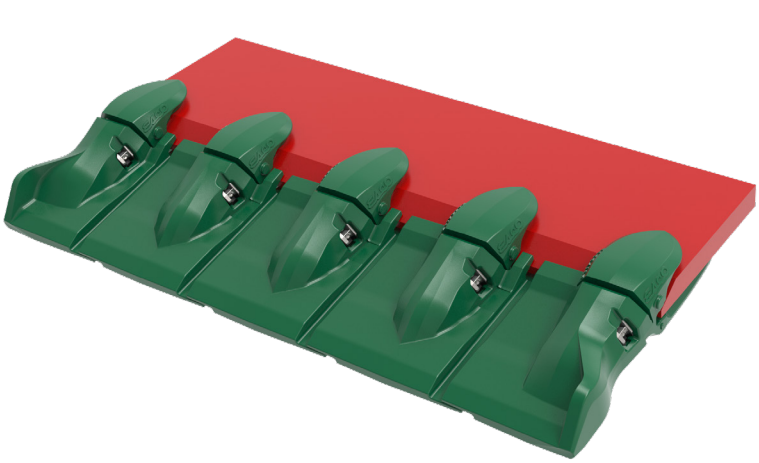
Ground Engaging Tools (GET) for Construction Applications

Specifications and Selector Guide

ESCO





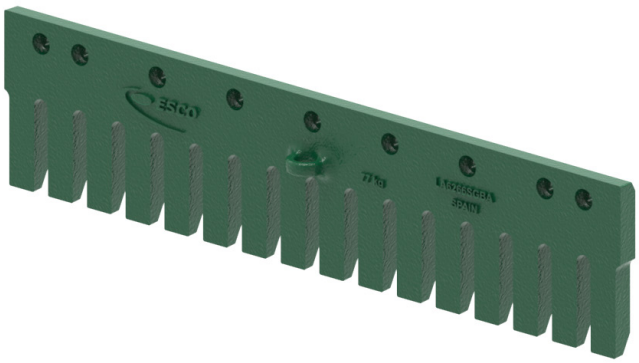








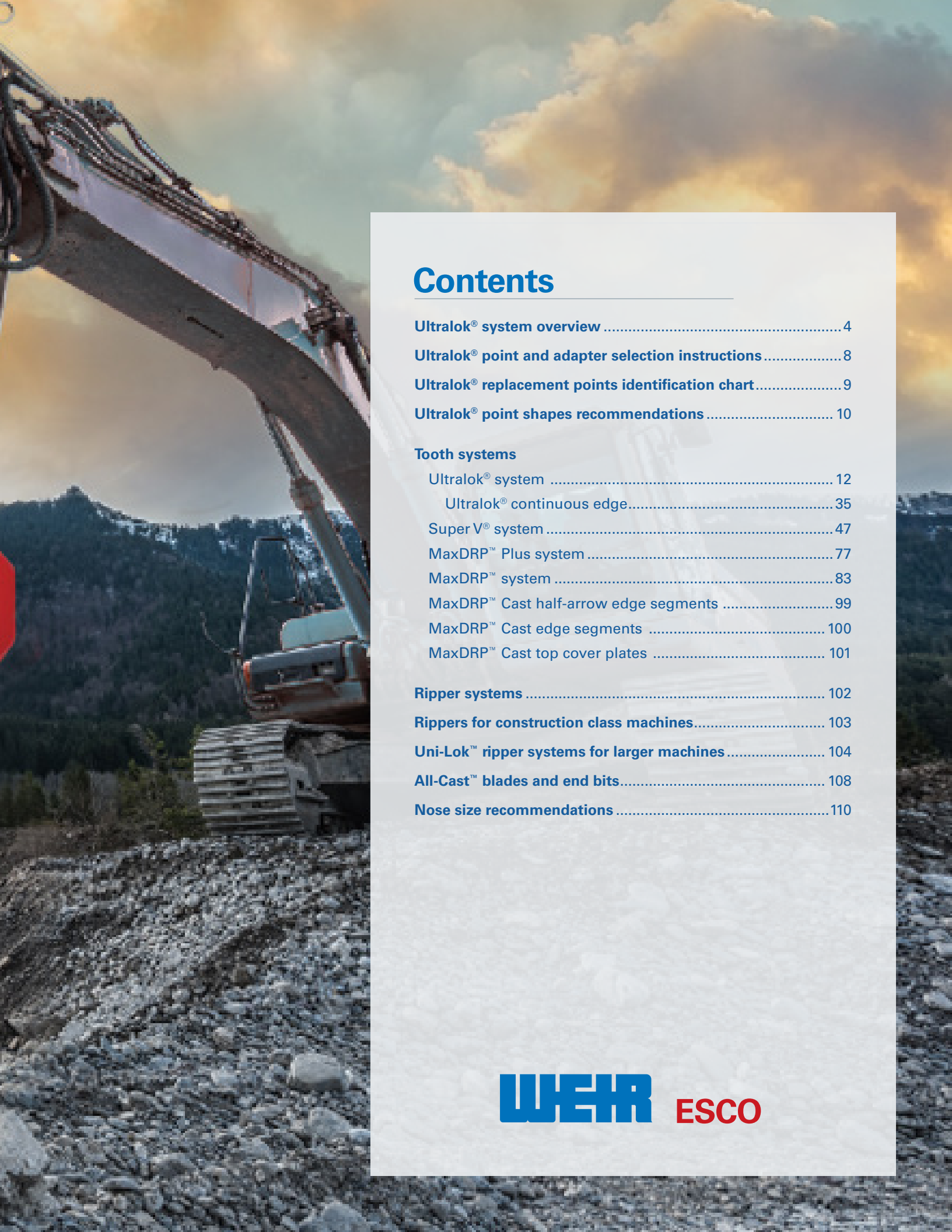




The proven leader in ground engaging tools for construction

Today's construction, mining and aggregate operations are under increasing pressure to improve production levels while controlling costs and maintaining the safest working environment possible. As with any operation, the key to achieving these goals is an optimized equipment system. This is where ESCO's quality products and application professionals can deliver results that are unmatched in the industries we serve. In addition to offering a complete line of value-added wear components, ESCO's dedicated staff of engineers and sales professionals can help ensure your equipment operates with maximum productivity and profitability.





Contents

Ultralok® system overview 4

Ultralok® point and adapter selection instructions 8

Ultralok® replacement points identification chart 9

Ultralok® point shapes recommendations 10

Tooth systems

Ultralok® system 12

Ultralok® continuous edge 35

Super V® system 47

MaxDRP™ Plus system 77

MaxDRP™ system 83

MaxDRP™ Cast half-arrow edge segments 99

MaxDRP™ Cast edge segments 100

MaxDRP™ Cast top cover plates 101

Ripper systems 102

Rippers for construction class machines 103

Uni-Lok™ ripper systems for larger machines 104

All-Cast™ blades and end bits 108

Nose size recommendations 110

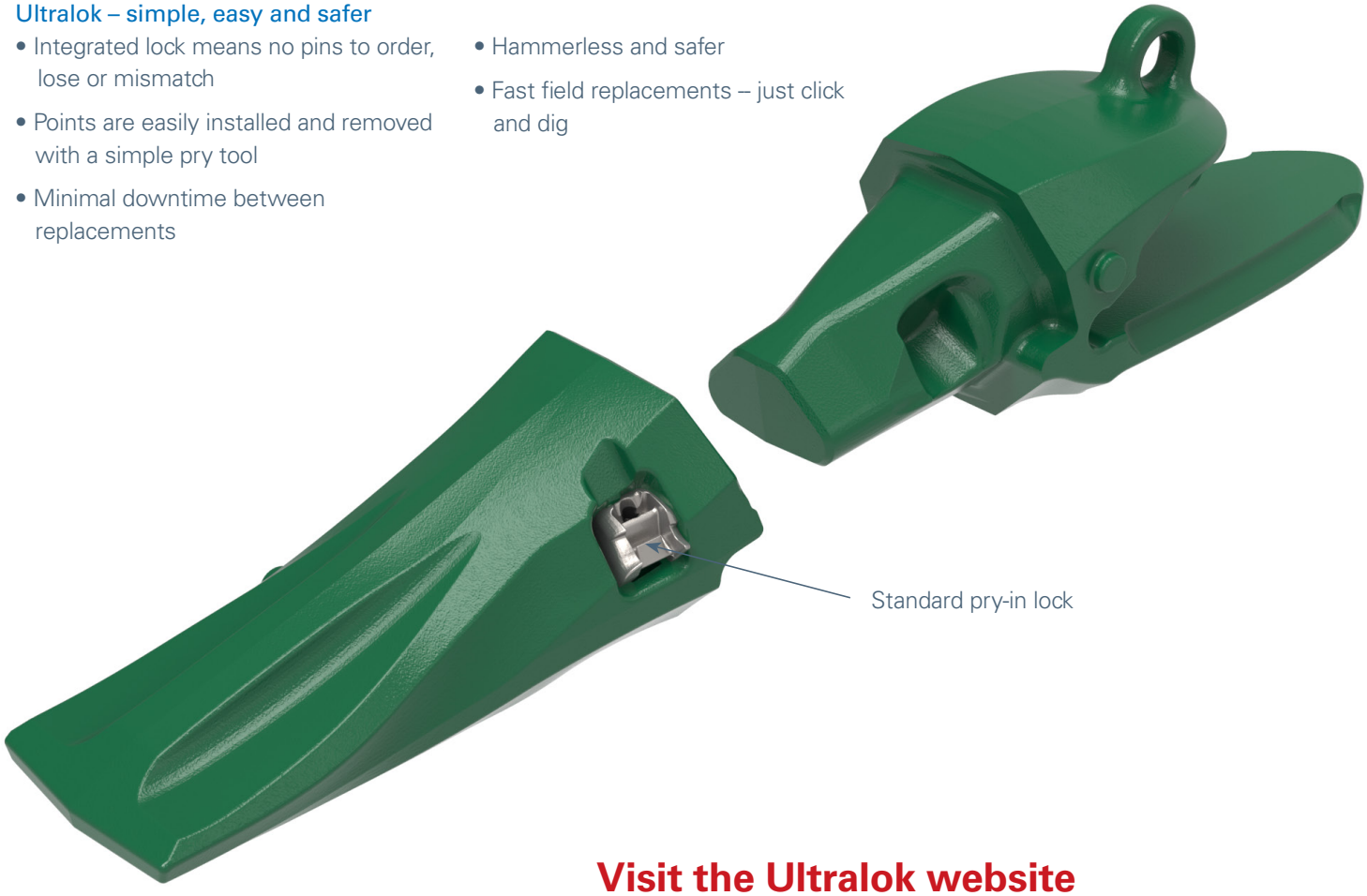
WEAR ESCO

Ultralok® tooth system – engineered to outlast

ESCO is the leader in high-performance tooth systems for the earthmoving industry. The cost-efficient, low profile Ultralok tooth system performs in a full range of machine applications. The integrated lock makes it a true two-piece system, reducing inventory over traditional three-piece systems.

Ultralok – simple, easy and safer

- Integrated lock means no pins to order, lose or mismatch
- Points are easily installed and removed with a simple pry tool
- Minimal downtime between replacements
- Hammerless and safer
- Fast field replacements – just click and dig



Visit the Ultralok website

https://esco-ultralok.weir/

Excellent customer value

Using the Ultralok system results in increased productivity with less maintenance

- A better operating cost position and increased profits
- Greater success in obtaining job bids while maintaining profitability
- Reliability provides more machine uptime to complete jobs on time







A pry tool is used to lock and unlock the point to the adapter.



“The impact on our productivity has been very good…the teeth are lasting longer and we have less throwaway.”

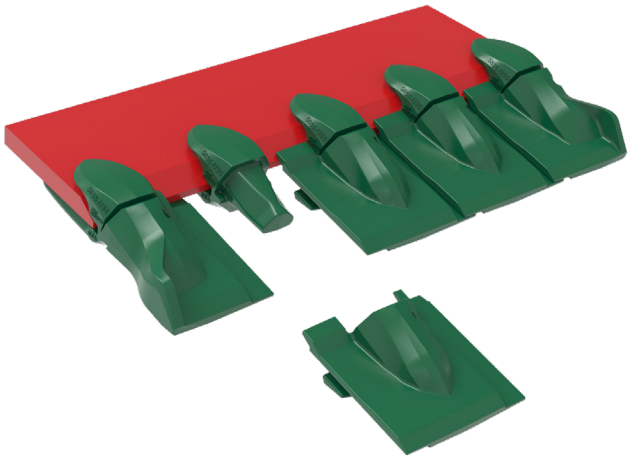
– Jason Pendergast
Plant Manager, Lafarge

Ultralok® continuous edge tooth system

Contractors are in a unique position with the wide range of applications and digging conditions they encounter. The Ultralok continuous edge system allows customers to quickly adapt buckets to match upcoming job requirements for improved efficiency and lower operating costs.

An option to welding on plate

- Unique design allows individual worn parts to be easily replaced
- Increases bucket capacity, productivity and versatility
- No welding required improves worker safety
- Corner point wings channel material into the bucket and reduce bucket corner wear

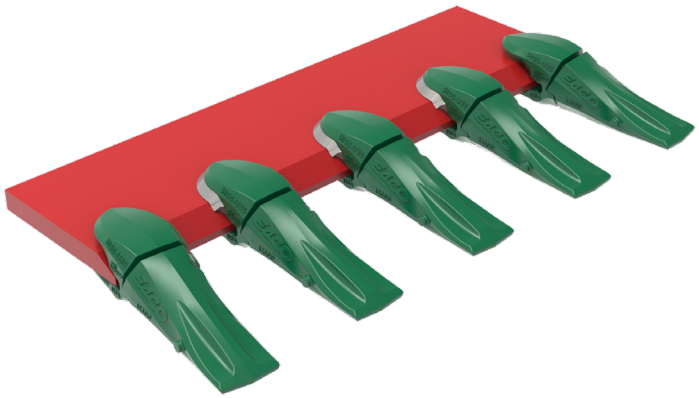


Ultralok will-fit excavator lip assemblies

ESCO® will-fit excavator lip assemblies feature the superior Ultralok tooth system. The lips provide an easy option to upgrade existing buckets to ESCO's Ultralok tooth system when replacing worn lips. The assemblies are designed to simplify lip replacement.

High quality, easy upgrade for your bucket

- Easily trimmed to fit all popular bucket widths
- Spot-welded corner adapters are easily repositioned
- Tough A514 steel plate lip is standard
- Available for 33.9 to 113.3 m^3(12 to 40T) class machines

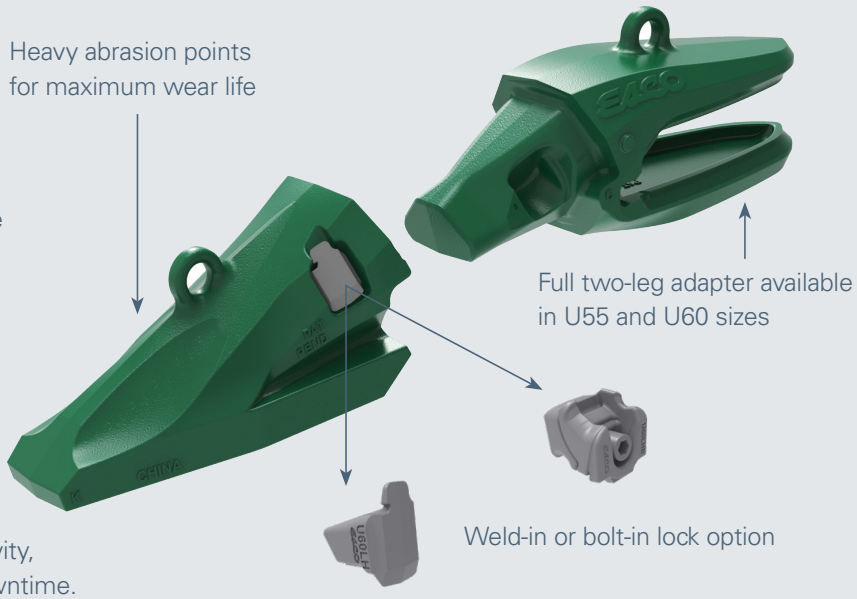


Ultralok tooth system for hot slag applications

Full offering available for 5.4 to 9.2 m^3 (7 to 12 yd^3) class wheel loaders

Handling hot slag is one of the most severe applications for tooth systems. ESCO's Ultralok tooth system has the specialized point profiles and lock options to provide excellent performance in hot slag. Ultralok hot slag points average 15% more useable wear metal than equivalent weight competitive systems.

The bolt-in lock offers simplified use and reliability; or select the weld-in option for maximum retention. The reliability of ESCO tooth systems and superior mechanical properties of our alloys make the Ultralok system the best choice. The result is increased productivity, reduced maintenance and less chance of unplanned downtime.

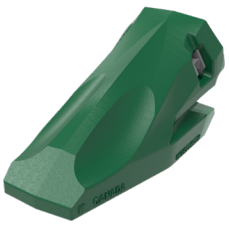


Ultralok® tooth system applications

The Ultralok system includes a comprehensive package of points and adapters for 6 metric ton to 75 metric ton excavators and 1.4m^3 to 9.2m^3 (1.8yd^3 to 12yd^3) class wheel loaders. The system is also available for extreme hot slag applications from 5.4m^3 to 9.2 m^3 (7yd^3 to 12 yd^3) class wheel loaders with ultra-secure bolt-in or weld-in locks.

Point profiles are optimized to remain sharp throughout their life while delivering maximum system strength.

Tooth profiles to match any application



A – Abrasion



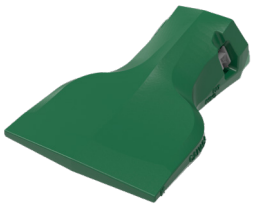
AP – Abrasion/ Penetration



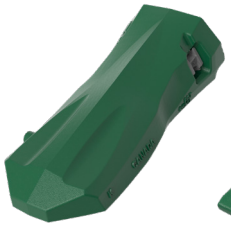
APV – Abrasion/ Penetration



C – Chisel



F – Flare



H – Heavy



K – Clamshell



P – Pick



R – Rock



S – Standard



T – Twin Pick

Wide range of Ultralok adapters

Weld-on

ESCO® offers Ultralok weld-on adapters to fit all popular construction class excavators, wheel loaders and face shovels. There is an adapter style to provide optimum machine performance in any application.

Bolt-on

Ultralok bolt-on adapters are also available for most models of wheel loaders. ESCO's bolt-on designs are enhanced for greater strength and performance over OEM versions.











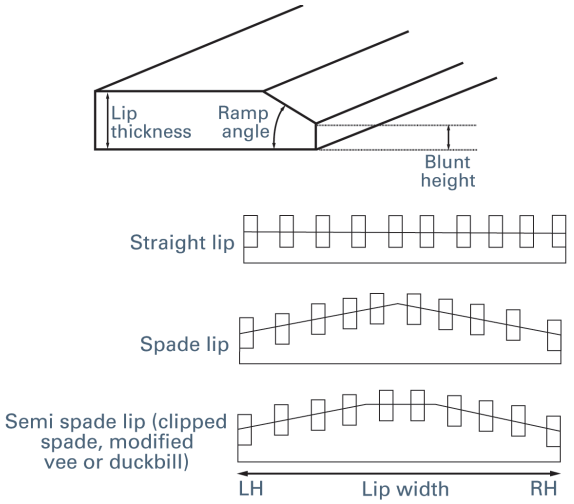
Ultralok® point and adapter selection instructions

Proper selection of the points and adapters to match the machine and application is very important formaximum performance. Follow the instructions below to help you select Ultralok adapters and points. If you have any questions, please contact your ESCO representative.

Adapter selection

Adapters cannot be easily changed so careful evaluation of the machine and application are important.

The information needed is lip thickness, ramp angle, straight, spade or semi spade lip (refer to illustrations below), machine make and model, and application. Do not make assumptions on the lip dimensions based on the machine. Many times the lip may be a custom size or has been replaced with a size different from the factory original. For bolt-on adapters the hole spacing is critical and needs to be accurately measured on the lip.



First, find the machine make and model listed in the Nose Sizes Recommendation Chart. Then select the nose size for the machine and application STD, HD or XHD. To assist in the application type there are definitions on the next page.

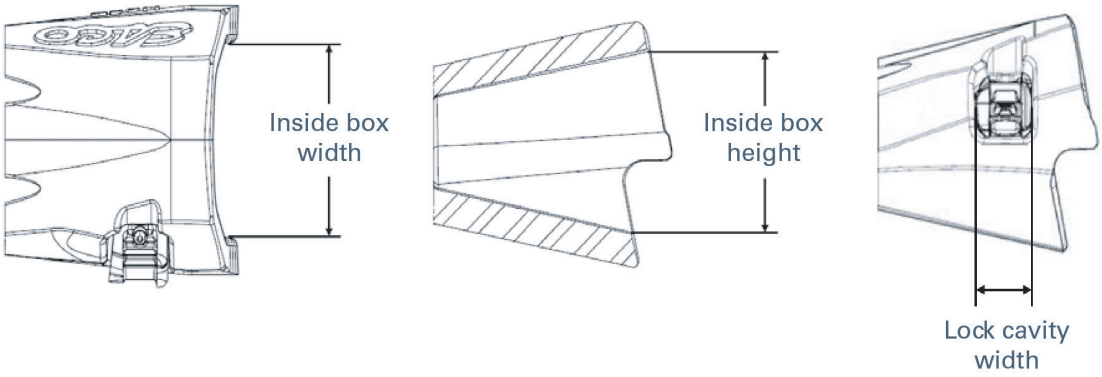
Once the nose size is determined, go to the appropriate section and find the page listing parts in that nose size. Using the lip dimensional information, determine which adapter(s) will fit. Then select the style that closely matches the application needs. Note that adapters are listed by category (Excavator, Loader, Misc.).

To help with selection, general purpose (STD) wheel loader applications typically use flush mount (Type 1) adapters. Heavy-Duty (HD) and Extreme-Duty (XHD) applications for wheel loaders typically use 1-1/2 top leg (Type 4 or 5). Two leg (Type 10) are used only in hot slag or extreme abrasion. For many of the loader adapters there are left and right versions for spade or duckbill lips. These are designated with an "L" or "R" after the adapter shank prefix (i.e. 1810L-U45 and 1810R-U45). Excavators typically use 1½ bottom leg (Type 8) adapters for all applications. For general purpose applications in the smaller nose sizes there are 1¼ bottom leg (Type 7) adapters available. In the "Machine Type" column for each adapter pattern numbe is the specific make and model or machine type the given adapter pattern number is typically used on.

The last thing to determine is the number of adapters needed for a given lip width. If you are not sure of the number of positions the bucket should have, a good rule of thumb is to have spacing of 1½ adapter widths between adapters for excavator applications, and 2½ adapter widths for loader applications. Remember, the reason for points and adapters is to help the machine dig (penetration), but too many positions can reduce penetration. Wear protection is secondary. The more adapters the less lip wear. If the calculation for the number of adapters does not come out even, take these into consideration for choosing to go with one more or one less adapter.

Ultralok® replacement points identification chart

When a point or adapter are worn, the exterior markings can be worn away as well. Ultralok points typically include the system size cast inside the point box to ensure the correct replacement size is selected. If the system size is missing or illegible, the following illustrations and chart provide details on measuring inside the point box or lock cavity to identify the correct replacement size needed.



Ultralok Replacement Points Identification Chart

Nose Size	Inside Box Width		Inside Box Height		Lock Cavity Width	
	mm	in	mm	in	mm	in
U20	56	2.22	53	2.07	21	0.82
U25	67	2.65	63	2.48	21	0.82
U30	76	2.99	72	2.83	26	1.01
U35	86	3.37	81	3.18	29	1.14
U40	96	3.80	91	3.56	32	1.28
U45	107	4.23	101	3.98	36	1.41
U55	122	4.79	117	4.61	40	1.59
U60	140	5.51	130	5.12	49	1.94

Point selection

When selecting a tooth shape there are several key areas to look at. Also, what tooth style was previously used and did it perform satisfactorily. Even if it was not an ESCO® design, it can give an indication of a style to match or a style to avoid.

Consider the loading, penetration, abrasion, and impact needs. These can be based on application, machine make and model, and the material to be handled. Then go to the page listing the size of points to match the nose size selected. The Ultralok® locking device is an integral part of each Ultralok point. Each point has a description of its performance characteristics (penetration, abrasion, rock, chisel, etc.). Following is a functional description of the Ultralok point shapes.

Ultralok point shapes recommendations

S - Standard point, general purpose shape for use on both excavators and wheel loaders. Designed to wear sharp to maintain penetration, and features a center rib for greater strength. An excellent choice for general purpose applications.

C - Chisel point, primarily for use on excavators. The design provides good penetration and extra wear metal in tough applications. The heavy-duty rib and unique tear-drop relief in the bottom keep the point sharp throughout its wear life.

H - Heavy point, for extremely abrasive applications and is primarily designed excavators. Additional wear metal provides for long point life. The heavy-duty rib and unique tear-drop relief in the bottom help to maintain sharpness as the point wears.

P - Pick point, is for extremely hard to penetrate materials, and is primarily designed for excavators but can be used on wheel loaders when conditions warrant it. Ribs on both the top and bottom provide strength and allow the point to stay sharp throughout its wear life.

T - Twin pick point, is for maximum performance in hard to penetrate materials. The unique configuration minimizes the chance of rocks becoming wedged between the tines. The twin pick shape is designed to be used in corner positions in conjunction with the P style point to cut clearance for the buckets' sides. Each corner can be switched with the opposite corner to maximize wear life.

F - Flared point, is for general purpose digging, clean-up and applications where a continuous edge may be used. The wide blade maximizes bucket capacity and is an excellent choice for trench bottoms and foundations excavations.

AP - Abrasion-Penetration point, is a heavy-duty penetration point for wheel loaders with added wear metal for highly abrasive applications. The beveled tip design ensures sharpness, and the top center rib helps maintain the sharpness as the point wears. A wear shoe is integrated into the bottom to provide long life.

A - Heavy-Abrasion point, is design for optimum wear on wheel loaders working in extreme abrasion applications. The point tip is beveled and the top contoured panel ensures excellent material flow into the bucket. A bottom wear shoe runs the whole length of the point for maximum wear life and ensures a smooth floor to minimize the chance of tire damage.

R - Rock point (available in U20 and U60 only), for optimum system strength in severe applications. Excellent heavy duty alternative to the popular S design.

APV - Abrasion-Penetration point (available in U45 only), designed for bucket wheel continuous mining and loaders - relative to the AP profile will provide improved sharpness throughout its life.

K - Clamshell point (available in U35, U40 and U45 only), for extremely light duty cable-actuated clamshell applications where maximum length and sharpness is needed.

Point and adapter numbering system

The last two numbers in each adapter pattern number signify the nose size. The same number is used in the equivalent size of point. The letters which follow the size number indicate the specific point shape.

Component	Ultralok® Pattern No.
Adapter	1810-U45
Point	U45AP

It is not important to memorize adapter pattern numbers, but it is helpful to know the third number to the left of the nose size indicates the type of adapter. Following are some examples.

- Weld-on adapters have an "8" three digits to the left of the nose size. For example: 833-U20, 1837A-U40, 1852-USS.
- Bolt-on adapters have a "7" three digits to the left of the nose size. For example: 8705-U25, 3766A-U30, 5722-U35.

Application definition

The following application definitions are to be used in conjunction with the Nose Size Recommendations Guide in the rear section of this catalog to help select the best size for the application. If there are any questions on size selection, contact your ESCO representative for more information.

- **STD** (Standard Duty or General Purpose) - Light, loose, well-shot material such as dirt, clay, sand, gravel (not cemented), shot or friable coal or shale. Puts very little load on the equipment and uses minimum machine power.
- **HD** (Heavy Duty) - Medium to heavy, shot material (not tight or large slabs), such as rocky overburden or ore, unshot lens or partings of cemented material of rock which will easily break up into manageable sizes when excavated. Requires a moderate amount of machine power but at times can apply high loads on the equipment.
- **XHD** (Extra Heavy or Extreme Duty, Rock Application)- Heavy ore or unshot rock, tight or slabby shot rock that requires maximumor near maximum machine power to break out. Such applications usually cause the machine to rock during the digging cycle, and many times is accompanied by smoke where the tooth engages the material. Puts maximum loads on the equipment during most of the operation.

Ultralok® tooth system - U20



U20AP



U20F



U20P



U20C



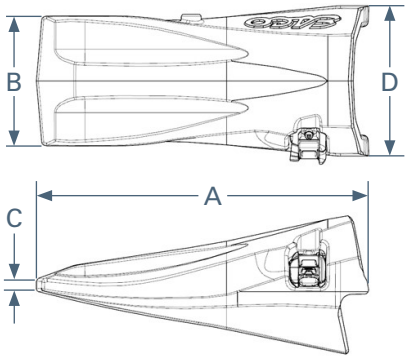
U20S



U20R



U20T



U20 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U20AP	Abrasion Penetration	200	7.86	35	1.37	5	0.22	78	3.07	2.7	5.9
U20F	Flare	176	6.92	114	4.50	11	0.43	78	3.07	2.4	5.3
U20P	Pick	202	7.94	10	0.40	7	0.27	78	3.07	1.7	3.9
U20C, U20CHB**	Chisel	191	7.52	24	0.96	12	0.46	78	3.07	2.0	4.4
U20S, U20SHB**	Standard	176	6.93	69	2.71	7	0.29	78	3.07	2.0	4.4
U20R	Light / Rock	160	6.30	52	2.03	4	0.17	78	3.07	1.5	3.3
U20T	Twin Pick	202	7.93	93	3.67	7	0.26	78	3.07	2.1	4.6

*** Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U20



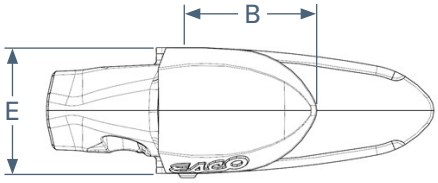
1-1/2 Bottom leg



Bottom leg



1-1/2 Top leg





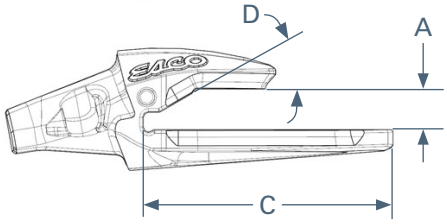
Flushmount



Flushmount (Type 51)



Flushmount (Type 52)

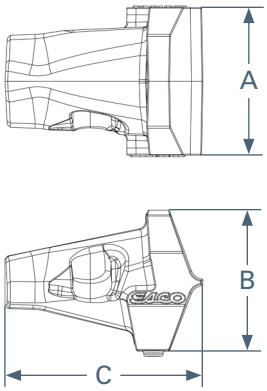


U20 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5854-U20	8	1-1/2 Bottom Leg	25	1.00	79	3.12	165	6.50	30	75	2.95	10	3.7	8.2	EXC
833-U20	7	Bottom Leg	25	1.00	42	1.67	130	5.12	30	75	2.95	10	3.0	6.8	EXC
Wheel Loader															
3877-U20	4	1-1/2 Top Leg	30	1.20	153	6.01	76	2.98	30	75	2.95	15	3.9	8.6	FEL
8802-U20	1	Flushmount	20-25	0.75-1.00	175	6.89	N/A		25	75	2.95	15	5.1	11.1	Volvo L70
Miscellaneous															
3895-U20	51	Flushmount	N/A		111	4.40	113	4.44	N/A	75	2.97	30 or 10	3.9	8.7	Reversible Auger or Clamshell
3898-U20	52	Flushmount	N/A		123	4.85	N/A		N/A	75	2.97	9	3.9	8.7	Clamshell



WN-U20



U20 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U20	Weld-on Nose	75	2.95	72	2.84	18	0.69	1.6	3.5

Ultralok® tooth system - U20



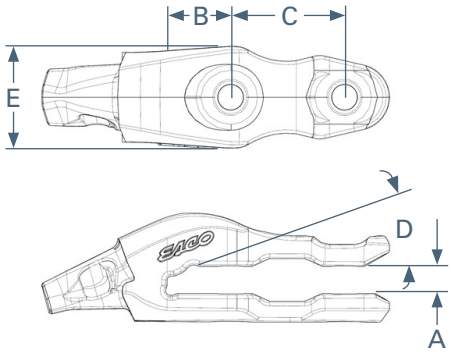
2 Leg 2 bolt



1-1/2 Leg 2 bolt



2 Leg corner 2 bolt



U20 Bolt-on Adapters

PMID	Type	Descrption	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine/ Model
			mm	in	mm	in	mm	in		mm	in		kg	lb		
5739-U20	16	2 Leg 2 Bolt	22	0.88	53	3.07	95	3.74	25	83	3.29	15	6.2	14	(1) 3/4 X 3 PB^, (1) 3/4 X 3-1/2 PB^	KAW 60Z, 65Z
5795-U20	23	2 Leg Corner 2 Bolt	22	0.88	100	3.94	100	3.94	25	89	3.49	15	9.5	21	(2) 3/4 X 3 PB^	KAW 60Z, 65Z
8716-U20	16	1-1/2 Leg 2 Bolt	32	1.25	64	2.51	89	3.50	27.4	85	3.24	15	7.2	16	(1) 3/4 X 3-1/4 PB^, (1) 3/4 X 3-1/2 PB^	Case 721
8707L-U20, 8707R-U20	23	1-1/2 Leg Corner 2 Bolt	32	1.25	64	2.51	89	3.50	27.4	104	4.10	15	7.1	16	(1) 3/4 X 3-1/4 PB^, (1) 3/4 X 2-3/4 PB^	Case 721

^ Use with 3/4" x 45 degree tapered nut (item 4240674)

Ultralok® tooth system - U25



U25A



U25AP



U25C



U25F



U25H



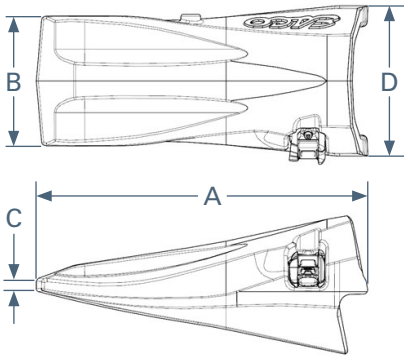
U25P



U25S



U25T



U25 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm / in	in	kg / lb	kg / lb
U25A	Abrasion	219	8.60	55	2.15	13	0.50	93	3.67	5.4	12.1
U25AP	Abrasion Penetration	242	9.51	52	2.04	16	0.62	93	3.67	4.7	10.4
U25C, U25CHB**	Chisel	229	9.00	31	1.20	10	0.38	93	3.67	3.5	7.7
U25F	Flare	210	8.25	127	4.99	12	0.47	93	3.67	4.1	8.9
U25H	Heavy	227	8.25	32	1.25	14	0.47	93	3.67	3.9	8.6
U25P	Pick	224	8.80	12	0.46	6	0.25	93	3.67	2.7	7.0
U25S, U25SHB**	Standard	211	8.29	82	3.22	8	0.33	93	3.67	3.2	7.1
U25T	Twin Pick	224	8.80	112	4.43	8	0.31	93	3.67	3.2	7.2

*** Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U25



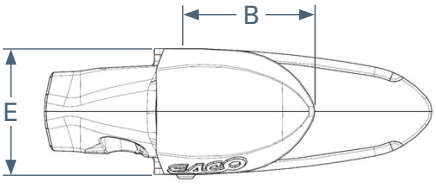
1-1/2 Bottom leg



Bottom leg



1-1/2 Top leg





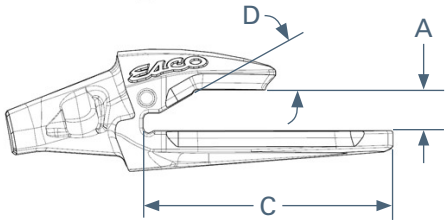
Flushmount



Flushmount (Type 51)

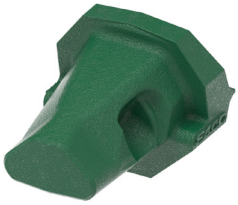


Flushmount (Type 52)

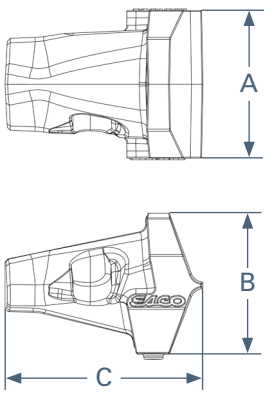


U25 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5854-U25	8	1-1/2 Bottom Leg	25	1.00	95	3.74	190	7.48	30	90	3.54	10	6.3	14	EXC
5849-U25	8	1-1/2 Bottom Leg	30	1.25	95	3.74	190	7.48	30	90	3.54	10	6.1	13	EXC
3870-U25	7	Bottom Leg	30	1.25	53	2.08	113	4.45	30	90	3.54	10	4.8	11	EXC
Wheel Loader															
3808-U25	4	1-1/2 Top Leg	35	1.38	178	7.01	89	3.50	30	90	3.54	15	6.0	13	FEL
8803-U25	1	Flushmount	30-35	1.25-1.50	199	7.83	N/A		25	90	3.54	15	7.6	17	FEL
Miscellaneous															
3895-U25	51	Flushmount	N/A		136	5.37	144	5.65	N/A	90	3.54	30 or 10	7.2	16	Reversible Auger or Clamshell
3898-U25	52	Flushmount	N/A		187	7.35	N/A		N/A	90	3.54	9	6.6	15	Clamshell



WN-U25



U25 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U25	Weld-on Nose	90	3.54	86	3.39	21	0.83	2.7	6.0

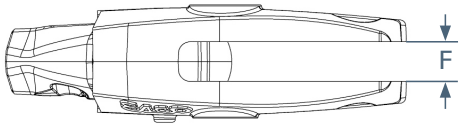
Ultralok® tooth system - U25



2 Leg 2 bolt



2 Leg corner 2 bolt

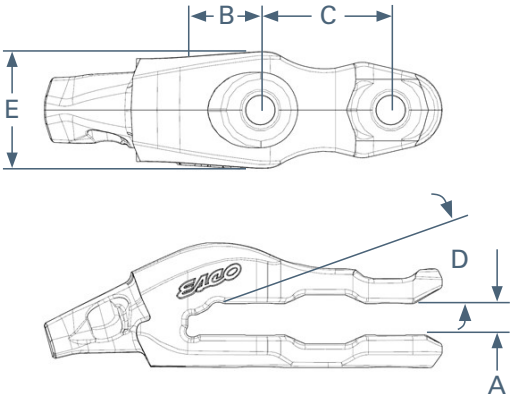




2 Bolt corner guard



2 Leg corner 1 bolt



U25 Bolt-on Adapters

PMID	Type	Descrption	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Side Plate Thickness F		Nose Angle	Weight		Bolts (qty) Size (in)	Machine / Model
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb		
7716-U25	16	2 Leg 2 Bolt	25	1.00	68	2.68	124	4.88	22.5	95	3.72	--	--	15	10	23	(2) 1 X 4 PB^^	CAT 916, 924, 928, 930, 936, 938
7715L-U25, 7715R-U25	20	2 Bolt Corner Guard	25	1.00	105	4.14	82	3.23	22.5	92	3.63	--	--	15	9	20	(2) 1-1/4 X 3-1/4 PB^^	CAT 916, 924, 928, 930, 936, 938
5740-U25	16	2 Leg 2 Bolt	25	1.00	72	2.84	125	4.92	25	90	3.54	--	--	15	7	16	(2) 7/8 X 2-3/4 PB*	KAW 70, 80
5788-U25	23	2 Leg Corner 2 Bolt	25	1.00	105	4.13	100	3.94	25	98	3.86	--	--	15	9	21	(2) 7/8 X 3-3/4 PB*	KAW 70, 80
8705-U25	16	2 Leg 2 Bolt	32	1.25	78	3.08	114	4.50	22.5	90	3.54	--	--	15	9	21	(2) 1 X 4 PB^^	Case 721, 821
8704-U25	23	2 Leg Corner 2 Bolt	32	1.25	80	3.14	114	4.50	22.5	98	3.86	32	1.25	15	9	21	(2) 1 X 4 PB**	Case 821
8720-U25	23	2 Leg Corner 2 Bolt	32	1.25	115	4.51	114	4.50	22.5	98	3.86	32	1.25	15	11	24	(2) 1 X 4 PB**	Case 721
8781-U25	16	2 Leg 2 Bolt	25	1.00	63.5	2.50	88.9	3.50	30	90	3.55	--	--	15	9	19	(1) 3/4 X 3-1/4 PB^ (1) 3/4 X 3-1/2 PB^	Deere 444, 524, 544, 624
8782-U25	19	2 Leg Corner 1 Bolt	25	1.00	210	8.25	N/A		30	90	3.54	25	1.00	15	13	28	(1) 1 X 3-1/4 PB^^	Deere 444, 524, 544, 624

^ Use with 3/4" x 45 degree tapered nut (item 4240674)
^^ Use with 1" x 45 degree tapered nut (item 4429438)
** Use with 7/8" standard hex nut*
*** Use with 1" standard hex nut*

Ultralok® tooth system - U30



U30A



U30AP



U30C



U30F



U30H



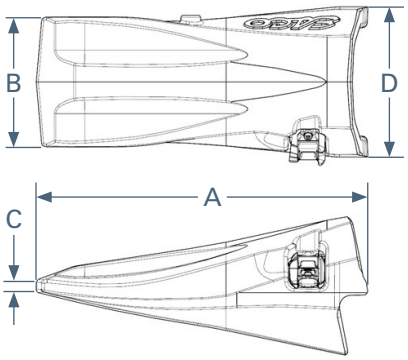
U30P



U30S



U30T



U30 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U30A, U30AHB**	Abrasion	251	9.88	60	2.36	11	0.43	105	4.15	8.4	18.5
U30AP, U30APHB**	Abrasion Penetration	275	10.85	42	1.67	7	0.28	105	4.15	7.1	15.6
U30C, U30CHB**	Chisel	259	10.20	36	1.41	9	0.34	105	4.15	4.6	10.3
U30F, U30FHB**	Flare	259	10.20	152	5.98	14	0.53	105	4.15	6.2	13.7
U30H	Heavy	257	10.12	36	1.42	16	0.61	105	4.15	5.8	12.8
U30P	Pick	274	10.77	14	0.56	9	0.36	105	4.15	4.1	9.1
U30S, U30SHB**	Standard	240	9.45	91	3.59	10	0.39	105	4.15	4.6	10.3
U30T	Twin Pick	274	10.78	125	4.91	7	0.28	105	4.15	4.8	10.7

*** Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U30



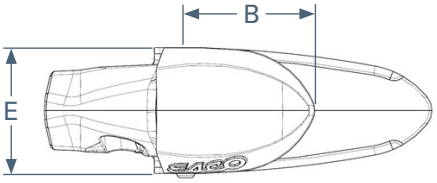
1-1/2 Bottom leg



Bottom leg



Flushmount

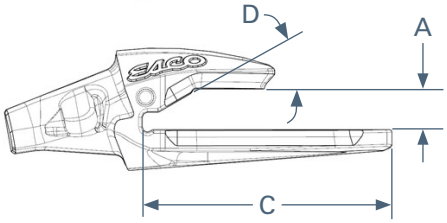




1-1/2 Top leg

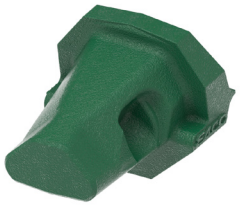


Flushmount (Type 52)

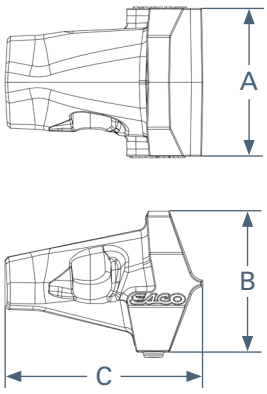


U30 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5849-U30	8	1-1/2 Bottom Leg	30	1.25	118	4.66	214	8.43	30	102	4.01	10	9.0	20	EXC
3881B-U30	8	1-1/2 Bottom Leg	35	1.38	116	4.56	212	8.34	30	102	4.01	10	8.8	19	EXC
5850-U30	8	1-1/2 Bottom Leg	40	1.50	116	4.56	212	8.34	30	102	4.01	10	8.3	16	EXC
3871A-U30	7	Bottom Leg	35	1.38	54	2.14	190	7.48	30	102	4.01	10	6.7	15	EXC
Wheel Loader															
802A-U30	4	1-1/2 Top Leg	40	1.50	197	7.76	97	3.82	30	102	4.01	15	9.3	21	FEL
8833-U30	4	1-1/2 Top Leg	40	1.50	197	7.77	97	3.83	22.5-25	102	4.01	15	8.8	20	FEL
8831-U30	1	Flushmount	40-45	1.70-1.75	241	9.49	N/A		22.5-25	102	4.01	15	8.9	20	FEL
Miscellaneous															
3898-U30	52	Flushmount	N/A		211	8.32	N/A		N/A	102	4.01	9	9.7	22	Clamshell



WN-U30



U30 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U30	Weld-on Nose	102	4.01	97	3.83	24	0.94	3.9	8.6

Ultralok® tooth system - U30



2 Leg 2 bolt



2 Leg corner 2 bolt



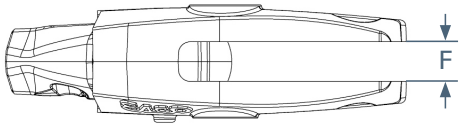
2 Bolt corner guard

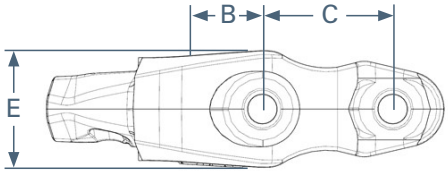


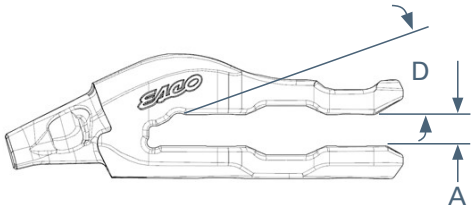
2 Leg corner 1 bolt



3 Leg corner 2 bolt







U30 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Side Plate Thickness F		Nose Angle	Weight		Bolts (qty) Size (in)	Machine / Model
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb		
5738-U30	16	2 Leg 2 Bolt	32	1.25	91	3.59	125	4.92	25	102	4.01	--	--	15	11	24	(2) 7/8 X 4 PB*	KAW 80Z, KAW 85Z
5789-U30	23	2 Leg Corner 2 Bolt	32	1.25	110	4.33	110	4.33	25	102	4.01	32	1.25	15	12	27	(2) 7/8 X 4 PB*	KAW 80Z, KAW 85Z
7705L-U30, 7705R-U30	20	2 Bolt Corner Guard	32	1.25	105	4.14	90	3.55	22.5	105	4.15	--	--	15	26	58	(2) 1-1/4 X 3-1/4 PB**	CAT 950, 955, 963
7706-U30	16	2 Leg 2 Bolt	32	1.25	81	3.19	166	6.53	22.5	107	4.20	--	--	15	16	35	(2) 1 X 4 PB^	CAT 950, 955, 963
8783-U30	16	2 Leg 2 Bolt	32	1.25	87	3.43	121	4.76	30	107	4.21	--	--	15	15	32	(2) 1 X 4 PB^	Deere 644, 724
8784-U30	19	2 Leg Corner 1 Bolt	32	1.25	206	8.11	N/A		30	102	4.01	25	1.00	15	16	35	(1) 1 X 3-1/4 PB^	Deere 644, 724
5734A-U30	16	2 Leg 2 Bolt	35	1.38	100	3.94	111	4.37	25	106	4.18	--	--	15	16	35	(2) 3/4 X 3-3/4 PB^^	Volvo L120
5774A-U30	19	2 Leg Corner 1 Bolt	35	1.38	168	6.61	N/A		25	102	4.01	28	1.09	15	14	31	(1) 1-1/4 X 3-1/4 PB+	Volvo L120
4798-U30	16	2 Leg 2 Bolt	28.7	1.13	75	2.95	120	4.72	23.5	107	4.20	--	--	15	4	9	(2) 1 X 4 PB^	KOM WA250-3, WA320-3
5763L-U30, 5763R-U30	22	3 Leg Corner 2 Bolt	28.7	1.13	75	2.95	20	0.79	23.5	136	5.36	--	--	15	11	23	(1) 1 X 3 PB^, (1) 1 X 4 PB^	KOM WA250-3, WA320-3

^ Use with 1" x 45 degree tapered nut (item 4429438)
*** Use with 1-1/4" standard hex nut*
** Use with 7/8" standard hex nut*
^^ Use with 3/4" x 45 degree tapered nut (item 4240674)
+ Use with 1-1/4" x 45 degree tapered nut (item 4429439)

Ultralok® tooth system - U35



U35A



U35AP



U35C



U35F



U35H



U35K



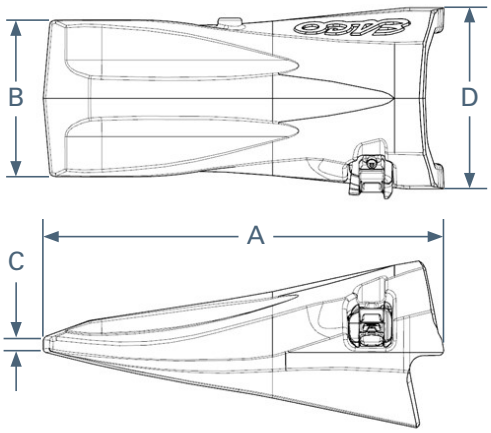
U35P



U35S



U35T



U35 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U35A, U35AHB**	Abrasion	279	10.98	15	0.59	11	0.43	119	4.67	12	27
U35AP, U35APHB**	Abrasion Penetration	309	12.20	8	0.31	7	0.28	119	4.67	10	22
U35C, U35CHB**	Chisel	291	11.46	9	0.37	9	0.34	119	4.67	7	15
U35F, U35FHB**	Flare	287	11.28	16	0.63	14	0.53	119	4.67	9	20
U35H	Heavy	289	11.40	18	0.70	16	0.61	119	4.67	8	18
U35K, U35KHB**	Clamshell	402	15.81	9	0.37	9	0.36	119	4.67	10	21
U35P	Pick	298	11.71	10	0.40	10	0.39	119	4.67	5	12
U35S, U35SHB**	Standard	265	10.41	11	0.43	7	0.28	119	4.67	7	15
U35T	Twin Pick	298	11.72	8	0.30	7	0.28	119	4.67	7	15

*** Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U35



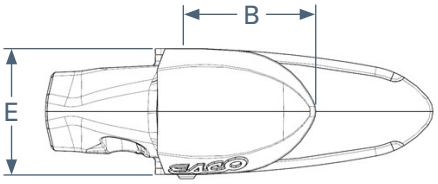
1-1/2 Bottom leg



Bottom leg



Flushmount





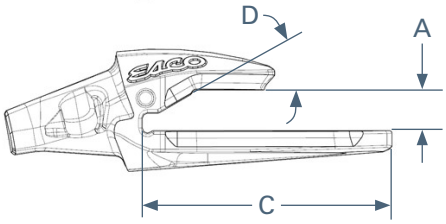
1-1/2 Bottom leg notched corner



1-1/2 Top leg



Flushmount (Type 52)

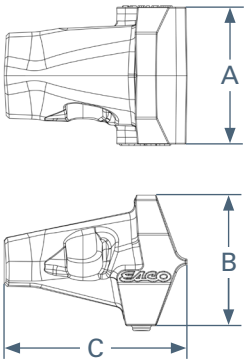


U35 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5855-U35	8	1-1/2 Bottom Leg	40	1.50	127	5.00	235	9.25	30	115	4.53	10	12	26	EXC
5855L-U35, 5855R-U35	-	1-1/2 Bottom Leg Notched Corner	40	1.50	127	5.00	235	9.25	30	115	4.53	10	12	26	EXC
3810B-U35	8	1-1/2 Bottom Leg	45	1.75	127	5.00	235	9.25	30	115	4.53	10	12	27	EXC
3872A-U35	7	Bottom Leg	40	1.50	65	2.55	216	8.50	30	115	4.53	10	10	22	EXC
Wheel Loader															
8833-U35	4	1-1/2 Top Leg	40	1.50	217	8.52	108	4.27	22.5-25	115	4.53	15	13	29	FEL
8883-U35	4	1-1/2 Top Leg	52	2.05	217	8.52	108	4.27	22.5-25	115	4.53	15	13	28	FEL
4824L-U35, 4824R-U35	5	1-1/2 Top Leg	45	1.75	203	7.99	120	4.74	22.5-25	115	4.53	15	12	27	FEL
8831-U35	1	Flushmount	40-45	1.50-1.75	252	9.94	N/A		22.5-25	115	4.53	15	12	27	FEL
Miscellaneous															
3898-U35	52	Flushmount	N/A		238	9.37	N/A		N/A	115	4.53	9	14	31	Clamshell



WN-U35



U35 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U35	Weld-on Nose	115	4.53	110	4.31	27	1.05	5.6	12.3

Ultralok® tooth system - U35



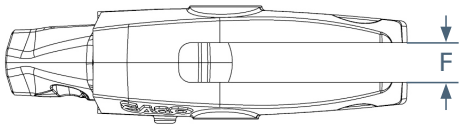
2 Leg 2 bolt

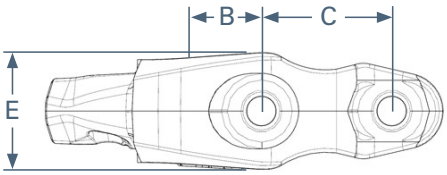


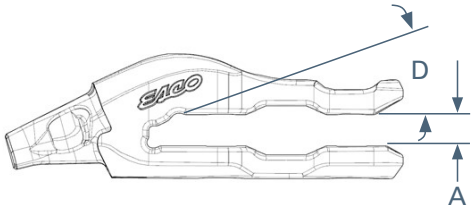
2 Leg corner 2 bolt



2 Bolt corner guard









2 Leg corner 1 bolt



3 Leg corner 2 bolt



3 Leg corner 3 bolt

U35 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Side Plate Thickness F		Nose Angle	Weight		Bolts (qty) Size (in)	Machine / Model
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb		
5722-U35	18	2 Leg 3 Bolt	38	1.50	98	3.87	125	4.92	25	115	4.53	--	--	15	16	34	(3) 1 X 4-1/2 PB*	KAW 90Z, KAW 95Z
5798-U35	23	2 Leg Corner 2 Bolt	38	1.50	124	4.89	120	4.72	25	115	4.53	38	1.50	15	18	39	(1) 1 X 4-3/4 PB*, (1) 1 X 4 PB*	KAW 90Z, KAW 95Z
7709L-U35, 7709R-U35	20	2 Bolt Corner Guard	40	1.57	129	5.08	105	4.13	22.5	118	4.66	--	--	15	36	79	(2) 1-1/4 X 4-1/4 PB**	CAT 960, 962, 963, 966, 970, 972, 973, 977
7710-U35	16	2 Leg 2 Bolt	40	1.57	100	3.94	150	5.91	22.5	130	5.12	--	--	15	20	45	(2) 1-1/4 X 4-1/2 PB^^	CAT 960, 962, 963, 966, 970, 972, 973, 977
5764-U35	18	2 Leg 3 Bolt	36	1.42	72	2.83	125	4.92	24.5	137	5.38	--	--	15	16	35	(3) 7/8 X 4 PB^	KOM WA380-3, WA420-3, WA450-3, WA470
5765L-U35, 5765R-U35	25	3 Leg Corner 3 Bolt	36	1.42	72	2.83	125	4.92	24.5	173	6.82	--	--	15	18	40	(2) 7/8 X 4 PB^, (1) 1 X 3 PB+	KOM WA380-3, WA420-3, WA450-3, WA470
8719-U35	16	2 Leg 2 Bolt	38	1.50	110	4.33	100	3.94	25	116	4.58	--	--	15	19	42	(2) 1 X 4-1/2 PB+	Volvo L150, L180
5773-U35	23	2 Leg Corner 2 Bolt	38	1.50	151	5.94	81	3.19	25	115	4.53	35	1.38	15	18	40	(2) 1 X 3-1/2 PB+	Volvo L150, L180
8785-U35	16	2 Leg 2 Bolt	38	1.50	103	4.06	130	5.11	30	114	4.50	--	--	15	20	43	(2) 1-1/4 X 4-1/2 PB^^	Deere 744, 824
8786-U35	19	2 Leg Corner 1 Bolt	38	1.50	294	11.6	N/A		30	107	4.25	32	1.25	15	26	57	(1) 1-1/4 X 4-1/2 PB^^	Deere 744, 824
8787-U35	19	2 Leg Corner 1 Bolt	38	1.50	294	11.6	N/A		30	115	4.53	45	1.75	15	24	53	(1) 1-1/4 X 4-1/2 PB^^	Deere 844

** Use with 1" standard hex nut*
^ Use with 7/8" x 45 degree tapered nut (item 4254344)
*** Use with 1-1/4" standard hex nut*
^^ Use with 4-15/16" x 45 degree tapered nut (item 4306309)
+ Use with 1" x 45 degree tapered nut (item 4429438)

Ultralok® tooth system - U40



U40A



U40AP



U40C



U40CP



U40F



U40H



U40K



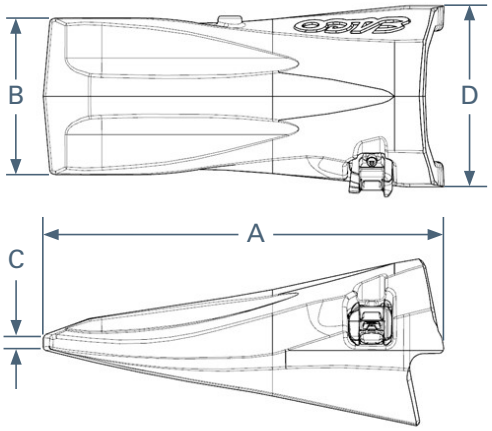
U40P



U40S



U40T



U40 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U40A, U40AH*, U40AHB**	Abrasion	314	12.35	78	3.08	15	0.58	134	5.26	16	36
U40AP, U40APH*, U40APHB**	Abrasion Penetration	344	13.53	60	2.36	12	0.48	134	5.26	14	30
U40C, U40CH*, U40CHB**	Chisel	328	12.91	45	1.78	9	0.36	134	5.26	10	21
U40CP, U40CPHB**	Chisel Pick	287	11.31	61	2.40	15	0.61	134	5.26	9	19.4
U40F, U40FHB**	Flare	316	12.45	203	7.99	19	0.75	134	5.26	12	28
U40H	Heavy	326	12.84	46	1.80	20	0.79	134	5.26	11	25
U40K	Clamshell	403	15.86	92	3.61	11	0.42	134	5.26	13	29
U40P, U40PHB**	Pick	335	13.20	18	0.70	11	0.45	134	5.26	8	17
U40S, U40SHB**	Standard	294	11.56	122	4.81	12	0.48	134	5.26	10	21
U40T, U40THB**	Twin Pick	334	13.16	161	6.34	10	0.41	134	5.26	10	21

** Ships with hot slag lock*
***Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U40



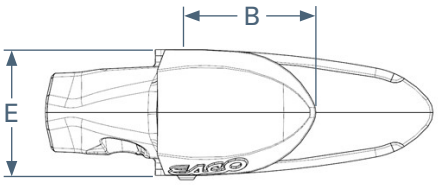
2 Leg corner 1 bolt



2 Leg corner 1 bolt



1-1/2 Bottom leg notched corner

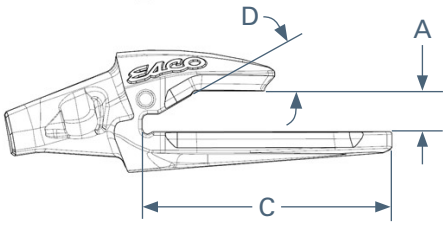




2 Leg corner 1 bolt



2 Leg corner 1 bolt

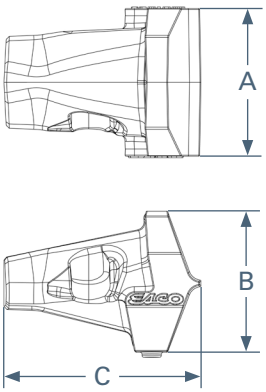


U40 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
3882B-U40	8	1-1/2 Bottom Leg	40	1.50	146	5.73	264	10.37	30	129	5.08	10	17	38	EXC
3810B-U40	8	1-1/2 Bottom Leg	45	1.75	145	5.71	264	10.39	30	129	5.08	10	17	38	EXC
5856-U40	8	1-1/2 Bottom Leg	50	2.00	145	5.71	264	10.39	30	129	5.08	10	17	38	EXC
5856L-U40, 5856R-U40	-	1-1/2 Bottom Leg Notched Corner	50	2.00	145	5.71	264	10.39	30	129	5.08	10	17	37	EXC
8801-U40	4	1-1/2 Top Leg	50	2.00	254	10.01	131		30	129	5.08	10	18	40	EXC
Wheel Loader															
1837A-U40	4	1-1/2 Top Leg	50	2.00	248	9.76	124	4.90	30	129	5.08	15	18	40	FEL
1812LA-U40, 1812RA-U40	5	1-1/2 Top Leg Spade	50	2.00	248	9.76	124	4.90	30	129	5.08	15	19	42	FEL
3892-U40	1	Flushmount	50	2.00	298	11.73	N/A		22.5-25	129	5.08	15	18	40	FEL
Miscellaneous															
3898-U40	52	Flushmount	N/A		268	10.55	N/A		N/A	129	5.08	9	17	38	Clamshell



WN-U40



U40 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U40	Weld-on Nose	129	5.08	123	4.86	30	1.19	8	18

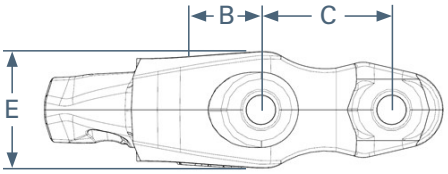
Ultralok® tooth system - U40

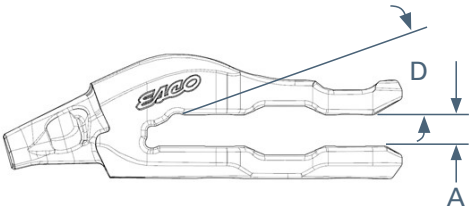


2 Leg 2 bolt



2 Bolt corner guard







2 Leg 3 bolt



3 Leg corner 3 bolt

U40 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine / Model
			mm	in	mm	in	mm	in		mm	in		kg	lb		
7712-U40	16	2 Leg 2 Bolt	45	1.75	105	4.13	156	6.14	22.5	136	5.35	15	26	56	(2) 1-1/4 X 4-3/4 PB^	CAT 980C/F/G/H
7713L-U40, 7713R-U40	20	2 Bolt Corner Guard	45	1.75	131	5.17	138	5.44	22.5	133	5.22	15	39	85	(2) 1-1/4 X 3-3/4 PB*	CAT 980C/F/G/H
5750-U40	18	2 Leg 3 Bolt	40	1.57	85	3.34	150	5.91	29	165	6.50	15	26	58	(3) 1 X 4-1/4 PB^^	KOM WA500
5766L-U40, 5766R-U40	25	3 Leg Corner 3 Bolt	40	1.57	85	3.34	150	5.91	29	172	6.77	15	29	63	(2) 1 X 4-3/4 PB^^, (1) 1-1/4 X 4 PB^	KOM WA500

^ Use with 1-1/4" x 45 degree tapered nut (item 4306309)
** Use with 1-1/4" standard hex nut*
^^ Use with 1" x 45 degree tapered nut (item 4429438)

Ultralok® tooth system - U45



U45A



U45AP



U45AF



U45APV



U45C



U45CXT



U45F



U45H



U45K



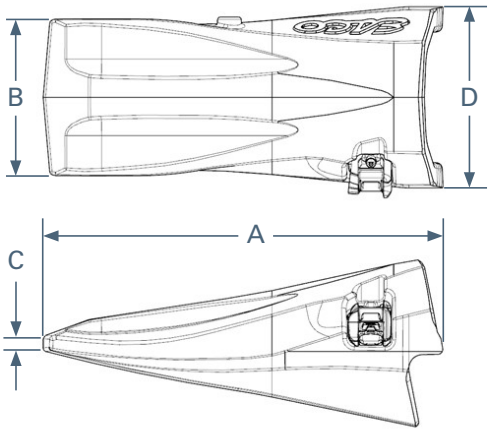
U45P



U45S



U45T



U45 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U45A, U45AH*, U45AHB**	Abrasion	351	13.81	87	3.42	19	0.76	149	5.87	22	48
U45AP, U45APHB**	Abrasion Penetration	390	15.36	58	2.26	10	0.39	149	5.87	20	43
U45AF	Abrasion Flare	355	13.96	229	9.00	20	0.79	149	5.87	23	52
U45APV	Abrasion Penetration V	389	15.32	36	1.42	20	0.49	149	5.87	15	34
U45C, U45CH*, U45CHB**	Chisel	354	13.96	56	2.24	10	0.39	149	5.87	13	29
U45CXT, U45CXTHB**	Chisel Top Abrasion	366	14.41	49	1.93	20	0.77	149	5.87	13	33
U45F	Flare	354	13.96	228	8.99	20	0.79	149	5.87	18	39
U45H, U45HHB**	Heavy	364	14.33	51	2.01	22	0.86	149	5.87	15	34
U45K	Clamshell	456	17.96	102	4.02	12	0.46	149	5.87	18	39
U45P, U45PHB**	Pick	369	14.53	19	0.73	12	0.46	149	5.87	11	23
U45S, U45SHB**	Standard	328	12.93	129	5.07	13	0.52	149	5.87	13	29
U45T, U45THB**	Twin Pick	370	14.55	153	6.03	11	0.42	149	5.87	13	29

** Ships with hot slag lock*
***Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U45



1-1/2 Bottom leg



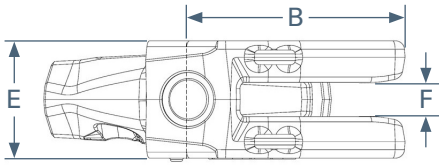
Flushmount



1-1/2 Top leg



1-1/2 Bottom leg notched corner





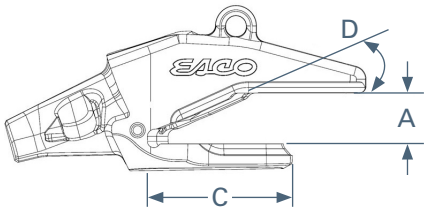
Flushmount (Type 52)



Straddle leg



Flushmount (Type 9)

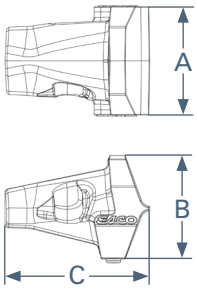


U45 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Side Plate F		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb	
Excavator																	
3810B-U45	8	1-1/2 Bottom Leg	45	1.75	151	5.95	285	11.22	30	144	5.67	--	--	10	22	48	EXC
5856-U45	8	1-1/2 Bottom Leg	50	2.00	151	5.96	285	11.22	30	144	5.67	--	--	10	23	50	EXC
5856L-U45, 5856R-U45	-	1-1/2 Bottom Leg Notched Corner	50	2.00	151	5.96	285	11.22	30	144	5.67	--	--	10	22	48	EXC
3811A-U45	8	1-1/2 Bottom Leg	60	2.36	151	5.94	285	11.22	30	144	5.67	--	--	10	22	49	EXC
8801-U45	4	1-1/2 Top Leg	50	2.00	284	11.17	173.2	6.82	30	144	5.67	--	--	10	26	56	EXC
3888-U45	4	1-1/2 Top Leg	60	2.36	285	11.23	175.1	6.89	30	144	5.67	--	--	10	26	57	EXC
Wheel Loader																	
1837A-U45	4	1-1/2 Top Leg	50	2.00	283	11.15	179	7.03	30	144	5.67	--	--	15	27	59	FEL
1812L-U45, 1812R-U45	5	1-1/2 Top Leg Spade	50	2.00	283	11.15	179	7.03	30	144	5.67	--	--	15	28	62	FEL
8854-U45	10CN	Straddle Leg	50	2.00	283	11.15	285	11.22	30	144	5.67	40	1.50	15	40	89	FEL
1810-U45	4	1-1/2 Top Leg	50	2.00	283	11.15	179	7.03	22.5-25	144	5.67	--	--	15	28	61	FEL
1810L-U45, 1810R-U45	5	1-1/2 Top Leg Spade	50	2.00	283	11.15	179	7.03	22.5-25	144	5.67	--	--	15	28	61	FEL
8838-U45	4	1-1/2 Top Leg Straight/Spade*	65	2.50	267	10.49	133	5.23	30	144	5.67	--	--	15	26	56	FEL
1830L-U45, 1830R-U45	5	1-1/2 Top Leg Spade	65	2.50	273	10.76	139	5.47	30	144	5.67	--	--	15	26	57	FEL
1836-U45	1	Flushmount	50	2.00	323	12.71	N/A		25-30	144	5.67	--	--	15	22	49	FEL
8837-U45	1	Flushmount	65	2.50	321	12.64	N/A		30	144	5.67	--	--	15	25	55	FEL
Miscellaneous																	
3898-U45	52	Flushmount	N/A		275	10.85	N/A		N/A	144	5.67	--	--	5	27	60	Clamshell
3856-U45	9	Flushmount	50	2.00	285	11.22	285	11.22	30	144	5.67	--	--	10	24	54	EXC



WN-U45



U45 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U45	Weld-on Nose	144	5.67	138	5.42	33	1.28	11	24

Ultralok® tooth system - U55



U55A



U55AP



U55C



U55CP



U55F



U55H



U55P



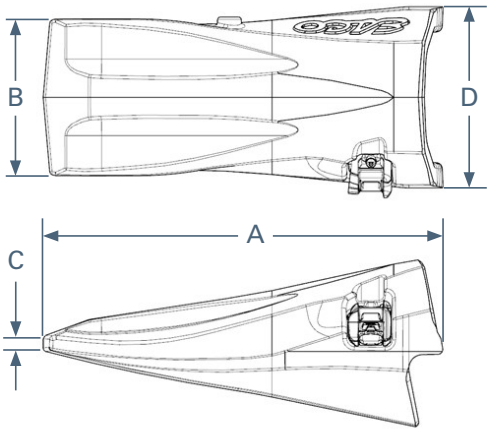
U55PX



U55S



U55T



U55 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U55A, U55AH*, U55AHB**	Abrasion	397	15.62	100	3.96	21	0.82	169	6.66	33	72
U55AP, U55APHB**	Abrasion Penetration	442	17.61	67	2.64	11	0.42	169	6.66	29	63
U55C, U55CH*, U55CHB**	Chisel	415	16.34	56	2.19	11	0.42	169	6.66	20	42
U55CP, U55CPHB**	Chisel Pick	363	14.29	77	3.04	19	0.77	169	6.66	20	37
U55F, U55FH*	Flare	397	15.63	254	9.99	22	0.88	169	6.66	26	58
U55H, U55HHB**	Heavy	413	16.25	58	2.28	22	0.87	169	6.66	24	52
U55P, U55PHB**	Pick	420	16.52	22	0.86	14	0.54	169	6.66	16	35
U55PX, U55PXHB**	Short Pick	371	14.61	22	0.86	14	0.54	169	6.66	17	37
U55S, U55SHB**	Standard	372	14.65	155	6.08	16	0.63	169	6.66	19	43
U55T, U55THB**	Twin Pick	419	16.50	204	8.05	13	0.51	169	6.66	20	44

** Ships with hot slag lock*
***Ships with bolt-in lock for more severe applications*

Ultralok® tooth system - U55



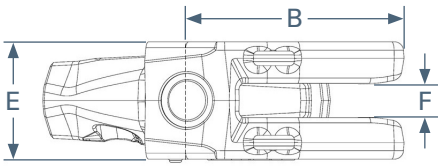
1-1/2 Bottom leg



1-1/2 Top leg



Flushmount





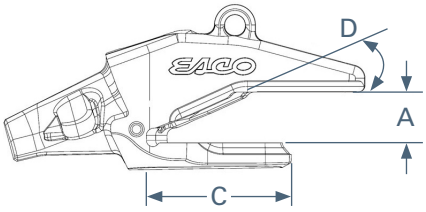
Flushmount (Type 52)



1-1/2 Top leg (Spade)

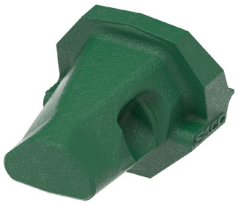


1-1/2 Top leg straddle

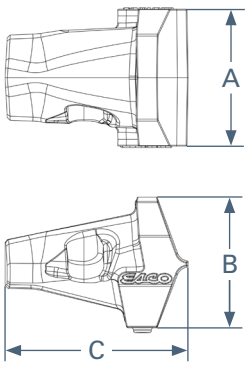


U55 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle	Width E		Side Plate F		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in	D	mm	in	mm	in		kg	lb	
Excavator																	
8801B-U55	8	1-1/2 Bottom Leg	50	2.00	164	6.45	302	11.88	30	163	6.44	--	--	10	29	63	EXC
3811A-U55	8	1-1/2 Bottom Leg	60	2.38	164	6.45	302	11.88	30	163	6.44	--	--	10	33	72	EXC
5857A-U55	8	1-1/2 Bottom Leg	65	2.50	164	6.45	302	11.88	30	163	6.44	--	--	10	32	72	EXC
3858A-U55	8	1-1/2 Bottom Leg	70	2.75	164	6.45	302	11.88	30	163	6.44	--	--	10	32	70	EXC
8878-U55	4	1-1/2 Top Leg	65	2.50	321	12.64	196	7.71	30	163	6.44	--	--	10	37	82	EXC
3858B-U55	4	1-1/2 Top Leg	70	2.75	321	12.64	196	7.71	30	163	6.44	--	--	10	38	83	EXC
Wheel Loader																	
8813A-U55	4	1-1/2 Top Leg	65	2.50	321	12.63	196	7.70	22.5-25	163	6.44	--	--	15	34	45	FEL
8813LA-U55, 8813RA-U55	5	1-1/2 Top Leg Spade	65	2.50	321	12.65	196	7.71	22.5-25	163	6.44	--	--	15	33	73	FEL
5870A-U55	4CN	1-1/2 Top Leg Straddle	65	2.50	318	12.52	131	5.17	22.5-25	163	6.44	50	2.00	15	35	77	FEL
1852-U55	1	Flushmount Straight/Spade	60-65	2.38-2.50	331	13.02	N/A		30	163	6.44	--	--	15	30	67	FEL
4831A-U55	10	2 Leg	50	2.00	330	12.99	330	12.99	38	163	6.44	--	--	15	42	93	FEL Hot Slag
Miscellaneous																	
3858C-U55	8	1-1/2 Bottom Leg	70	2.75	310	12.20	500	19.70	90	163	6.44	--	--	10	46	102	Bucket Wheel
3898-U55	52	Flushmount	N/A		339	13.36	NA		N/A	163	6.44	--	--	5	39	87	Clamshell



WN-U55



U55 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U55	Weld-on Nose	163	6.42	156	6.15	38	1.50	16	36

Ultralok® tooth system - U60



U60A/AHS/AR



U60AP



U60C



U60F



U60H



U60P



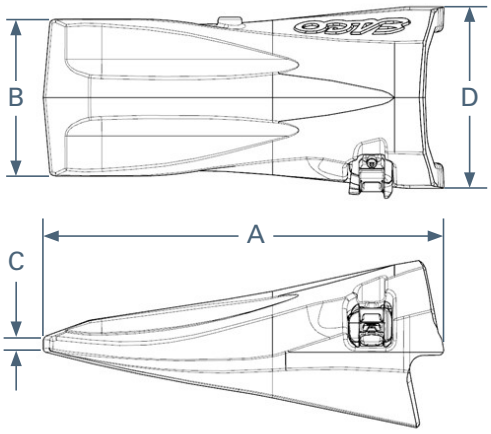
U60S



U60R



U60T



U60 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
U60A, U60AHB**	Abrasion	474	18.66	119	4.68	24	0.95	195	7.67	49	109
U60AHS*, U60AHSB**	Abrasion Hot Slag	457	17.99	113	4.44	24	0.95	195	7.67	49	110
U60AP, U60APHB**	Abrasion Penetration	494	19.43	76	2.97	13	0.51	195	7.67	44	96
U60AR, U60ARHB**	Abrasion Rock	457	17.99	116	4.57	35	1.38	195	7.67	52	114
U60C, U60CH*, U60CHB**	Chisel	454	17.86	75	2.95	11	0.45	195	7.67	29	64
U60F, U60FHB**	Flare	465	18.33	279	11.00	25	1.01	195	7.67	37	82
U60H, U60HHB**	Heavy	454	17.86	68	2.69	30	1.20	195	7.67	33	73
U60P, U60PHB**	Pick	466	18.36	22	0.86	14	0.56	195	7.67	23	52
U60S, U60SHB**	Standard	429	16.88	168	6.60	16	0.63	195	7.67	29	65
U60R, U60RHB**	Rock	375	14.75	169	6.65	16	0.63	195	7.67	24	53
U60T, U60THB**	Twin Pick	466	18.36	235	9.26	15	0.60	195	7.67	29	64

** Ships with hot slag lock;*
***Ships with bolt-in lock for more severe applications*

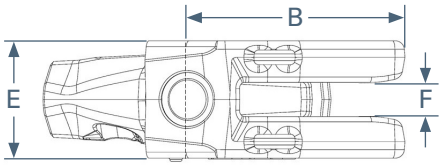
Ultralok® tooth system - U60



1-1/2 Bottom leg



1-1/2 Top leg

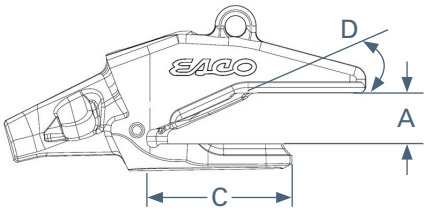




1-1/2 Top leg straddle



2 Leg



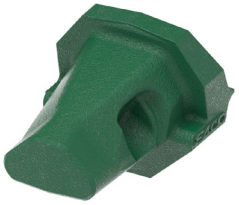
U60 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Adapter Width E		Side Plate F		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb	
Excavator																	
3811A-U60	8	1-1/2 Bottom Leg	60	2.38	171	6.74	317	12.49	30	188	7.40	--	--	10	42	92	EXC
5857B-U60	8	1-1/2 Bottom Leg	65	2.50	180	7.08	326	12.84	30	188	7.40	--	--	10	43	94	EXC
3858B-U60	4	1-1/2 Top Leg	70	2.75	370	14.57	185	7.29	30	188	7.40	--	--	10	57	126	EXC
5865-U60	4	1-1/2 Top Leg	75	3.00	372	14.66	187	7.38	30	188	7.40	--	--	10	54	119	EXC
5898A-U60	4	1-1/2 Top Leg	80	3.15	397	14.91	194	7.64	30	188	7.40	--	--	10	53	116	EXC
5898B-U60	4	1-1/2 Top Leg	80	3.15	379	14.91	209	8.22	30	188	7.40	--	--	10	61	134	EXC
6805A-U60	4	1-1/2 Top Leg	90	3.50	402	15.84	217	8.55	30	188	7.40	--	--	10	49	108	EXC
6805B-U60	4	1-1/2 Top Leg	90	3.50	399	15.71	229	9.02	30	188	7.40	--	--	10	59	129	EXC
8879-U60	4	1-1/2 Top Leg	90	3.50	395	15.56	225	8.87	35.5	188	7.40	--	--	10	54	120	EXC
8880L-U60*, 8880R-U60*	4CN	1-1/2 Top Leg Straddle	70	2.75	356	14	187	7.37	30	181	7.13	50	2.00	10	63	139	EXC
Wheel Loader																	
5869B-U60	4	1-1/2 Top Leg	65	2.50	356	14.00	204	8.05	22.5-25	188	7.40	--	--	15	53	116	FEL
5869LB-U60, 5869RB-U60	5	1-1/2 Top Leg Spade	65	2.50	356	14.00	205	8.06	22.5-25	188	7.40	--	--	15	55	122	FEL
4891A-U60	4	1-1/2 Top Leg	70	2.75	356	14.00	205	8.06	22.5-25	188	7.40	--	--	15	52	115	FEL
4890LA-U60, 4890RA-U60	5	1-1/2 Top Leg Spade	70	2.75	356	14.00	205	8.06	22.5-25	188	7.40	--	--	15	55	121	FEL
1856A-U60	4	1-1/2 Top Leg	75	3.00	356	14.00	205	8.06	22.5-25	188	7.40	--	--	15	51	112	FEL
1857LA-U60, 1857RA-U60	5	1-1/2 Top Leg Spade	75	3.00	356	14.00	205	8.06	22.5-25	188	7.40	--	--	15	53	117	FEL
8846A-U60	4	1-1/2 Top Leg	75	3.00	356	14.00	205	8.06	30	188	7.40	--	--	15	52	115	FEL
8846LA-U60, 8846RA-U60	5	1-1/2 Top Leg Spade	75	3.00	356	14.00	205	8.06	30	188	7.40	--	--	15	54	120	FEL
5870LB-U60*, 5870RB-U60*	4CN	1-1/2 Top Leg Straddle	70	2.75	356	14.00	187	7.37	30	181	7.13	50	2.00	15	63	138	FEL
1888C-U60	10	2 Leg	64	2.50	356	14.00	356	14.00	38	188	7.40	--	--	15	49	108	FEL Hot Slag

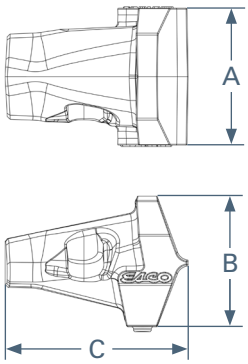
** Use with CC70X50L&R Cast Corners.*

- *For 65mm / 2.50in. Lips: Align the cast corner with bottom of lip.*
- *For 70mm / 2.75in. Lips: Align the cast corner with top of lip.*
- *For 75mm / 3.00in. Lips: Center the cast corner on the lip.*

Ultralok® tooth system - U60



WN-U60

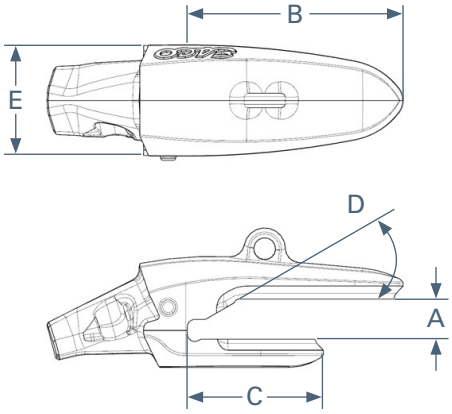


U60 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U60	Weld-on Nose	188	7.4	180	7.08	44	1.73	25	54



1-1/2 Top leg



U60 Wear Cap Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Leg Opening F		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in	mm	in		kg	lb	
5869BW-U60	4	1-1/2 Top Leg	65	2.50	356	14.00	204	8.05	22.5-25	188	7.42	N/A		15	58	129	FEL
5869LBW-U60, 5869RBW-U60	5	1-1/2 Top Leg Spade	65	2.50	356	14.00	205	8.06	22.5-25	188	7.42	N/A		15	61	135	FEL
4891AW-U60	4	1-1/2 Top Leg	70	2.75	356	14.00	205	8.06	22.5-25	188	7.42	N/A		15	58	129	FEL
4890LAW-U60, 4890RAW-U60	5	1-1/2 Top Leg Spade	70	2.75	356	14.00	205	8.06	22.5-25	188	7.42	N/A		15	60	133	FEL
1856AW-U60	4	1-1/2 Top Leg	75	3.00	356	14.00	205	8.06	22.5-25	188	7.42	N/A		15	58	127	FEL
1857LAW-U60, 1857RAW-U60	5	1-1/2 Top Leg Spade	75	3.00	356	14.00	205	8.06	22.5-25	188	7.42	N/A		15	59	131	FEL
8846AW-U60	4	1-1/2 Top Leg	75	3.00	356	14.00	205	8.06	30	188	7.40	N/A		15	57	127	FEL
8846LAW-U60, 8846RAW-U60	5	1-1/2 Top Leg Spade	75	3.00	356	14.00	205	8.06	30	188	7.40	N/A		15	58	129	FEL
3858BW-U60	4	1-1/2 Top Leg Adapter	70	2.75	368	14.50	185	7.30	30	187	7.40	N/A		10	60	132	Excavator
5865W-U60	4	1-1/2 Top Leg Adapter	75	3.00	370	14.60	188	7.40	30	187	7.40	N/A		10	61	134	Excavator
5898AW-U60	4	1-1/2 Top Leg Adapter	80	3.15	370	14.60	185	7.30	30	187	7.40	N/A		10	60	132	Excavator
6805AW-U60	4	1-1/2 Top Leg Adapter	90	3.50	400	15.80	215	8.50	30	187	7.40	N/A		10	49	108	Excavator

Ultralok® tooth system - U60

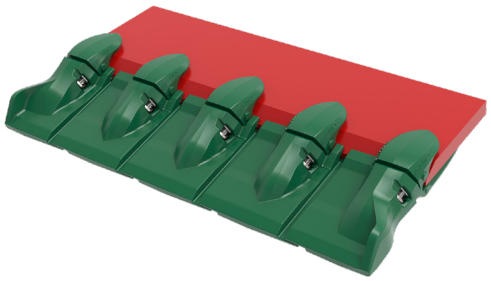


U60 Wear Cap

PMID	Description	Thickness		Length		Width		Weight		Machine Type
		mm	in	mm	in	mm	in	kg	lb	
WCU60	Ultralok Wear Cap	94	3.70	178	7.01	190	7.48	7	16	FEL, EXC

Ultralok® continuous edge tooth system for excavator buckets

Contractors are in a unique position with the wide range of applications and digging conditions they encounter. The ability to quickly adapt their equipment to match upcoming job requirements is key to efficiency and to lower operating costs. There is often a need for a continuous edge to provide a smooth floor in pipeline, foundation excavation and other similar applications. The tooth system is engineered to stop material from passing between adapters, leaving behind a smooth surface.



The field-proven integral hammerless lock of the Ultralok system allows the continuous edge points to be installed and removed quickly as conditions demand, saving time, maintenance costs and ensuring the right configuration for the current application. Ultralok continuous edge tooth system is available in U30, U35, U40 and U45 nose sizes.

Ultralok® continuous edge lip system benefits

- Quickly replace continuous edge points with other Ultralok points
- Unique design allows individual worn parts to be easily replaced
- Increases bucket capacity, productivity and versatility
- No welding required improves worker safety
- Corner point wings help channel material into the bucket and reduce bucket corner wear



Applications for Ultralok® continuous edge points

- Ditch cleaning
- Sloping
- Grading
- Drainage
- Material handling
- Other finish work

Continuous edge points for the Ultralok® system

This guide provides detailed information on the size selection and adapter spacing required for ESCO® Ultralok continuous edge points. The continuous edge points are available in U30 through U45 size.

The process steps are as follows.

1. Select the Ultralok nose size based on machine breakout force (BOF) and weight.
2. Select the continuous edge compatible Ultralok adapter from the list provided.
3. Using the bucket width ranges as a guide, determine the number of adapters required.
4. Determine the number of points required. Each lip assembly will have one left and one right corner point (LCE and RCE). The number of center points is dependent on the lip width. Charts are provided that specify the number of center points based on nose size and nominal bucket width.

IMPORTANT: *U35 and U45 size points are available in a standard version (CCE) and a wide version (CCEW) to better accommodate a full range of bucket widths.*

5. Determine the adapter spacing using the charts provided.
6. Weld the adapters in place per ESCO Construction Products Usage and Maintenance, literature number P6007CON; and ESCO Welding Procedures, literature number P6000GEN.

Ultralok® continuous edge compatible nose sizes

Step 1

Select the Ultralok nose size based on machine breakout force (BOF) and weight.

Excavator Bucket Nose Size Recommendation

NOSE SIZE	MACHINE LIMITS	STD / HD BUCKET APPLICATION*		XHD BUCKET APPLICATION*	
		kg	lb	kg	lb
U30	Maximum Break Out Force (BOF)	13.3	29.1	10.5	23.0
	Maximum Machine Weight	21.7	47.7	16.3	35.8
U35	Maximum Break Out Force (BOF)	17.0	37.4	13.5	48.7
	Maximum Machine Weight	29.4	64.8	22.1	38.2
U40	Maximum Break Out Force (BOF)	21.8	48.0	17.4	38.2
	Maximum Machine Weight	39.9	87.8	30.2	66.4
U45	Maximum Break Out Force (BOF)	27.0	59.3	21.8	48.0
	Maximum Machine Weight	53.3	117.2	39.9	87.8

**All machine BOF and weight are figured in 1,000 kg/lb.*

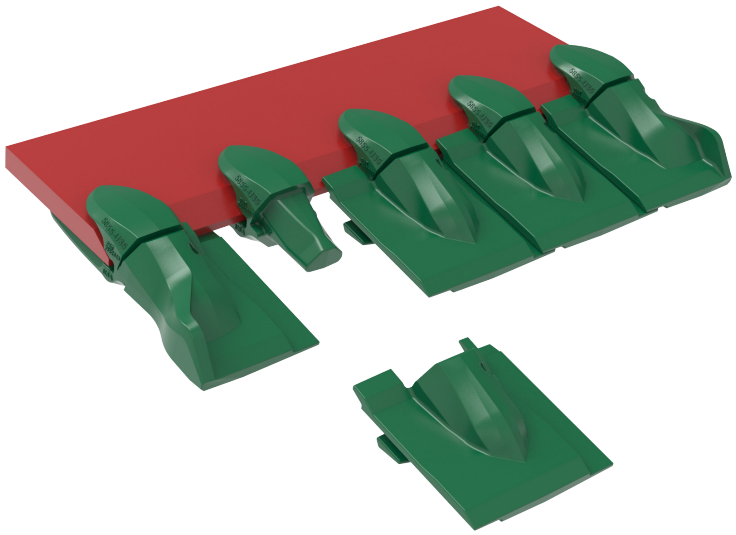
Ultralok® continuous edge compatible adapters

Step 2

Select the continuous edge compatible Ultralok adapter by the part marking identification (PMID) based on lip thickness from the list below and the nose size determined in **Step 1**. If you are not sure about which adapter to select, contact your ESCO representative.

Continuous Edge Compatible Adapters				
NOSE SIZE	ADAPTER PMID	DESCRIPTION	LIP THICKNESS mm	LIP THICKNESS in
U30	5849-U30	1-1/2 Bottom Leg	32	1.25
	3881B-U30	1-1/2 Bottom Leg	35	1.38
	3871A-U30	Bottom Leg	35	1.38
	5850-U30	1-1/2 Bottom Leg	38	1.50
U35	5855-U35	1-1/2 Bottom Leg	38	1.50
	3872A-U35	Bottom Leg	35	1.38
U40	5856-U40	1-1/2 Bottom Leg	51	2.00
	8801-U40	1-1/2 Top Leg	51	2.00
U45	5856-U45	1-1/2 Bottom Leg	51	2.00
	8801-U45	1-1/2 Top Leg	51	2.00

Ultralok® continuous edge tooth system



Ultralok® continuous edge bucket width options

Step 3

In the chart for your nose size, use the outside adapter width range – Dimension A – as a guide to determine the number of adapters required. Refer to the illustration on page 7 for reference to Dimension A. Outside adapter width depends on the placement of the corner adapters in addition to the bucket width.

Step 4

Determine the PMID of the points required. Each lip assembly will have one left corner and one right corner point (LCE and RCE). The number of center points is dependent on the lip width. U35 and U45 size points are available in a standard version (CCE) and a wide version (CCEW) to better accommodate a full range of outside adapter widths. Use the charts on pages 6 and 7 to determine the number of center points required based on nose size and outside adapter width range. When both standard center (CCE) or wide center (CCEW) points will work, choose the point style that provides the tightest spacing (outside adapter width closest to minimum).

U30 Bucket Width Options

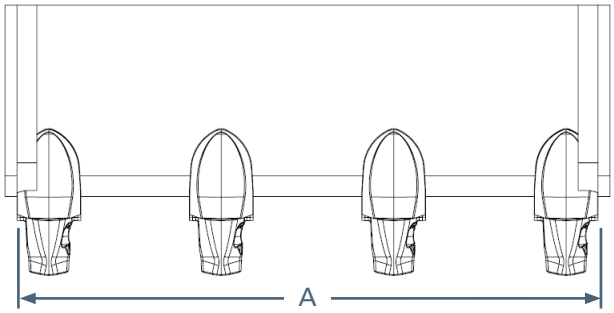
DIMENSION A OUTSIDE ADAPTER WIDTH RANGE mm	DIMENSION A OUTSIDE ADAPTER WIDTH RANGE in	NUMBER OF ADAPTERS	CENTER POINT PMID	NUMBER OF CENTER POINTS	LEFT CORNER POINT PMID ONE EACH	RIGHT CORNER POINT PMID ONE EACH
553 - 677	21.8 - 26.6	3	U30CCE	1	U30LCE	U30RCE
779 - 964	30.7 - 38.0	4	U30CCE	2	U30LCE	U30RCE
1004 - 1251	39.5 - 49.3	5	U30CCE	3	U30LCE	U30RCE
1230 - 1538	48.4 - 60.6	6	U30CCE	4	U30LCE	U30RCE
1455 - 1826	57.3 - 71.9	7	U30CCE	5	U30LCE	U30RCE
1681 - 2113	66.2 - 83.2	8	U30CCE	6	U30LCE	U30RCE

U35 Bucket Width Options

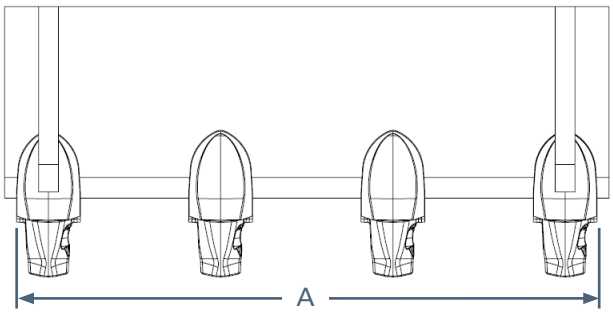
DIMENSION A OUTSIDE ADAPTER WIDTH RANGE mm	DIMENSION A OUTSIDE ADAPTER WIDTH RANGE in	NUMBER OF ADAPTERS	CENTER POINT PMID	NUMBER OF CENTER POINTS	LEFT CORNER POINT PMID ONE EACH	RIGHT CORNER POINT PMID ONE EACH
554 - 630	21.8 - 24.8	3	U35CCE	1	U35LCE	U35RCE
592 - 668	23.3 - 26.3	3	U35CCEW	1	U35LCE	U35RCE
775 - 886	30.5 - 34.9	4	U35CCE	2	U35LCE	U35RCE
831 - 963	32.7 - 37.9	4	U35CCEW	2	U35LCE	U35RCE
993 - 1146	39.1 - 45.1	5	U35CCE	3	U35LCE	U35RCE
1069 - 1350	42.1 - 49.6	5	U35CCEW	3	U35LCE	U35RCE
1212 - 1402	47.7 - 55.2	6	U35CCE	4	U35LCE	U35RCE
1308 - 1554	51.5 - 61.2	6	U35CCEW	4	U35LCE	U35RCE
1433 - 1659	56.4 - 65.3	7	U35CCE	5	U35LCE	U35RCE
1547 - 1941	60.9 - 72.8	7	U35CCEW	5	U35LCE	U35RCE
1651 - 1915	65.0 - 75.4	8	U35CCE	6	U35LCE	U35RCE
1786 - 2144	70.3 - 84.4	8	U35CCEW	6	U35LCE	U35RCE

CCE = center continuous edge
CCEW = center continuous edge wide

Ultralok® continuous edge bucket width options, continued



Corner adapters flush to side plate



Corner adapters centered on the side plate

U40 Bucket Width Options						
DIMENSION A OUTSIDE ADAPTER WIDTH RANGE mm	in	NUMBER OF ADAPTERS	CENTER POINT PMID	NUMBER OF CENTER POINTS	LEFT CORNER POINT PMID ONE EACH	RIGHT CORNER POINT PMID ONE EACH
656 - 791	25.8 - 31.2	3	U40CCE	1	U40LCE	U40RCE
919 - 1123	36.2 - 44.2	4	U40CCE	2	U40LCE	U40RCE
1183 - 1454	46.6 - 57.2	5	U40CCE	3	U40LCE	U40RCE
1446 - 1785	56.9 - 70.3	6	U40CCE	4	U40LCE	U40RCE
1709 - 2116	67.3 - 83.3	7	U40CCE	5	U40LCE	U40RCE
1973 - 2448	77.7 - 96.4	8	U40CCE	6	U40LCE	U40RCE

U45 Bucket Width Options						
DIMENSION A OUTSIDE ADAPTER WIDTH RANGE mm	in	NUMBER OF ADAPTERS	CENTER POINT PMID	NUMBER OF CENTER POINTS	LEFT CORNER POINT PMID ONE EACH	RIGHT CORNER POINT PMID ONE EACH
657 - 738	25.9 - 29.1	3	U45CCE	1	U45LCE	U45RCE
707 - 788	27.8 - 31.0	3	U45CCEW	1	U45LCE	U45RCE
914 - 1036	36.0 - 40.8	4	U45CCE	2	U45LCE	U45RCE
989 - 1136	38.9 - 44.7	4	U45CCEW	2	U45LCE	U45RCE
1170 - 1333	46.1 - 52.5	5	U45CCE	3	U45LCE	U45RCE
1270 - 1483	50.0 - 58.4	5	U45CCEW	3	U45LCE	U45RCE
1427 - 1630	56.2 - 64.2	6	U45CCE	4	U45LCE	U45RCE
1551 - 1830	61.1 - 72.1	6	U45CCEW	4	U45LCE	U45RCE
1683 - 1927	66.3 - 75.9	7	U45CCE	5	U45LCE	U45RCE
1883 - 2177	72.2 - 85.7	7	U45CCEW	5	U45LCE	U45RCE
1940 - 2224	76.4 - 87.6	8	U45CCE	6	U45LCE	U45RCE
2114 - 2525	83.2 - 99.4	8	U45CCEW	6	U45LCE	U45RCE

CCE = center continuous edge
CCEW = center continuous edge wide

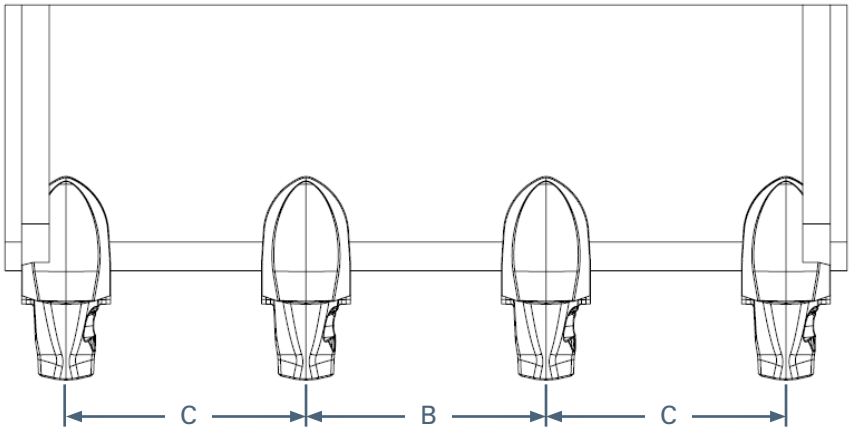
Ultralok® continuous edge adapter spacing

Step 5

Determine the adapter spacing using the charts below for the nose size you are using. Refer to the illustration for the specified dimensions. The spacing for Dimension B and Dimension C are from the adapter centerline to the adjacent adapter centerline.

The nominal bucket width shown is the industry standard but will vary by manufacturer. Refer to the Dimension A Bucket Width Range shown in the charts in **Step 4** for acceptable limits. When bucket widths are outside the range, spacing between each adapter will need to be adjusted equally. ESCO recommends a minimum point blade overlap of 13 mm (0.50 in).

If you are not sure of the spacing or point and adapter selection, please contact your ESCO representative.



U30 Adapter Spacing

NOMINAL BUCKET WIDTH		NUMBER OF ADAPTERS	CENTER POINT PMID	DIMENSION B SPACING		DIMENSION C SPACING	
mm	in			mm	in	mm	in
610	24	3	U30CCE	264	10.40	264	10.40
762	30	4	U30CCE	227	8.93	227	8.93
914	36	4	U30CCE	278	10.93	278	10.93
1067	42	5	U30CCE	246	9.70	246	9.70
1219	48	6	U30CCE	228	8.96	228	8.96
1372	54	6	U30CCE	258	10.16	258	10.16
1524	60	7	U30CCE	240	9.47	240	9.47
1676	66	8	U30CCE	228	8.97	228	8.97

Ultralok® continuous edge adapter spacing, continued

U35 Adapter Spacing							
NOMINAL BUCKET WIDTH		NUMBER OF ADAPTERS	CENTER POINT PMID	DIMENSION B SPACING		DIMENSION C SPACING	
mm	in			mm	in	mm	in
610	24	3	U35CCEW	257	10.14	276	10.89
762	30	4	U35CCE	222	8.76	222	8.76
914	36	4	U35CCEW	267	10.51	286	11.26
1067	42	5	U35CCEW	233	9.19	253	9.94
1219	48	6	U35CCE	225	8.85	225	8.85
1372	54	6	U35CCEW	244	9.60	263	10.35
1524	60	7	U35CCE	238	9.38	238	9.38
1676	66	8	U35CCE	226	8.90	226	8.90
1829	72	8	U35CCEW	234	9.22	253	9.97

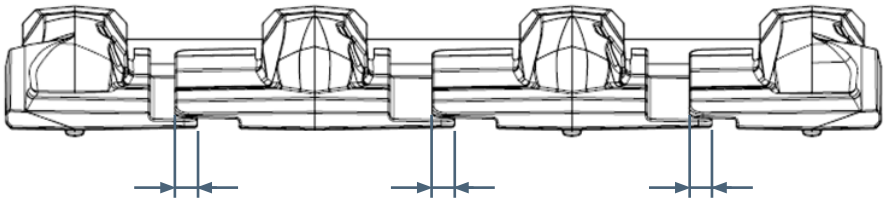
U40 Adapter Spacing							
NOMINAL BUCKET WIDTH		NUMBER OF ADAPTERS	CENTER POINT PMID	DIMENSION B SPACING		DIMENSION C SPACING	
mm	in			mm	in	mm	in
762	30	3	U40CCE	327	12.86	327	12.86
914	36	4	U40CCE	268	10.57	268	10.57
1067	42	4	U40CCE	319	12.57	319	12.57
1219	48	5	U40CCE	278	10.93	278	10.93
1372	54	5	U40CCE	316	12.43	316	12.43
1524	60	6	U40CCE	283	11.14	283	11.14
1676	66	6	U40CCE	313	12.34	313	12.34
1829	72	7	U40CCE	287	11.29	287	11.29
1981	78	8	U40CCE	267	10.53	267	10.53

Ultralok® continuous edge adapter spacing, continued

U45 Adapter Spacing							
NOMINAL BUCKET WIDTH		NUMBER OF ADAPTERS	CENTER POINT PMID	DIMENSION B SPACING		DIMENSION C SPACING	
mm	in			mm	in	mm	in
762	30	3	U45CCEW	319	12.57	344	13.55
914	36	4	U45CCE	273	10.76	273	10.76
989	42	4	U45CCEW	306	12.05	331	13.03
1170	48	5	U45CCE	281	11.07	281	11.07
1270	54	5	U45CCEW	300	11.79	324	12.77
1427	60	6	U45CCE	286	11.25	286	11.25
1683	66	6	U45CCEW	296	11.64	320	12.62
1833	72	7	U45CCEW	268	10.54	292	11.52
1940	78	8	U45CCE	269	10.61	269	10.61
2114	84	8	U45CCEW	269	10.60	294	11.58

Step 6

Weld the adapters in place per ESCO Construction Products Usage and Maintenance, literature number P6007CON; and ESCO Welding Procedures, literature number P6000GEN.



Point-to-point blade overlap

Check the spacing by arranging the adapters with the determined spacing from **Step 5**, then tack weld all the adapters in place. Check the fit with the set of continuous edge points before completing the welds. The point-to-point blade overlap should be approximately equal in all positions. For maximum system stability and strength install the corner adapters straight.

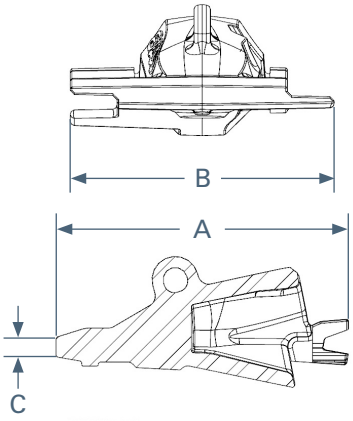
Ultralok® tooth system - continuous edge



LCE - left corner



CCE - center





CCEW - center wide

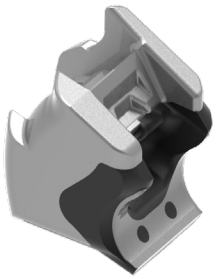


RCE - right corner

Ultralok Continuous Edge Points

PMID	Description	Length A		Width B		Bit Thickness C		Weight	
		mm	in	mm	in	mm	in	kg	lb
U30CCE	Center U30	249	9.80	302	11.90	16	0.63	12	27
U30LCE	Left corner U30	249	9.80	222	8.70	17	0.67	10	22
U30RCE	Right Corner U30	249	9.80	222	8.70	17	0.67	11	24
U35CCE	Center U35	277	10.90	269	10.60	18	0.69	14	31
U35CCEW	Center Wide U35	277	10.90	307	12.10	18	0.69	15	34
U35LCE	Left Corner U35	277	10.90	211	8.30	19	0.73	12	27
U35RCE	Right Corner U35	277	10.90	211	8.30	19	0.73	13	29
U40CCE	Center U40	310	12.20	343	13.50	20	0.79	20	44
U40CCE	Left corner U40	312	12.30	257	10.10	21	0.83	18	39
U40LCE	Right Corner U40	312	12.30	257	10.10	21	0.83	19	42
U40RCE	Center U45	343	13.50	310	12.20	24	0.93	25	56
U45CCE	Center Wide U45	343	13.50	261	14.20	24	0.93	28	62
U45LCE	Left Corner U45	343	13.50	251	9.90	25	0.98	22	49
U45RCE	Right Corner U45	343	13.50	251	9.90	25	0.98	24	53
U45CCEW	Center Wide U45	343	13.50	361	14.20	24	0.93	28	62

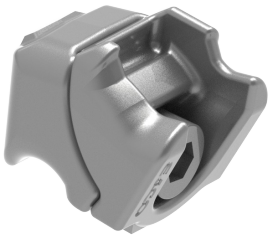
Ultralok® tooth system - locks



Standard



Weld-in hot slag



Bolt-in hot slag

U20/U25 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U20-25L-BOX	Standard Lock - Box of 10 Each	20	0.79	0.03	0.06
U20-25LHB-BOX	Weld-in Hot Slag Lock - Box of 10 Each	20	0.79	0.05	0.10

U30 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U30L-BOX	Standard Lock - Box of 10 Each	25	0.97	0.05	0.11
U30LHB-BOX	Weld-in Hot Slag Lock - Box of 10 Each	25	0.97	0.05	0.11

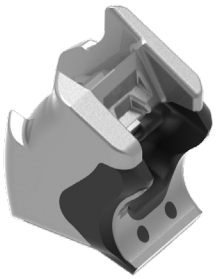
U35 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U35L-BOX	Standard Lock - Box of 10 Each	28	1.10	0.07	0.11
U35LHB-BOX	Weld-in Hot Slag Lock - Box of 10 Each	29	1.10	0.12	0.26

U40 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U40L-BOX	Standard Lock - Box of 10 Each	31	1.23	0.10	0.21
U40LH	Weld-in Hot Slag Lock - One Each	31	1.23	0.20	0.45
U40LHB-BOX	Bolt-in Hot Slag Lock - Box of 10 Each	31	1.23	0.17	0.37

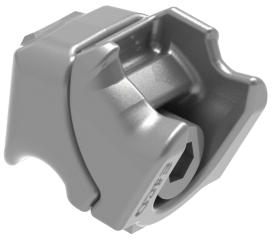
Ultralok® tooth system - locks



Standard



Weld-in hot slag



Bolt-in hot slag

U45 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U45L-BOX	Standard Lock - Box of 10 Each	35	1.38	0.13	0.29
U45LH	Weld-in Hot Slag Lock - One Each	35	1.38	0.28	0.63
U45LHB-BOX	Bolt-in Hot Slag Lock - Box of 10 Each	35	1.38	0.23	0.51

U55 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U55L-BOX	Standard Lock - Box of 10 Each	40	1.56	0.20	0.44
U55LH	Weld-in Hot Slag Lock - One Each	40	1.57	0.42	0.92
U55LHB-BOX	Bolt-in Hot Slag Lock - Box of 10 Each	40	1.57	0.34	0.75

U60 Locks

PMID	Description	Length		Weight per Lock	
		mm	in	kg	lb
U60L-BOX	Standard Lock - Box of 10 Each	49	1.92	0.33	0.73
U60LH	Weld-in Hot Slag Lock - One Each	49	1.93	0.68	1.5
U60LHB-BOX	Bolt-in Hot Slag Lock - Box of 10 Each	49	1.93	0.57	1.3

Ultralok® tooth system - tools



Pry tool - small



Fines pick tool - small

U20/U25/U30/U35 Tools

PMID	Description	Weight	
		kg	lb
CPB8G	Pry Bar with Handle - Small	0.14	0.3
84005	Fines Pick Tool - Small	0.05	0.1



Pry tool - medium



Fines pick tool - large

U40/U45 Tools

PMID	Description	Weight	
		kg	lb
PB15CG	Pry Bar with Handle - Medium	0.38	0.8
84001	Fines Pick Tool - Large	0.15	0.3



Pry tool - large



Fines pick tool - large

U55/U60 Tools

PMID	Description	Weight	
		kg	lb
PB31CG	Pry Bar with Handle - Large	1.2	2.5
84001	Fines Pick Tool - Large	0.15	0.3

Genuine ESCO® Super V® system

The Super V system one of many premium products developed by ESCO engineering experts. Cast in premium alloys, using Super V teeth ensures the good balance of hardness and impact resistance to perform in demanding applications. Super V teeth are available for mining class excavators and wheel loaders. Insist on Genuine ESCO Super V components for optimum system reliability and machine performance.



Superior performance over will-fit product

- Up to 10% higher hardness – abrasion resistance
- Up to 67% higher toughness – impact resistance
- Consistent fit and quality ensures reliability



AD/ADH (not shown) – Abrasion penetration



AR/ARH – Abrasion rock



RYL – Standard rock



SF - Flare



SDX – Chisel heavy



SHV – Penetration abrasion



SYL – General purpose long



TVY/TVYH -Twin pick heavy



TYL – General purpose



VYH – Pick heavy

Super V® point selection

Proper selection of the points to match the machine and application is very important for maximum performance. If you have any questions, please contact your ESCO representative.

When selecting a tooth shape there are several key areas to look at. Also, what tooth style was previously used and did it perform satisfactorily. Even if it was not an ESCO design, it can give an indication of a style to match or a style to avoid.

Consider the loading, penetration, abrasion, and impact needs. These can be based on application, machine make and model, and the material to be handled. Then go to the page listing the size of points to match the nose size selected. Each point has a description of its performance characteristics (penetration, abrasion, rock, chisel, etc.). Typically, centerline (CL) points are used on excavators and non centerline (NCL) are used on wheel loaders. There are exceptions, but it is a good general guideline. Following is a functional description of the most popular Super V points.

***IMPORTANT:** Some points have the riser contact (the location where the molten steel is poured into the mold) located on the bottom of the part. When installing these points, ESCO recommends the riser contact be turned downward. Since the maximum tension is on the top of the point, this ensures the assembly will have optimal strength during the digging cycle.*

Point shapes recommended for excavators

SYL - Standard, general purpose shape for excavator applications. Wears sharp for excellent penetration during entire point life. Center rib adds strength and extra wear metal for longer life.

RYL - Standard rock tooth for optimum system strength in tough applications. Excellent heavy duty alternative to the popular SYL design.

SDX - Heavy duty chisel shape for moderate penetration and wear metal, as well as excellent strength. Ideal for tough applications that need both wear metal and penetration.

SHV - Extra heavy duty shape for extreme applications requiring optimum strength and wear metal. Unique blade shape puts wear metal to the outside of the point to cut clearance for the side of the bucket and maintain an excellent wear profile for the life of the point.

VY/TVY - Pick style shapes for excellent penetration. Ideal for frost, shale, slate and other hard to penetrate materials. The VY is for the center positions and the TVY is for the corners to cut clearance for the side of the bucket. In penetration applications where additional strength is of primary concern or full machine power is used, pick style shapes are also offered in heavy-duty versions sizes V29-V59.

Flare - Sharp flared bit for general purpose clean up. Excellent for trench bottoms and foundation excavations.

TYLCE - Special non-twist point for use in continuous edge applications. When a blade is welded to these

Point shapes recommended for excavators

TYL - Standard, general purpose shape for loader applications. Provides flush cut with flushmount adapters for smooth quarry floors or foundation excavations.

AD - Heavy duty shape for moderate penetration and wear metal, as well as excellent strength. Ideal for tough applications that need both wear metal and penetration. Popular in tough quarry applications.

ADH - Similar design of the popular AD point shape with additional material added to the bottom wear shoe. Provides the same penetration but with additional wear life. Excellent for maintaining a smooth quarry floor.

AR - Tough abrasion shape for applications requiring excellent wear metal and strength. Large wear shoe provides protection for the bucket bottom.

ARH - XHD abrasion tooth for hot slag or severe abrasion applications. Provides maximum wear metal and strength.

Pin Selection

The last two numbers in each adapter pattern number signify the nose size. The same number is used in the equivalent size of point. The letters which follow the size number indicate the specific point shape.

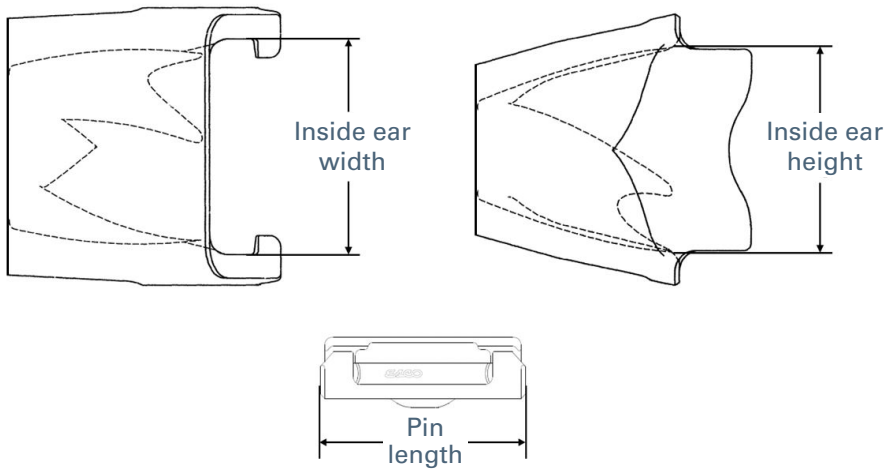
Point, pin and adapter numbering system

The last two numbers in each adapter pattern number signify the nose size. The same number is used in the equivalent size of point and locking device. The letters which follow the size number indicate the specific point shape or type of locking device.

Component	Super V Pattern No.
Adapter	3858-V59
Point	**V59**RYL
Pin	**V59**PN

Super V® replacement points identification chart

When a point is worn, the exterior markings can be worn away as well. Super V points typically include the system size cast inside the point box to ensure the correct replacement size is selected. If the system size is missing or illegible, the following illustrations and chart provide details on measuring worn parts to identify the correct replacement size needed.



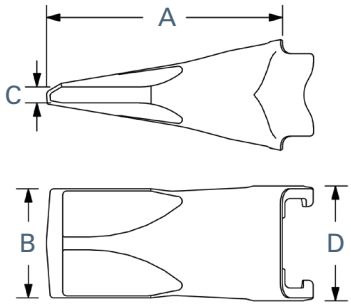
Super V Replacement Points Identification Chart

Nose Size	Inside Ear Width		Inside Box Height		Pin Length	
	mm	in	mm	in	mm	in
V13	44	1.73	33	1.29	48	1.89
V17	51	2.00	39	1.53	48	1.89
V19	64	2.52	55	2.17	52	2.06
V23	72	2.83	65	2.54	52	2.06
V29	76	3.01	69	2.73	79	3.10
V33	87	3.42	80	3.15	86	3.39
V39	97	3.82	90	3.54	95	3.73
V43	108	4.25	99	3.90	105	4.13
V51	118	4.66	110	4.34	111	4.38
V59	129	5.08	118	4.66	121	4.75

Super V® tooth system - V13

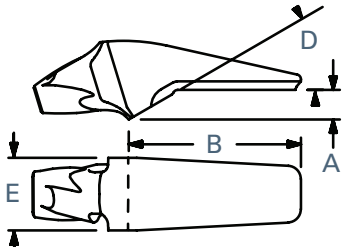


V13SYL

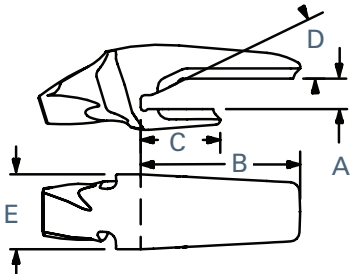


V13 Points

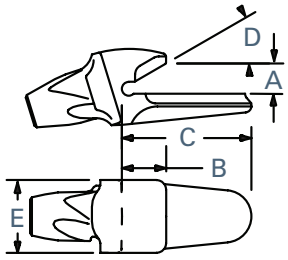
PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V13SYL	General Purpose Long CL	100	3.94	47	1.84	8	0.3	54	2.13	0.7	1.6



Type 1



Type 4



Type 7

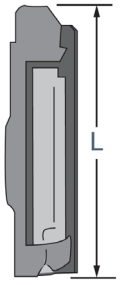
V13 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
833-V13	7	Bottom Leg	15	0.59	21	0.81	82	3.23	30	51	2.00	17	1.0	2.2	EXC
8842-V13	4	1-1/2 Top Leg	25	1.00	106	4.16	66	2.59	23	49	1.91	17	1.0	2.2	EXC
8843-V13	1	Flushmount	16	0.63	89	3.49	N/A		22	49	1.91	14	1.0	2.2	EXC
Wheel Loader															
8857-V13	1	Flushmount	15	0.59	100	3.94	N/A		30	49	1.91	15	1.0	2.2	FEL
8869-V13*	4	1-1/2 Top Leg	19	0.75	176	6.94	62	2.44	22.5	49	1.91	15	2.0	4.4	FEL

** Special stepped lip adapter for tooth bar applications*

V13-V17 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V13-17PN	Super V Pin	48	1.89	0.04	0.1



V13-17PN

Super V® tooth system - V17



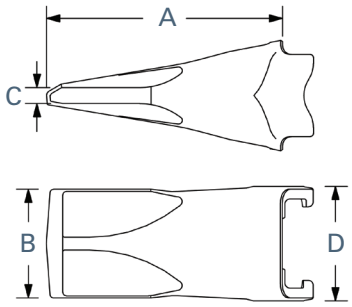
V17TVY



V17TYL

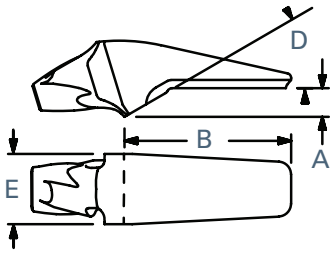


V17VY

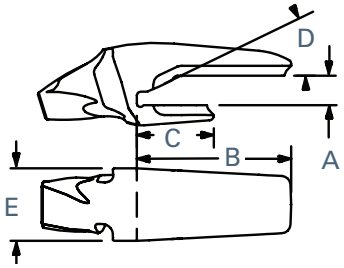


V17 Points

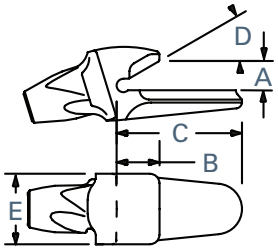
PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V17ST	Penetration Abrasion NCL	139	5.49	35	1.37	4	0.15	65	2.56	1.1	2.4
V17TVY	Twin Pick NCL	155	6.10	61	2.42	9	0.34	65	2.56	1.1	2.5
V17TYL	General Purpose NCL	140	5.52	51	2.00	6	0.25	65	2.56	1.1	2.4
V17VY	Pick NCL	155	6.10	6	0.25	5	0.20	65	2.56	0.9	2.1



Type 1



Type 4



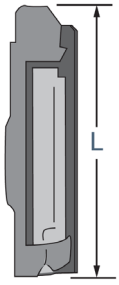
Type 7

V17 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
833-V17	7	Bottom Leg	20	0.79	34	1.34	99	3.89	30	56	2.20	17	2.0	4.4	EXC
8841-V17	4	1-1/2 Top Leg	20	0.79	94	3.69	59	2.31	30	61	2.39	17	2.0	4.4	EXC
8842-V17	4	1-1/2 Top Leg	25	1.00	142	5.58	64	2.50	23	56	2.20	17	2.0	4.4	EXC
Wheel Loader															
8806-V17	1	Flushmount	20	0.79	120	4.74	N/A		25	56	2.20	15	2.0	4.4	FEL

V13-V17 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V13-17PN	Super V Pin	48	1.89	0.04	0.1



V13-17PN

Super V® tooth system - V19



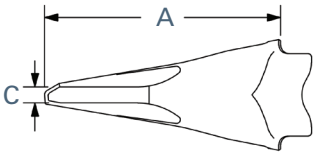
V19AD

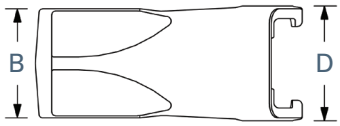


V19SYL



V19TVY







V19TY



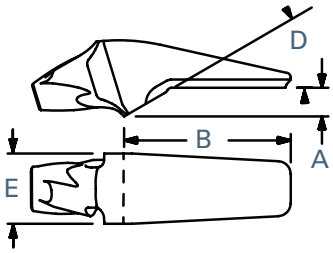
V19TYCE



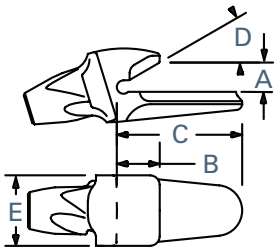
V19VY

V19 Points

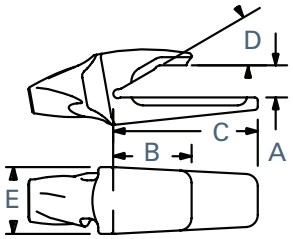
PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V19AD	Abrasion Penetration NCL	173	6.81	39	1.52	19	0.76	80	3.15	3.0	6.6
V19SYL	General Purpose Long CL	165	6.50	64	2.50	13	0.50	80	3.15	2.2	4.8
V19TF	Flare NCL	165	6.50	114	4.50	7	0.26	80	3.15	2.7	6.0
V19TVY	Twin Pick NCL	178	7.00	76	3.00	12	0.47	80	3.15	2.5	5.5
V19TY	General Purpose NCL	165	6.50	64	2.50	7	0.26	80	3.15	2.2	4.8
V19TYCE	Non-Twist GP NCL	165	6.50	64	2.50	7	0.26	80	3.15	2.2	4.9
V19VY	Pick NCL	178	7.00	11	0.42	8	0.31	80	3.15	2.0	4.3



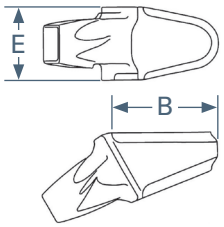
Type 1



Type 7



Type 8

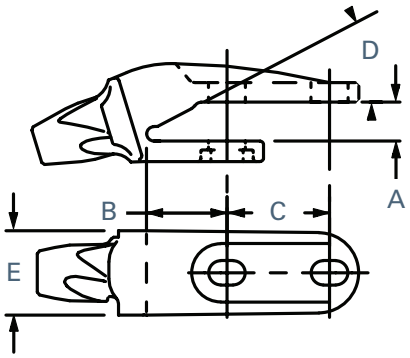


Type 51

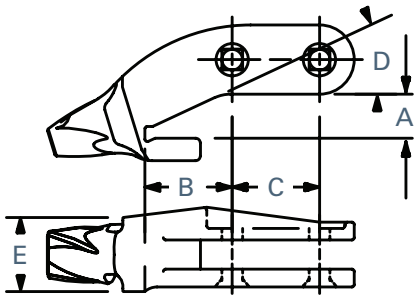
V19 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5854-V19	8	1-1/2 Bottom Leg	25	1.00	79	3.12	165	6.50	30	73	2.88	12	4.1	9.0	EXC
833-V19	7	Bottom Leg	25	1.00	44	1.75	130	5.12	30	73	2.88	17	3.2	7.0	EXC
Wheel Loader															
8802-V19	1	Flushmount	25	1.00	171	6.75	N/A		25	73	2.88	15	4.5	10.0	Volvo L70
Misc															
8872-V19	7	Bottom Leg	25-38	1.50-2.00	35	1.38	180	7.09	45	73	2.88	20	6.0	13.2	Ditcher
8873-V19	7	Bottom Leg	25-38	1.50-2.00	35	1.38	180	7.09	45	73	2.88	33	6.0	13.2	Ditcher
3895-V19	51	Flushmount	N/A		120	4.72	N/A		N/A	73	2.88	30 or 10	3.9	8.5	Reversible Auger or Clamshell

Super V® tooth system - V19



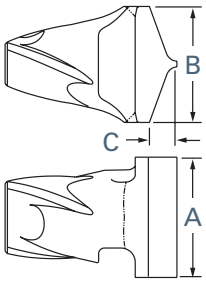
Type 12



Type 23

V19 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb		
8718-V19	12	1-1/2 Leg 2 Bolt	25	1.00	71	2.79	92	3.62	22.8	73	2.88	17	4.5	10	(1) 3/4X3 H (1) 3/4X2-1/2 H	Case 621
8717-V19	23	2 Leg Corner 2 Bolt	25	1.00	72	2.83	95	3.75	22.8	73	2.88	17	6.8	15	(2) 3/4X3 H	Case 621
8716-V19	12	1-1/2 Leg 2 Bolt	32	1.25	70	2.75	89	3.50	27.6	73	2.88	17	4.5	10	(1) 3/4X3 H (1) 3/4X2-1/2 H	Case 721
8707-V19	23	2 Leg Corner 2 Bolt	32	1.25	70	2.75	89	3.50	27.6	73	2.88	17	6.4	14	(2) 3/4X3 H	Case 721



WN-V19

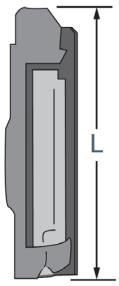
V19 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V19	Weld-on Nose	73	2.88	76	3	19	0.75	1.8	4.0

V19 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V23PN*	Super V Pin	52	2.06	0.5	0.1

**V19 system uses the V23 pin.*



V19PN

Super V® tooth system - V23



V19AD



V23AR



V23S5F



V23SHV



V23SYL



V23TVY



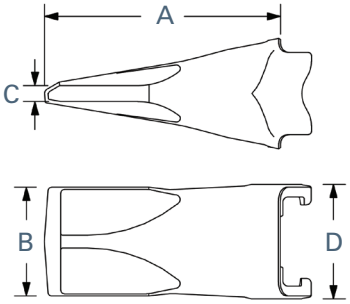
V23TY



V23TYCE



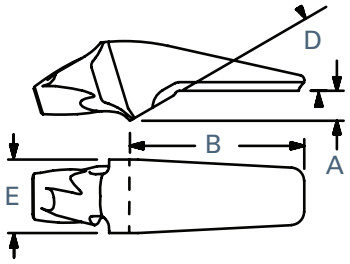
V23VY



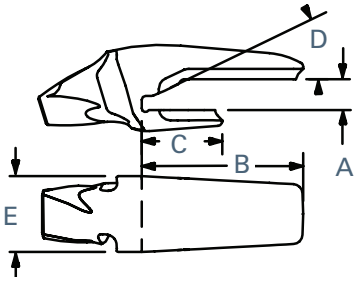
V23 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V23AD	Abrasion Penetration NCL	200	7.87	46	1.81	12	0.47	90	3.54	4.5	10.0
V23AR	Abrasion Rock NCL	197	7.75	104	4.11	26	1.01	90	3.54	5.6	12.4
V23S5F	Flare CL	191	7.50	127	5.00	6	0.25	90	3.54	4.0	8.8
V23SHV	Penetration Abrasion CL	191	7.52	84	3.30	28	1.10	90	3.54	3.9	8.6
V23SYL	General Purpose Long CL	191	7.50	76	3.00	13	0.50	90	3.54	2.9	6.5
V23TVY	Twin Pick NCL	203	8.00	89	3.40	10	0.40	90	3.54	3.4	7.5
V23TY	General Purpose NCL	191	7.50	76	3.00	10	0.40	90	3.54	3.4	7.5
V23TYCE	Non-Twist GP NCL	191	7.50	76	3.00	10	0.40	90	3.54	3.2	7.0
V23VY	Pick NCL	203	8.00	13	0.50	10	0.40	90	3.54	2.8	6.2

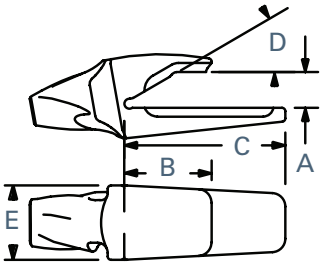
Super V® tooth system - V23



Type 1



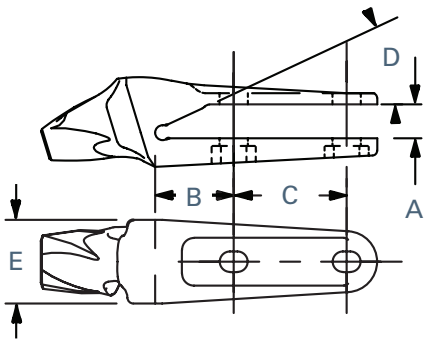
Type 4



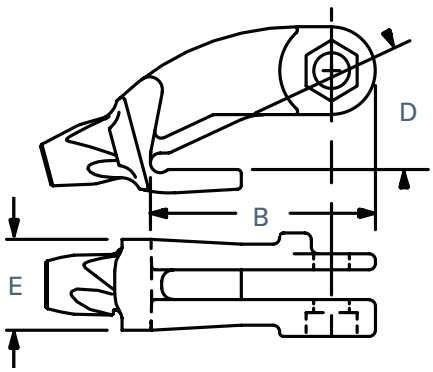
Type 8

V23 Weld-on Adapters

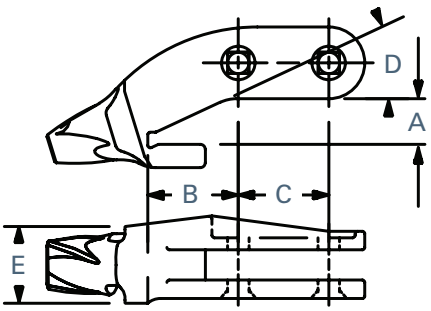
PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5854-V23	8	1-1/2 Bottom Leg	25	1.00	95	3.75	191	7.50	30	89	3.50	12	6.4	14.0	EXC
5849-V23	8	1-1/2 Bottom Leg	32	1.25	95	3.75	191	7.50	30	89	3.50	12	5.9	13.0	EXC
Wheel Loader															
3880-V23	4	1-1/2 Top Leg	32	1.25	178	7.01	89	3.50	30	89	3.50	15	5.9	13.0	FEL
8803-V23	1	Flushmount	32	1.25	191	7.50	NA		25	89	3.50	15	6.8	15.0	Volvo L90
3808-V23	4	1-1/2 Top Leg	35	1.38	178	7.01	89	3.50	30	89	3.50	15	6.4	14.0	FEL
Misc															
8856-V23	8	1-1/2 Bottom Leg	38	1.50	117	4.62	229	9.00	45	89	3.50	20	12.3	27.0	Ditcher
8855-V23	8	1-1/2 Bottom Leg	38	1.50	117	4.62	229	9.00	45	89	3.50	30	15.5	34.0	Ditcher
3895-V23	8	1-1/2 Bottom Leg	38	1.50	117	4.62	229	9.00	45	89	3.50	30	15.5	34.0	Clamshell



Type 16



Type 19



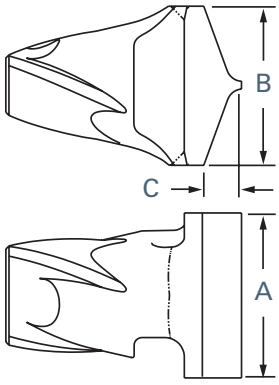
Type 23

V23 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb		
5733A-V23	16	2 Leg 2 Bolt	30	1.18	84	3.41	87	3.41	25	89	3.50	15	8	17	(2) 3/4X3-1/2 H	Volvo L90
8705-V23	16	2 Leg 2 Bolt	32	1.25	114	4.50	114	4.50	22.4	89	3.50	17	9	19	(2) 1X3-3/4 H	Case 721D, 821
8704-V23	23	2 Leg Corner 2 Bolt	32	1.25	114	4.50	114	4.50	22.4	89	3.50	17	10	22	(2) 1X3-1/2 H	Case 821
5774A-V23	19	2 Leg 1 Bolt	35	1.38	N/A		N/A		25	89	3.50	15	11	25	(1) 1-1/4X3-3/4 H	Volvo L120
8720-V23	23	2 Leg Corner 2 Bolt	32	1.25	114	4.50	114	4.50	22.5	92	3.63	17	12	27	(2) 1X3-1/2 H	Case 721
5734A-V23	16	2 Leg 2 Bolt	35	1.38	111	4.38	111	4.38	25	89	3.50	15	9	20	(2) 3/4 X 4 PB^^	Volvo L120

^^ Use with 3/4" x 45 degree tapered nut (item 4240674)

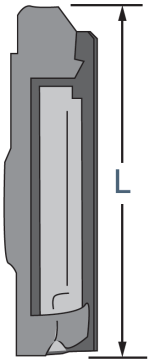
Super V® tooth system - V23



WN-V23

V23 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V23	Weld-on Nose	89	3.50	89	3.50	21	0.83	2.7	6.0



V23PN

V29 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V29PN	Super V Pin	78	3.08	0.12	0.27

Super V® tooth system - V29



V29AD



V29AR



V29RYL



V29S6F



V29SDX



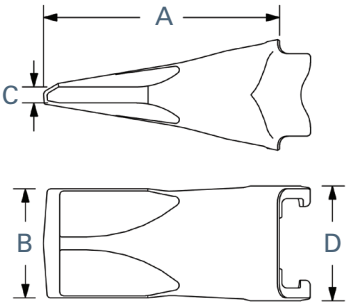
V29SHV



V29SYL



V29TVY/TVYH





V29TYL/TYLCE

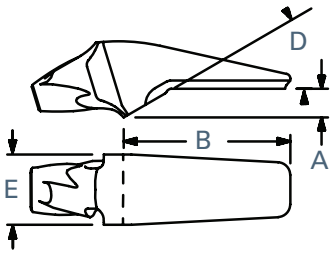


V29VY/VYH

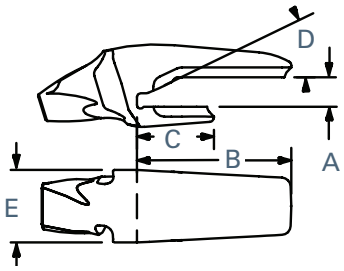
V29 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V29AD	Abrasion Penetration NCL	220	8.68	56	2.20	23	0.90	96	3.78	6	13
V29AR	Abrasion Rock NCL	219	8.62	117	4.62	28	1.10	96	3.78	8	17
V29RYL	Standard Rock CL	191	7.50	89	3.50	20	0.80	96	3.78	4	9
V29S6F	Flare CL	230	9.05	152	6.00	11	0.42	96	3.78	6	14
V29SDX	Chisel Heavy CL	217	8.55	58	2.30	25	1.00	96	3.78	5	11
V29SHV	Penetration Abrasion CL	211	8.30	99	3.90	27	1.05	96	3.78	5	12
V29SYL	General Purpose Long CL	211	8.30	89	3.50	18	0.72	96	3.78	5	10
V29TVY	Twin Pick NCL	243	9.55	105	4.14	17	0.67	96	3.78	5	10
V29TVYH	Twin Pick Heavy NCL	205	8.09	100	3.95	13	0.51	96	3.78	4	9
V29TYL	General Purpose NCL	211	8.30	102	4.00	12	0.48	96	3.78	5	11
V29TYLCE	Non-Twist Long GP NCL	211	8.30	102	4.00	12	0.48	96	3.78	5	11
V29VY	Pick NCL	243	9.55	11	0.42	17	0.67	96	3.78	4	8
V29VYH	Pick Heavy NCL	205	8.09	12	0.49	21	0.84	96	3.78	4	8

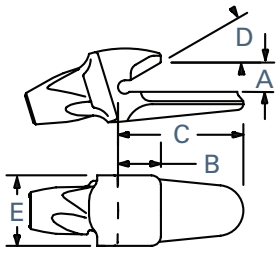
Super V® tooth system - V29



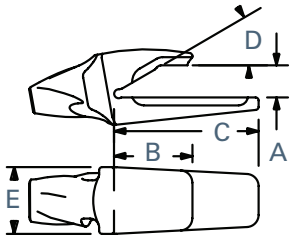
Type 1



Type 4



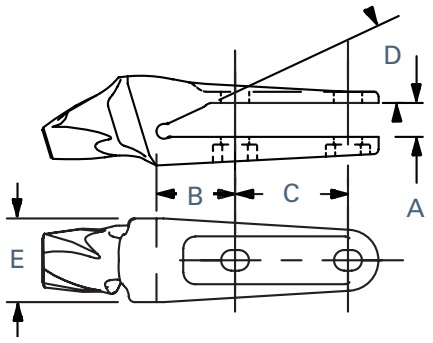
Type 7



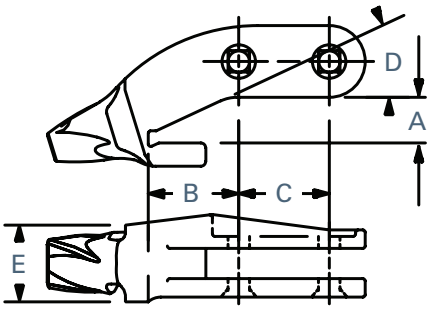
Type 8

V29 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5849-V29	8	1-1/2 Bottom Leg	32	1.25	114	4.50	210	8.25	30	89	3.50	10	8	18	EXC
3871A-V29	7	Bottom Leg	35	1.38	46	1.80	191	7.50	30	89	3.50	10	6	14	EXC
3881A-V29	4	1-1/2 Top Leg	35	1.38	191	7.50	102	4.00	30	89	3.50	10	8	18	EXC
3882A-V29	4	1-1/2 Top Leg	40	1.57	191	7.50	102	4.00	30	89	3.50	10	8	18	EXC
5850-V29	8	1-1/2 Bottom Leg	38	1.50	114	4.50	210	8.25	30	89	3.50	10	8	18	EXC
Wheel Loader															
3829A-V29	1	Flushmount	45	1.75	244	9.60	N/A		22-25	89	3.50	17	9	20	FEL
8831-V29	1	Flushmount	38	1.50	235	9.25	N/A		22-25	89	3.50	17	9	20	FEL



Type 16



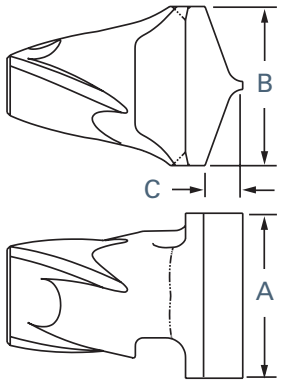
Type 23

V29 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb		
3766A-V29	16	2 Leg 2 Bolt	35	1.38	84	3.29	120	4.72	25	89	3.50	17	8	18	(2) 3/4X3-3/4 H	JCB 436/450
3767-V29	23	2 Leg Corner 2 Bolt	35	1.38	108	4.27	100	3.94	25	89	3.50	17	11	24	(2) 3/4X3 H	JCB 436/450
8701-V29	16	2 Leg 2 Bolt	35	1.38	89	3.50	108	4.25	22.5	102	4.00	17	11	25	(2) 1X3-1/2 H	Case 921
8702-V29	23	2 Leg Corner 2 Bolt	35	1.38	105	4.12	108	4.25	22.5	102	4.00	17	12	27	(2) 1X3-3/4 H	Case 921
8719-V29	16	2 Leg 2 Bolt	38	1.50	116	4.57	100	3.94	25	95	3.75	17	11	24	(2) 1X4 H	Volvo L150/L180
5773-V29	23	2 Leg Corner 2 Bolt	38	1.50	157	6.18	81	3.19	25	95	3.75	17	15	33	(2) 1-1/4X4 PB*	Volvo L150/L180

**Use with 1" x 45 degree tapered nut (item 4429438)*

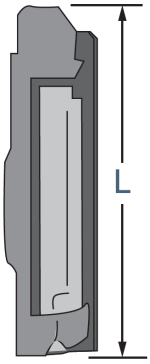
Super V® tooth system - V29



WN-V29

V29 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V29	Weld-on Nose	89	3.50	91	3.57	47	1.85	4	8



V29PN

V29 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V29PN	Super V Pin	78	3.08	0.12	0.27

Super V® tooth system - V33



V33AD



V33AR



V33RYL



V33S7F



V33SDX



V33SHV



V33SYL



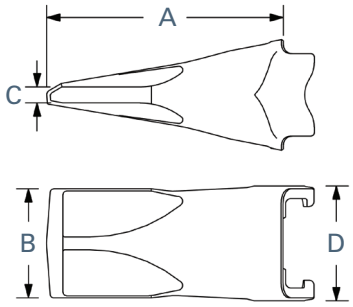
V33TVY/TVYH



V33TYL/TYLCE



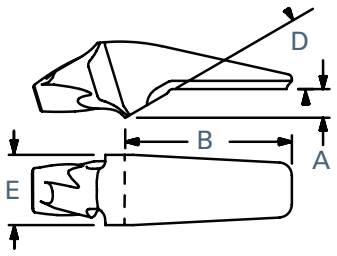
V33VY/VYH



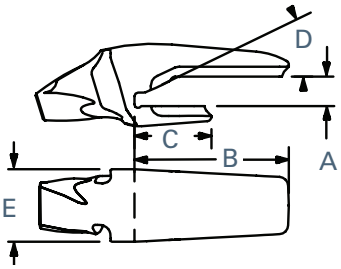
V33 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V33AD	Abrasion Penetration NCL	245	9.66	65	2.55	26	1.01	108	4.25	9	20
V33AR	Abrasion Rock NCL	241	9.50	130	5.12	35	1.38	108	4.25	11	24
V33RYL	Standard Rock CL	209	8.24	102	4.00	23	0.90	108	4.25	6	14
V33S7F	Flare CL	254	10.00	178	7.00	12	0.47	108	4.25	9	20
V33SDX	Chisel Heavy CL	238	9.38	66	2.60	31	1.22	108	4.25	7	15
V33SHV	Penetration Abrasion CL	231	9.10	114	4.50	38	1.51	108	4.25	8	18
V33SYL	General Purpose Long CL	231	9.10	102	4.00	21	0.81	108	4.25	6	14
V33TVY	Twin Pick NCL	264	10.39	116	4.55	20	0.79	108	4.25	6	14
V33TVYH	Twin Pick Heavy NCL	232	9.12	113	4.45	20	0.79	108	4.25	6	13
V33TYL	General Purpose NCL	231	9.10	114	4.50	13	0.52	108	4.25	7	16
V33TYLCE	Non-Twist Long GP NCL	231	9.10	114	4.50	13	0.52	108	4.25	7	15
V33VY	Pick NCL	264	10.39	12	0.49	20	0.79	108	4.25	5	12
V33VYH	Pick Heavy NCL	232	9.12	14	0.56	24	0.95	109	4.30	5	12

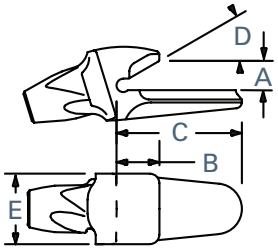
Super V® tooth system - V33



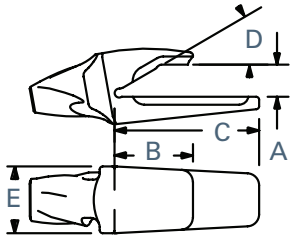
Type 1



Type 4



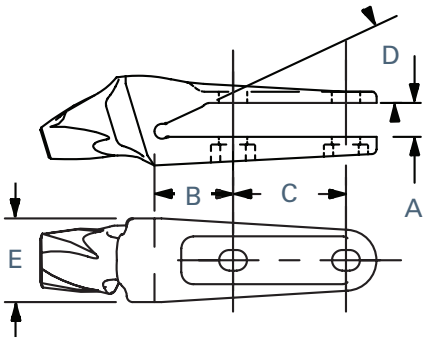
Type 7



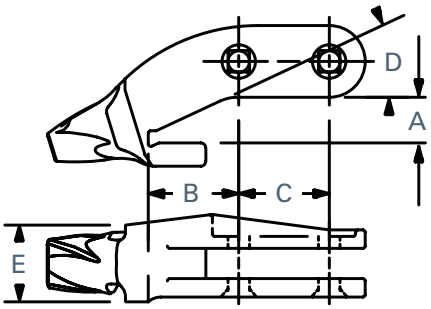
Type 8

V33 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5855-V33	8	1-1/2 Bottom Leg	38	1.50	127	5.00	235	9.25	30	102	4.00	10	11	25	EXC
3882A-V33	4	1-1/2 Top Leg	40	1.57	216	8.50	114	4.50	30	102	4.00	10	11	25	EXC
3872A-V33	7	Bottom Leg	40	1.57	56	2.21	216	8.50	30	102	4.00	10	10	21	EXC
Wheel Loader															
8831-V33	1	Flushmount	40-45	1.50-1.75	235	9.25	N/A		22-25	102	4.00	17	13	28	FEL
3892-V33	1	Flushmount	45-50	1.75-2.00	286	11.25	N/A		22-25	102	4.00	17	15	32	FEL
8832-V33	4	1-1/2 Top Leg	51	2.00	216	8.50	114	4.50	22.5	102	4.00	17	13	28	FEL
Misc															
3802-V33	1	Flushmount	51	2.00	216	8.50	114	4.50	22.5	102	4.00	17	13	28	Clamshell



Type 16

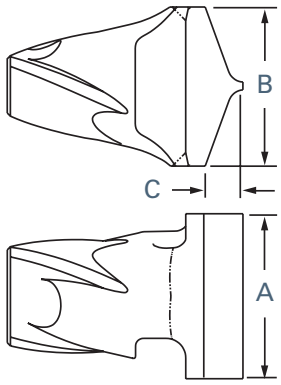


Type 23

V33 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb		
8719-V33	16	2 Leg 2 Bolt	40	1.57	116	4.57	100	3.94	25	95	3.75	17	12	27	(2) 1X4 H	Volvo L220
5773-V33	23	2 Leg Corner 2 Bolt	40	1.57	157	6.18	81	3.19	25	95	3.75	17	17	37	(2) 1X4 H	Volvo L220

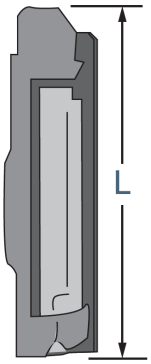
Super V® tooth system - V33



WN-V33

V33 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V33	Weld-on Nose	102	4.00	103	4.05	25	1.00	6	12



V33PN

V33 Pin

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V33PN	Super V Pin	86	3.38	0.12	0.28

Super V® tooth system - V39



V39AD



V39AR



V39RYL



V39S8F



V39SDX



V39SHV



V39SYL



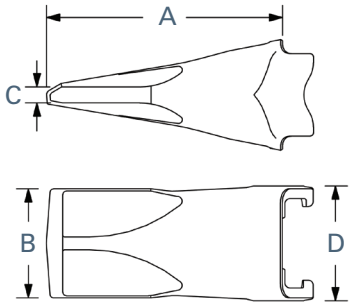
V39TVY/TVYH



V39TYL/TYLCE



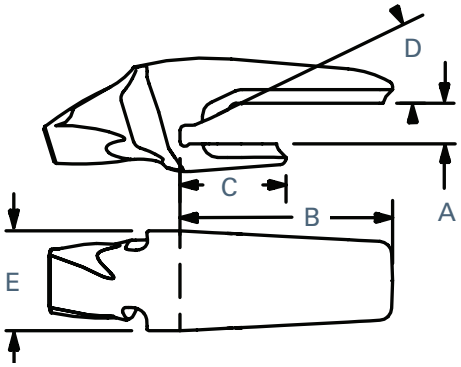
V39VY/VYH



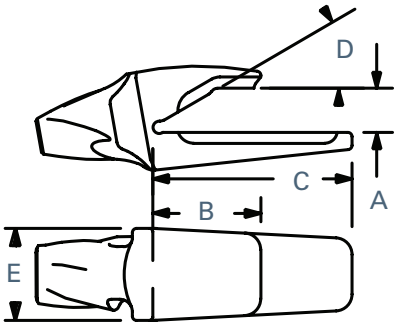
V39 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V39AD	Abrasion Penetration NCL	276	10.88	73	2.88	29	1.14	122	4.80	13	28
V39AR	Abrasion Rock NCL	271	10.68	149	5.86	39	1.52	122	4.80	16	35
V39RYL	Standard Rock CL	229	9.00	121	4.75	25	1.00	122	4.80	9	20
V39S8F	Flare CL	279	11.00	203	8.00	13	0.53	122	4.80	13	28
V39SDX	Chisel Heavy CL	267	10.50	74	2.90	35	1.36	122	4.80	10	22
V39SHV	Penetration Abrasion CL	262	10.31	133	5.25	40	1.57	122	4.80	11	25
V39SYL	General Purpose Long CL	257	10.10	121	4.75	23	0.91	122	4.80	10	21
V39TVY	Twin Pick NCL	297	11.70	130	5.12	18	0.69	122	4.80	10	21
V39TVYH	Twin Pick Heavy NCL	261	10.26	127	5.01	23	0.89	122	4.80	9	19
V39TYL	General Purpose NCL	257	10.10	127	5.00	15	0.60	122	4.80	10	22
V39TYLCE	Non-Twist Long GP NCL	257	10.10	127	5.00	15	0.60	122	4.80	10	22
V39VY	Pick NCL	297	11.70	14	0.55	18	0.69	122	4.80	8	17
V39VYH	Pick Heavy NCL	261	10.26	16	0.63	27	1.06	123	4.84	8	17

Super V® tooth system - V39



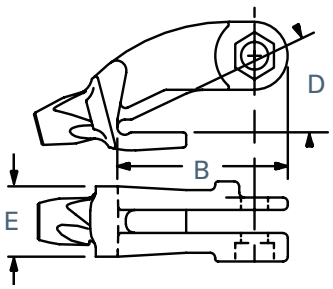
Type 4



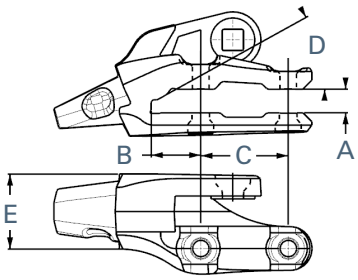
Type 8

V39 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5856-V39	8	1-1/2 Bottom Leg	51	2.00	145	5.70	264	10.38	30	114	4.50	10	16	34	EXC
3810A-V39	4	1-1/2 Top Leg	44	1.75	241	9.50	133	5.25	30	114	4.50	10	14	33	EXC
3882A-V39	4	1-1/2 Top Leg	40	1.50	241	9.50	133	5.25	30	114	4.50	10	16	35	EXC
Wheel Loader															
1837A-V39	4	1-1/2 Top Leg	51	2.00	248	9.75	124	4.88	30	114	4.50	17	18	40	FEL



Type 18



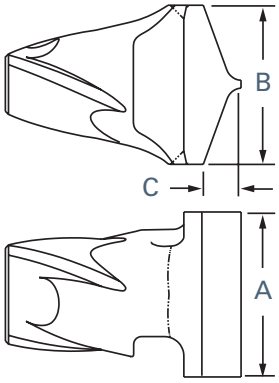
Type 25

V39 Bolt-on Adapters

PMID	Type	Description	Lip Thickness A		1st Bolt Hole B		2nd Bolt Hole C		Ramp Angle D	Width E		Nose Angle	Weight		Bolts (qty) Size (in)	Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb		
5750-V39	18	2 Leg 3 Bolt	40	1.57	150	5.91	150	5.91	29	114	4.50	17	18	40	(3) 1X4-3/4 PB	KOM WA500
5766L-V39, 5766R-V39	25	3 Leg Corner 3 Bolt	40	1.57	150	5.91	150	5.91	29	114	4.50	17	19	42	(1) 1-1/4X4 PB^ (2) 1X5 PB^^	KOM WA500

^ Use with 1-1/4" x 45 degree tapered nut (item 4306309)
^^ Use with 1" x 45 degree tapered nut (item 4429438)

Super V® tooth system - V39



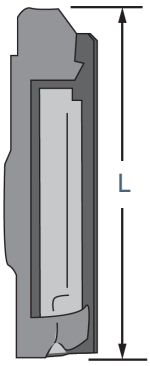
WN-V39

V39 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V39	Weld-on Nose	114	4.50	115	4.54	28	1.12	8	17



V39HPN



V39PN

V39 Pins

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V39HPN	Super V Pin Hot Slag	95	3.73	0.23	0.5
V39PN	Super V Pin	95	3.73	0.17	0.4

Super V® tooth system - V43



V43AD/ADH (not shown)



V43AR/ARH



V43RYL



V43S9F



V43SDX



V43SHV



V43SYL



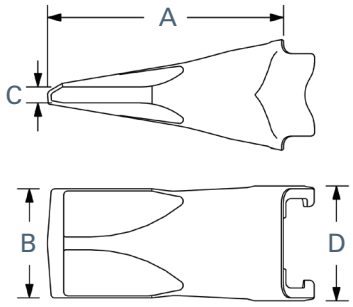
V43TVY/TVYH



V43TYL/TYLCE



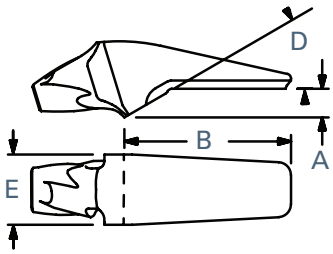
V43VY/VYH



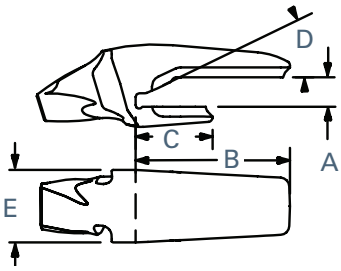
V43 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V43AD	Abrasion Penetration NCL	308	12.12	82	3.21	33	1.28	137	5.39	18	39
V43ADH	Abrasion Penetration Heavy NCL	308	12.12	82	3.21	33	1.28	137	5.39	24	52
V43AR	Abrasion Rock NCL	297	11.71	165	6.50	46	1.80	137	5.39	22	48
V43ARH	Abrasion Rock Heavy NCL	297	11.71	165	6.50	51	2.00	137	5.39	25	56
V43RYL	Standard Rock CL	254	10.00	127	5.00	29	1.16	137	5.39	12	27
V43S9F	Flare CL	312	12.30	229	9.00	14	0.56	137	5.39	18	39
V43SDX	Chisel Heavy CL	293	11.53	83	3.25	14	0.57	137	5.39	14	30
V43SHV	Penetration Abrasion CL	293	11.53	143	5.62	48	1.89	137	5.39	16	35
V43SYL	General Purpose Long CL	286	11.25	127	5.00	24	0.95	137	5.39	13	29
V43TVY	Twin Pick NCL	327	12.88	143	5.62	18	0.71	137	5.39	13	29
V43TVYH	Twin Pick Heavy NCL	290	11.43	142	5.59	18	0.71	137	5.39	12	27
V43TYL	General Purpose NCL	286	11.25	140	5.50	18	0.69	137	5.39	14	30
V43TYLCE	Non-Twist Long GP NCL	286	11.25	140	5.50	18	0.69	137	5.39	14	30
V43VY	Pick NCL	327	12.88	16	0.62	18	0.71	137	5.39	11	24
V43VYH	Pick Heavy NCL	290	11.43	18	0.70	20	0.78	137	5.39	11	25

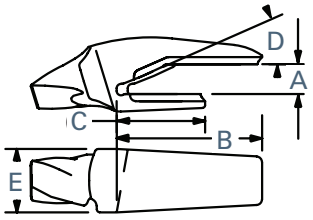
Super V® tooth system - V43



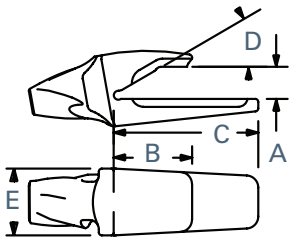
Type 1



Type 4



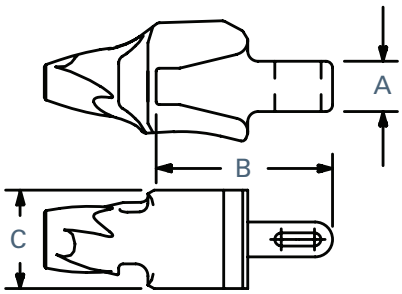
Type 5



Type 8

V43 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5856-V43	8	1-1/2 Bottom Leg	51	2.00	152	6.00	279	11.00	30	133	5.25	10	22	48	EXC
8801-V43	4	1-1/2 Top Leg	51	2.00	267	10.50	146	5.75	30	133	5.25	10	22	48	EXC
Wheel Loader															
1810-V43	4	1-1/2 Top Leg	51	2.00	279	11.00	175	6.88	22-25	133	5.25	17	26	57	FEL
1810L-V43, 1810R-V43	5	1-1/2 Top Leg Spade	51	2.00	279	11.00	175	6.88	22-25	133	5.25	17	27	60	FEL
3892-V43	1	Flushmount	51	2.00	321	12.64	N/A		22	133	5.25	17	25	55	FEL
5840L-V43, 5840R-V43	5	1-1/2 Top Leg Spade	51	2.00	279	11.00	175	6.88	30	133	5.25	17	27	59	FEL
1828LB-V43, 1828RB-V43	5	1-1/2 Top Leg Spade	64	2.50	267	10.50	133	5.25	30	133	5.25	17	24	53	FEL
1829B-V43	4	1-1/2 Top Leg	64	2.50	267	10.50	133	5.25	30	133	5.25	17	23	51	FEL

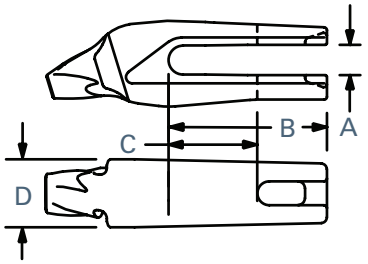


Type 31

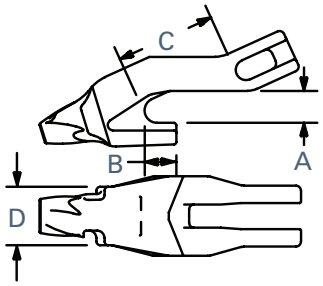
V43 Horn Style Adapter

PMID	Type	Description	Shank Height A		Shank Length B		Width C		Weight		Spool ID	Wedge ID	Lip Series	Machine Type
			mm	in	mm	in	mm	in	kg	lb				
129A-V43	31	Horn Style	64	2.50	218	8.59	127	5.00	20	44	29SP	29W1, 29W2 OR 29W3	C29	Backhoe

Super V® tooth system - V43



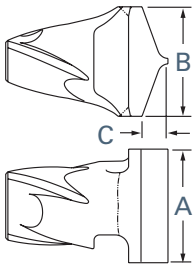
Type 28



Type 29

V43 Zipper Lip Adapters

PMID	Type	Description	Nose Angle	Leg Opening A		Bottom Leg B		Width C		Wedge Slot D		Weight		C-Clamp ID	Wedge ID	Lip Series
				mm	in	mm	in	mm	in	mm	in	kg	lb			
414B-V43	28	Zipper Lip 2 Leg	17	57	2.25	329	12.94	140	5.50	192	7.57	44	96	R414CL	R414W	50R, 126R
415B-V43	29	Zipper Lip 2 Leg Corner	17	57	2.25	77	3.02	140	5.50	259	10.20	47	102	R414CL	R414W	50R, 126R



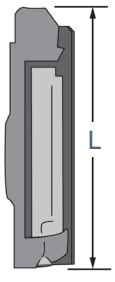
WN-V43

V43 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V43	Weld-on Nose	133	5.25	129	5.06	30	1.20	11	23



V43HPN



V43PN

V43 Pins

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V43HPN	Super V Pin Hot Slag	105	4.13	0.34	0.75
V43PN	Super V Pin	105	4.13	0.23	0.51

Super V® tooth system - V51



V51AD



V51AR/ARH



V51RYL



V51S10F



V51SD



V51SDX



V51SHV



V51SYL



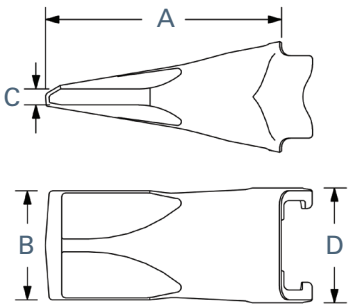
V51TVY



V51TVYH



V51TYL





V51VY

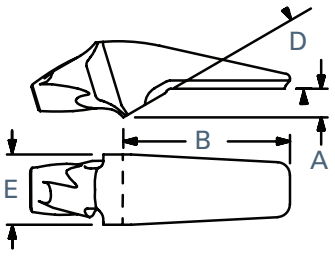


V51VYH

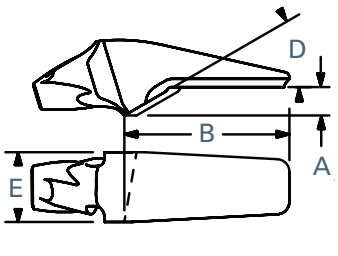
V51 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V51AD	Abrasion Penetration NCL	330	13.00	92	3.62	38	1.48	150	5.91	22	48
V51AG	Abrasion Heavy NCL	321	12.62	165	6.50	43	1.70	150	5.91	22	48
V51AR	Abrasion Rock NCL	330	13.00	184	7.25	48	1.88	150	5.91	28	61
V51ARH	Abrasion Rock Heavy NCL	330	13.00	184	7.25	57	2.25	155	6.12	34	75
V51DLS	Dragline Special NCL	270	10.62	152	6.00	41	1.61	150	5.91	17	38
V51RYL	Standard Rock CL	279	11.00	140	5.50	30	1.20	150	5.91	16	34
V51S10F	Flare CL	347	13.68	254	10.00	21	0.83	150	5.91	23	50
V51SD	Chisel CL	334	13.20	79	3.12	23	0.90	150	5.91	17	37
V51SDX	Chisel Heavy CL	324	12.75	98	3.85	43	1.70	150	5.91	19	41
V51SHV	Penetration Abrasion CL	326	12.82	159	6.25	54	2.12	150	5.91	22	48
V51SYL	General Purpose Long CL	307	12.10	140	5.50	25	1.00	150	5.91	16	35
V51TVY	Twin Pick NCL	356	14.00	159	6.25	21	0.83	150	5.91	16	35
V51TVYH	Twin Pick Heavy NCL	322	12.69	158	6.21	29	1.16	149	5.88	17	37
V51TYL	General Purpose NCL	307	12.07	152	6.00	17	0.66	150	5.91	19	42
V51VY	Pick NCL	356	14.00	19	0.73	21	0.83	150	5.91	13	29
V51VYH	Pick Heavy NCL	322	12.69	20	0.78	33	1.28	149	5.88	15	33

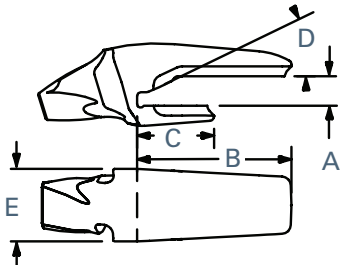
Super V® tooth system - V51



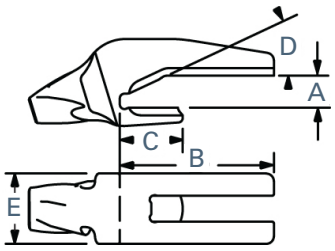
Type 1



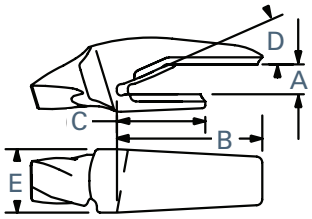
Type 2



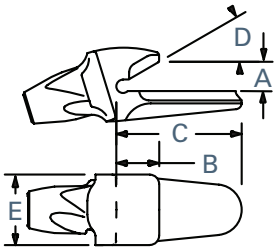
Type 4



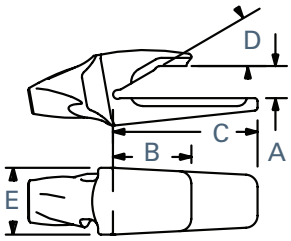
Type 4CN



Type 5



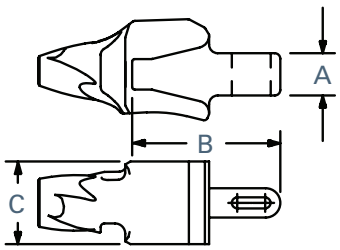
Type 7



Type 8

V51 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5857A-V51	8	1-1/2 Bottom Leg	64	2.50	164	6.44	302	11.88	30	140	5.50	10	27	61	EXC
8801-V51	4	1-1/2 Top Leg	51	2.00	299	11.78	153	6.03	30	140	5.50	10	27	60	EXC
3811-V51	4	1-1/2 Top Leg	60	2.38	299	11.78	153	6.03	30	140	5.50	10	28	62	EXC
3858-V51	4	1-1/2 Top Leg	70	2.75	299	11.78	153	6.03	30	140	5.50	10	29	64	EXC Demag H55
Wheel Loader															
4831A-V51	10	2 Leg	51	2.00	330	13.00	330	13.00	38	140	5.50	17	40	88	Hot Slag
1852-V51	1	Flushmount	57	2.25	314	12.37	N/A		30	140	5.50	17	31	70	FEL
1853LA-V51, 1853RA-V51	2	Flushmount Spade	57	2.25	315	12.42	N/A		30	140	5.50	17	33	73	FEL
5870A-V51	4CN	1-1/2 Top Leg Straddle/Corner	64	2.50	318	12.50	128	5.03	25	146	5.75	17	36	78	FEL
8813A-V51	4	1-1/2 Top Leg	64	2.50	320	12.61	195	7.68	22-25	140	5.50	17	33	72	FEL
8813LA-V51, 8813RA-V51	5	1-1/2 Top Leg Spade	64	2.50	320	12.61	195	7.68	22-25	140	5.50	17	33	73	FEL
Misc															
8871-V51	7	Bottom Leg	95	3.75	89	3.5	275	10.83	38.6	140	5.50	11.3	27	60	Bucket Wheel



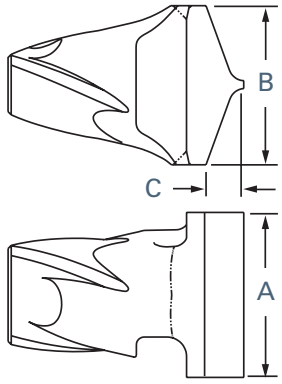
Type 31

V51 Horn Style Adapter

PMID	Type	Description	Shank Height A		Shank Length B		Width C		Weight		Spool ID	Wedge ID	Lip Series	Machine Type
			mm	in	mm	in	mm	in	kg	lb				
158-V51	31	Horn Style	78	3.06	255	10.05	152	6.00	35	76	58SPB	58W1 OR 58W2	C58	Backhoe

<< CONTENTS

Super V® tooth system - V51



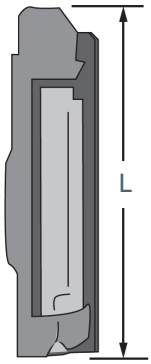
WN-V39

V51 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V51	Weld-on Nose	140	5.50	165	6.50	37	1.47	16	34



Super V pin hot slag



Super V pin

V51 Pins

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V51HPN	Super V Pin Hot Slag	111	4.38	0.41	0.90
V51PN	Super V Pin	111	4.38	0.43	0.94

Super V® tooth system - V59



V59AD



V59AR/ARH



V59RYL



V59SD



V59SDX



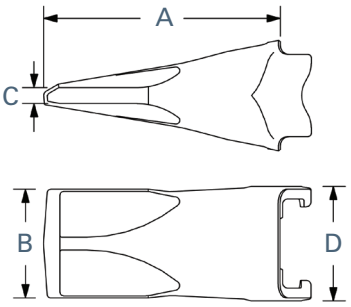
V59SHV



V59SYL



V59TVY





V59TVYH



V59TYL

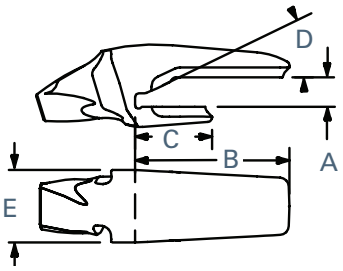


V59VY/VYH

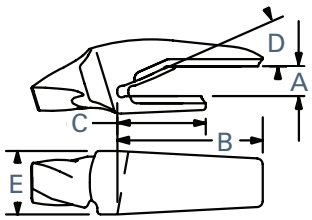
V59 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width At Ears D		Weight	
		mm	in	mm	in	mm	in	mm	in	kg	lb
V59AD	Abrasion Penetration NCL	348	13.70	102	4.00	38	1.50	164	6.46	27	60
V59AG	Abrasion Heavy NCL	348	13.70	179	7.06	51	2.00	164	6.46	29	63
V59AR	Abrasion Rock NCL	359	14.12	200	7.88	51	2.00	164	6.46	37	82
V59ARH	Abrasion Rock Heavy NCL	359	14.12	200	7.88	60	2.38	164	6.46	45	98
V59DLS	Dragline Special NCL	295	11.60	165	6.50	43	1.69	164	6.46	21	46
V59LP	Long Panel Abrasion CL	333	13.10	162	6.38	37	1.44	164	6.46	21	47
V59RYL	Standard Rock CL	303	11.94	152	6.00	33	1.30	164	6.46	20	45
V59SD	Chisel CL	356	14.00	83	3.25	25	1.00	164	6.46	20	45
V59SDX	Chisel Heavy CL	352	13.85	102	4.00	47	1.85	164	6.46	23	50
V59SHV	Penetration Abrasion CL	354	13.93	173	6.80	58	2.30	164	6.46	29	63
V59SYL	General Purpose Long CL	333	13.10	152	6.00	27	1.08	164	6.46	20	45
V59TVY	Twin Pick NCL	381	15.00	171	6.75	22	0.85	164	6.46	22	49
V59TVYH	Twin Pick Heavy NCL	350	13.78	171	6.74	31	1.24	164	6.46	21	47
V59TYL	General Purpose NCL	333	13.10	165	6.50	18	0.71	164	6.46	24	52
V59VY	Pick NCL	381	15.00	19	0.75	22	0.85	164	6.46	19	42
V59VYH	Pick Heavy NCL	350	13.78	21	0.84	36	1.42	164	6.46	19	42

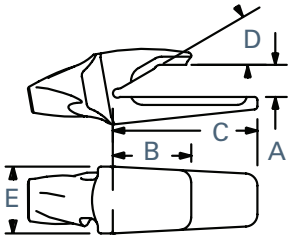
Super V® tooth system - V59



Type 4



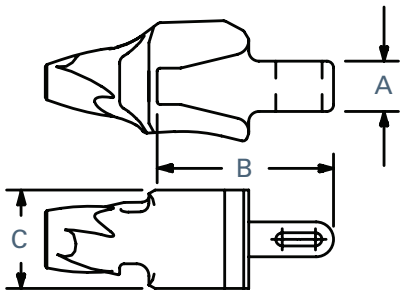
Type 5



Type 8

V59 Weld-on Adapters

PMID	Type	Description	Lip Thickness A		Top Leg B		Bottom Leg C		Ramp Angle D	Width E		Nose Angle	Weight		Machine Type
			mm	in	mm	in	mm	in		mm	in		kg	lb	
Excavator															
5857A-V59	8	1-1/2 Bottom Leg	64	2.50	176	6.94	325	12.81	30	152	6.00	10	36	79	EXC
3858-V59	4	1-1/2 Top Leg	70	2.75	330	13.00	168	6.62	30	152	6.00	10	38	84	EXC
3811-V59	4	1-1/2 Top Leg	64	2.50	330	13.00	168	6.62	30	152	6.00	10	29	64	EXC
Wheel Loader															
1828LB-V59, 1828RB-V59	5	1-1/2 Top Leg Spade	64	2.50	343	13.50	216	8.50	30	152	6.00	17	43	95	FEL
1829B-V59	4	1-1/2 Top Leg	64	2.50	343	13.50	216	8.50	30	152	6.00	17	19.1	92	FEL

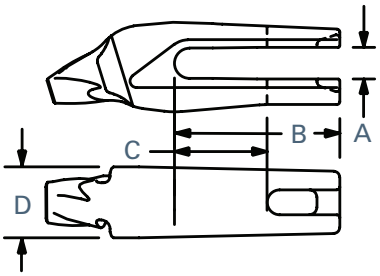


Type 31

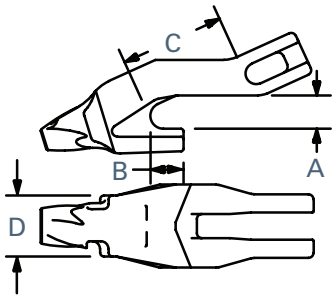
V59 Horn Style Adapter

PMID	Type	Description	Shank Height A		Shank Length B		Width C		Weight		Spool ID	Wedge ID	Lip Series	Machine Type
			mm	in	mm	in	mm	in	kg	lb				
158-V59	31	Horn Style	78	3.06	255	10.05	152	6.00	37	82	58SPB	58W1 OR 58W2	C58	Backhoe

Super V® tooth system - V59



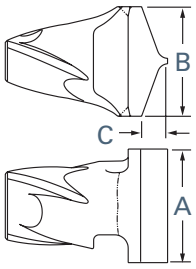
Type 28



Type 29

V59 Zipper Lip Adapters

PMID	Type	Description	Nose Angle	Leg Opening A		Bottom Leg B		Width C		Wedge Slot D		Weight		C-Clamp ID	Wedge ID	Lip Series
				mm	in	mm	in	mm	in	mm	in	kg	lb			
445B-V59	29	Zipper Lip 2 Leg Corner	17	64	2.50	83	3.27	152	6.00	260	10.25	33	162	R418CL	R414W	60R, 160R
444B-V59	28	Zipper Lip 2 Leg	17	64	2.50	356	14.00	152	6.00	199	7.84	66	145	R418CL	R414W	60R, 160R



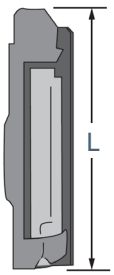
WN-V59

V59 Weld-on Nose

PMID	Description	Width A		Height B		J-Groove C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-V59	Weld-on Nose	152	6.00	178	7.00	39	1.54	20	43



V59HPN



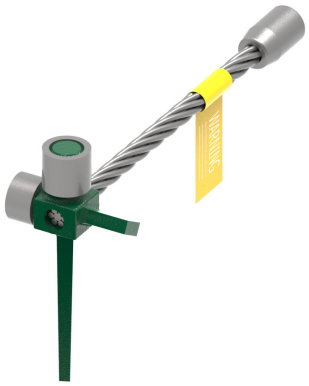
V59PN

V59 Pins

PMID	Description	Length A		Weight	
		mm	in	kg	lb
V59HPN	Super V Pin Hot Slag	121	4.75	0.46	1.02
V59PN	Super V Pin	121	4.75	0.47	1.03

<< CONTENTS

Super V® removal tools



Pin removal tool

Super V® Removal Tools

PMID	Description	Weight	
		kg	lb
V13-V33RT-1	Pin Removal Tool	2.0	4.3
V39-V61RT-1	Pin Removal Tool	2.6	5.6

MaxDRP™ Plus replacement teeth for J-Series

Designed for safety and ease of use, ESCO's MaxDRP Plus system utilizes a standard wrench on a unique hammerless pin and collar locking system. Caterpillar® J-Series style assemblies for excavators and wheel loaders are easily converted to MaxDRP Plus teeth with no modification to the existing adapter. In addition, ESCO® alloys and enhanced point profiles provide exceptional performance.

MaxDRP Plus replacement teeth provide up to 25% longer wear life than OEM teeth. Optimized point shapes improve penetration with a higher percentage of wear metal with less throwaway weight.

MaxDRP Plus benefits

- Hammerless lock for easier and safer point replacement
- Slimmer point profile improves loading and wear life
- Reusable locking system reduces inventory, saves money
- No change to adapter or special tool required

Available in a broad range of sizes and select point shapes, MaxDRP Plus teeth can be installed on existing J-Series adapters with no modification.





AP – Abrasion point



C – Chisel



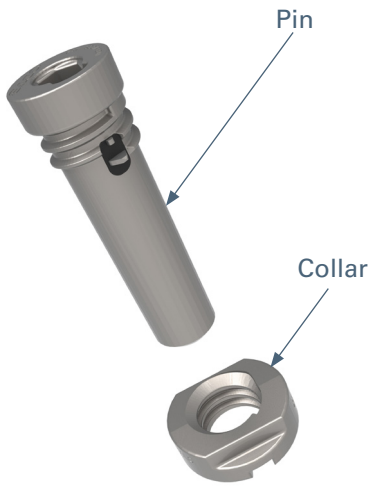
P – Pick



S – Standard Point



T – Twin Pick



MaxDRP™ Plus hammerless locking system

MaxDRP™ Plus tooth system for CAT J-Series

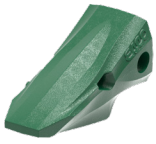
Hammerless J-Series style points



Standard



Chisel



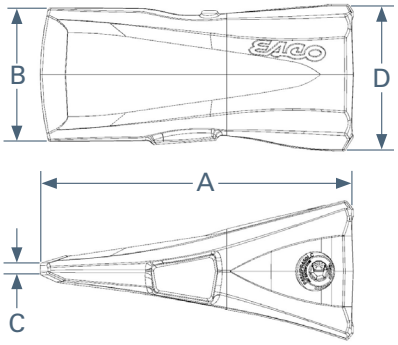
Abrasion penetration



Pick



Twin Pick



J450 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
P450S	Standard	305	11.99	130	5.10	11	0.42	141	5.57	12	27	P450LPN	P450LC
P450C	Chisel	337	13.27	55	2.18	9	0.37	141	5.56	14	32	P450LPN	P450LC
P450P	Pick	354	13.93	19	0.75	15	0.58	142	5.59	11	23	P450LPN	P450LC
P450T	Twin Pick	353	13.91	180	7.07	16	0.63	143	5.63	14	30	P450LPN	P450LC
P450AP	Abrasion Penetration	352	13.86	72	2.82	18	0.72	144	5.67	21	46	P450LPN	P450LC

J550 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
P550S	Standard	358	14.09	152	5.99	13	0.52	167	6.59	20	44	P550LPN	P550/PR450LC
P550C	Chisel	421	16.57	71	2.78	19	0.75	168	6.60	22	49	P550LPN	P550/PR450LC
P550P	Pick	406	15.97	23	0.89	17	0.65	166	6.55	17	37	P550LPN	P550/PR450LC
P550T	Twin Pick	406	15.98	204	8.03	18	0.71	167	6.57	21	46	P550LPN	P550/PR450LC
P550AP	Abrasion Penetration	409	16.12	84	3.29	21	0.81	169	6.67	34	76	P550LPN	P550/PR450LC

J600 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
P600C	Chisel	465	18.31	88	3.48	20	0.80	209	8.22	44	96	P600LPN	P600LC
P600AP	Abrasion Penetration	486	19.13	104	4.08	21	0.82	207	8.16	61	135	P600LPN	P600LC

J700 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
P700C	Chisel	494	19.43	92	3.63	21	0.82	219	8.63	51	112	P700LPN	P700/PR500LC
P700AP	Abrasion Penetration	514	20.23	110	4.32	22	0.85	216	8.52	71	155	P700LPN	P700/PR500LC

J800 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
P800C	Chisel	584	23.00	110	4.32	23	0.91	255	10.03	81	179	P800LPN	P800/PR550LC
P800APL	Abrasion Penetration	549	21.63	157	6.20	21	0.81	257	10.13	92	202	P800LPN	P800/PR550LC

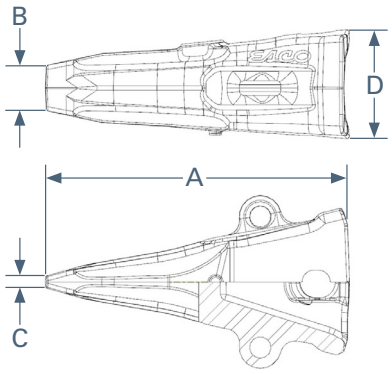
<< CONTENTS

MaxDRP™ Plus tooth system for CAT J-Series

Hammerless R-Series style points



PR450P



R450 Ripper Point

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
PR450P	Penetration	424	16.69	72	2.83	19	0.75	139	5.47	20	44	PR450LPN	P550/PR450LC



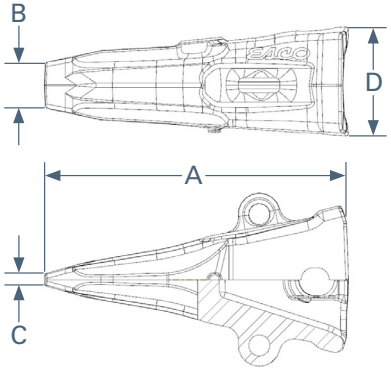
PR500C



PR500P



PR500PS



R500 Ripper Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
PR500C	Centerline	457	18.00	64	2.52	19	0.74	165	6.49	28	62	PR500LPN	PR500LC
PR500P	Penetration	434	17.09	86	3.39	9	0.35	166	6.54	28	62	PR500LPN	PR500LC
PR500PS	Penetration Short	393	15.47	81	3.19	6	0.24	166	6.54	55	121	PR500LPN	PR500LC

MaxDRP™ Plus tooth system for CAT R-Series rippers



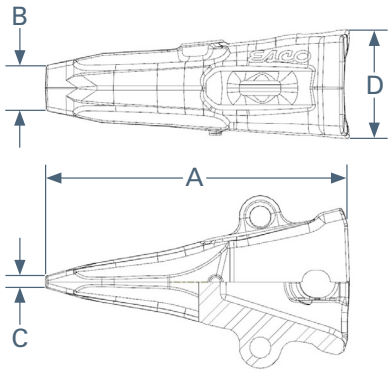
PR550C



PR550P



PR550PS



R550 Ripper Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Collar
		mm	in	mm	in	mm	in	mm	in	kg	lb		
PR550C	Centerline	554	21.81	78	3.07	20	0.79	184	7.24	57	126	PR550LPN	P800/PR550LC
PR550P	Penetration	547	21.54	88	3.46	14	0.55	183	7.20	55	121	PR550LPN	P800/PR550LC
PR550PS	Penetration Short	496	19.53	106	4.17	11	0.43	183	7.20	49	107	PR550LPN	P800/PR550LC



PR450-SH75

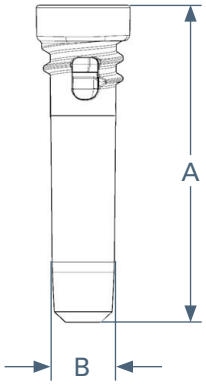
Shank Protectors

PMID	Description	Length		Inside Width		Outside Width		Weight		Pin	Collar	Lower Pin
		mm	in	mm	in	mm	in	kg	lb			
PR450-SH75	Shank Protector	493	19.40	78	3.06	131	5.16	23	50	PR450LPN	P550/PR450LC	R450LPN2
PR500-SH90	Shank Protector	582	22.91	91	3.58	163	6.43	43	95	PR500LPN	P700/PR500LC	R500LPN2
PR500-SH100	Shank Protector	582	22.91	103	4.04	165	6.48	44	96	PR500LPN	P700/PR500LC	R500LPN2
PR550-SH110	Shank Protector	835	32.86	113	4.43	172	6.76	78	173	PR550LPN	P800/PR550LC	R550LPN2

MaxDRP™ Plus fasteners



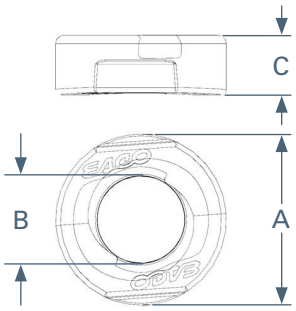
MaxDRP Plus pin



MaxDRP Plus J-Series/R-Series Pins

PMID	Length A		Diameter B		Weight		Nose Size
	mm	in	mm	in	kg	lb	
J-Series Pins							
P450LPN	133	5.22	25	1.00	0.50	1.1	J450
P550LPN	159	6.26	25	1.00	0.57	1.3	J550
P600LPN	190	7.46	31	1.20	1.0	2.2	J600
P700LPN	197	7.74	33	1.30	1.2	2.7	J700
P800LPN	222	8.72	35	1.36	1.5	3.3	J800
R-Series Ripper Pins							
PR450LPN	121	4.78	25	0.97	0.44	1.0	R450
PR500LPN	143	5.63	33	1.30	0.91	2.0	R500
PR550LPN	153	6.00	35	1.36	1.1	2.4	R550



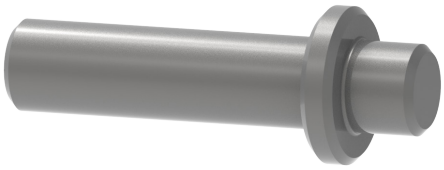


MaxDRP Plus collar

MaxDRP Plus J-Series and R-Series Collars

PMID	Outside Diameter A		Inside Diameter B		Thickness C		Weight		Nose Size (J-Series/R-Series)
	mm	in	mm	in	mm	in	kg	lb	
P450LC	44	1.73	26	1.03	18	0.71	0.11	0.24	J450
P550/PR450LC	52	2.03	26	1.03	18	0.71	0.17	0.37	J550/R450
P600LC	56	2.20	32	1.26	23	0.91	0.24	0.53	J600
P700/PR500LC	68	2.68	35	1.36	22	0.85	0.40	0.88	J700/R500
P800/PR550LC	73	2.85	36	1.43	22	0.85	0.46	1.01	J800/R550

MaxDRP™ Plus fasteners



MaxDRP Plus lower pin for the ripper shank protector

MaxDRP Plus Lower Pin for Ripper Shank Protector

PMID	Length		Diameter		Weight		Nose Size
	mm	in	mm	in	kg	lb	
PR450LPN2	121	4.41	24	0.93	0.44	1.0	R450
PR500LPN2	152	5.98	32	1.26	1.0	2.3	R500
PR550LPN2	162	6.38	34	1.34	1.3	2.8	R550

MaxDRP™ OEM replacement components

In today's competitive environment, operations are looking for solutions to increase production with lower costs. Achieving these goals by investing in new equipment or upgrades may not be an option due to high cost or time constraints. They need solutions using their current equipment.

ESCO® developed the MaxDRP line of wear parts to meet this challenge. MaxDRP products are engineered and manufactured to the same exacting standards as other ESCO systems to deliver exceptional performance.

MaxDRP products are direct replacements for OEM versions but provide increased wear life and superior reliability. Specify MaxDRP replacement parts from ESCO to be more productive with lower operating costs.



More customer value

- Improved production and reliability
- Enhanced machine performance
- Lower maintenance costs



AHL – Heavy abrasion



APL – Abrasion penetration



CPE – Chisel penetration



SPE – Sharp penetration



STE – Standard excavator



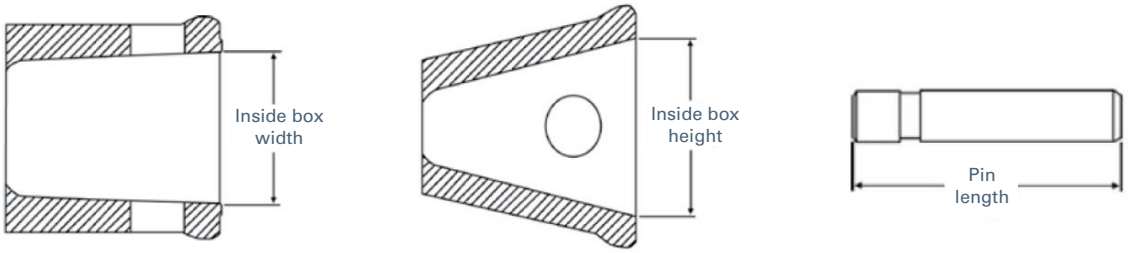
STL – Standard loader



TPE – Twin pick penetration

MaxDRP™ and MaxDRP™ Plus tooth system - point identification

When a point is worn, the exterior markings can be worn away as well. MaxDRP and MaxDRP Plus points typically include the system size cast inside the point box to ensure the correct replacement size is selected. If the system size is missing or illegible, the following illustrations and charts provide details on measuring worn parts to identify the correct replacement size needed.



CAT J-Series Style Identification Chart

Nose Size	Inside Box Width		Inside Box Height		Pin Length	
	mm	in	mm	in	mm	in
J200	39	1.54	44	1.73	59	2.31
J225	46	1.81	57	2.26	64	2.51
J250	53	2.08	65	2.57	80	3.13
J300	64	2.50	73	2.89	92	3.63
J350	73	2.87	80	3.16	108	4.25
J400	87	3.41	90	3.53	117	4.63
J450/J460	98	3.84	97	3.83	133	5.25
J550	118	4.65	107	4.21	162	6.38
J600	145	5.72	128	5.02	194	7.63
J700	150	5.89	138	5.43	194	7.63
J800	172	6.77	178	7.00	241	9.50

Komatsu/Volvo Style Identification Chart

Nose Size	Inside Box Width		Inside Box Height		Pin Length	
	mm	in	mm	in	mm	in
KOM200	71	2.79	74	2.91	105	4.13
VOL210	74	2.91	78	3.08	105	4.13
KOM300	92	3.64	80	3.14	118	4.65
VOL360	104	4.09	103	4.06	148	5.83
KOM400	108	4.25	88	3.47	146	5.75
KOM650	130	5.11	130	5.11	176	6.93

Cat Ripper Style Identification Chart

Nose Size	Inside Box Width		Inside Box Height		Pin Length	
	mm	in	mm	in	mm	in
R300	59	2.31	82	3.22	87	3.44
R350	73	2.88	109	4.28	108	4.25
R450	83	3.28	125	4.93	125	4.94
R500	104	4.10	171	6.74	142	5.63
R550	116	4.57	206	8.11	153	6.03

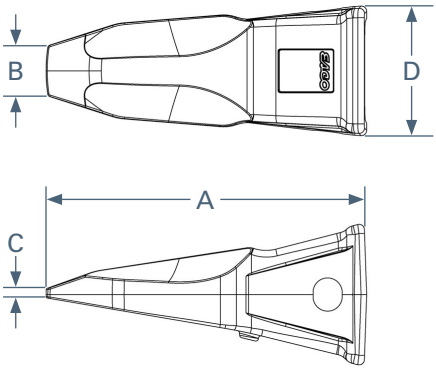
MaxDRP™ CAT style J-Series offering and cross reference guide

Nose	Brand	Excavator Short	Excavator Long	Excavator Penetration	EXC / FEL HD Long	EXC / FEL Pick	EXC / FEL Twin Pick	FEL Wide	FEL Abrasion	FEL HD Abrasion	FEL HD Penetration
J200	**ESCO MaxDRP**	-	-	**200CPE**	-	-	-	-	-	-	-
	CAT	1U3201	1U3202	1U3209	-	9W8209	135-8208	109-9200	4T2203	-	-
H&L 230	**ESCO MaxDRP**	-	**230S**	**230CPE**	-	**230SPE**	**230TPE**	-	-	-	-
	H&L	-	230CSP	230CST	-	230THD	230CTT	230CF	-	-	-
J250	**ESCO MaxDRP**	-	**250STE**	**250CPE**	**250STL**	-	-	-	-	-	-
	CAT	1U3251	1U3252	9J4259	9N4252	9W8259	135-8258	208-5254	4T2253	9N4253	-
J300	**ESCO MaxDRP**	-	**300STE**	**300CPE**	**300STL**	**300SPE**	**300TPE**	**350FLE**	**300AHL**	**300AHL**	**300APL**
	CAT	1U3301	1U3302	9J4309	9N4302	9W8309	135-9308	107-3300	4T2303	9N4303	135-9300
J350	**ESCO MaxDRP**	**350RY**	**350STE**	**300CPE**	-	**350SPE**	**350TPE**	-	**350AHL**	**350AHL**	**350APL**
	CAT	1U3351	1U3352	9J4359	9N4352	9W2359	135-9357	107-3350	4T2353	9N4353	144-1358
J400	**ESCO MaxDRP**	-	**400STE**	**400CPE**	-	**400SPE**	-	-	-	-	**400APL**
	CAT	7T3401	7T3402	6Y7409	8E4402	6Y5409	135-9408	107-3400	7T4303	7T3403	135-9400
J450	**ESCO MaxDRP**	**450RY**	**450STE**	**450CPE**	**450STL**	**450SPE**	**450TPE**	**450FLE**	**450AHL**	**450AHL**	**450APL**
	CAT	9W8451	9W8452	9W8459	9N4452	7T8459	138-6458	107-3450	9W1453	9N4453	138-6451
J550	**ESCO MaxDRP**	-	-	**550CPE**	**550STL**	**550SPE**	**550TPE**	-	**550AHL**	**550AHL**	**550APL**
	CAT	9W8551	9W8552	9W8559	9N4552	9W6559	222-7553	107-3550	9W1553	6Y2553	138-6552
J600	**ESCO MaxDRP**	-	-	**600CPE**	-	**600SPE**	**600TPE**	-	**600AHL**	**600AHL**	**600APL**
	CAT	6I6601	6I6602	7I7609	7Y0602	107-8609	135-9608	-	-	6I6603	135-9600
J700	**ESCO MaxDRP**	-	-	**700CPE**	-	**700SPE**	**700TPE**	-	**700APL**	-	**700APL**
	CAT	-	4T4702	4T4709	9U9702	-	-	-	4T4703	9U9703	135-9700

MaxDRP™ tooth system - CAT J-Series style points



200CPE



J200 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
200CPE	Chisel Penetration Excavator	167	6.58	23	0.92	4	0.14	58	2.28	2	3	8E6208	8E6209



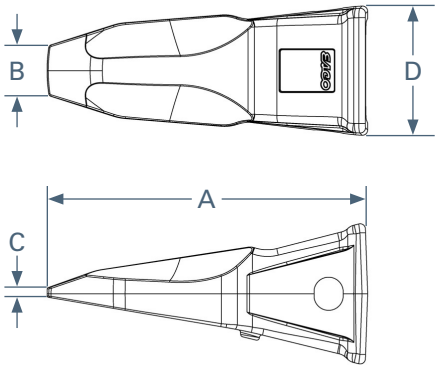
200STE



250CPE



250STL



J250 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
250STE	Standard Excavator	207	8.16	56	2.21	3	0.13	77	3.02	3	6	132-4763	149-5733
250CPE	Chisel Penetration Excavator	217	8.56	30	1.20	5	0.21	77	3.05	3	7	132-4763	149-5733
250STL	Standard Loader	212	8.34	41	1.63	3	0.13	77	3.02	3	7	132-4763	149-5733

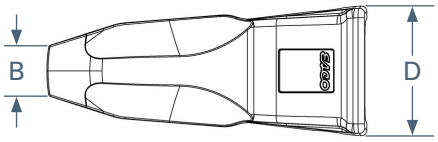
MaxDRP™ tooth system - CAT J-Series style points

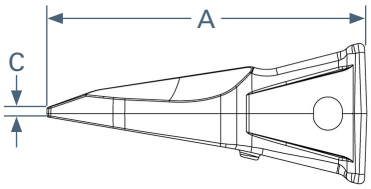


300STE 300CPE 300SPE 300TPE



300STL 300APL 300AHL





J300 Points

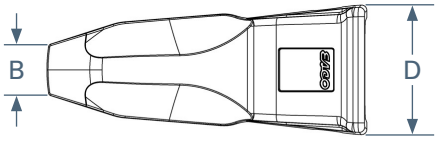
PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
300STE	Standard Excavator	238	9.38	60	2.38	4	0.15	92	3.62	5	11	132-4766	149-5733
300CPE	Chisel Penetration Excavator	250	9.84	36	1.43	6	0.22	92	3.66	5	12	132-4766	149-5733
300SPE	Single Pick Excavator	250	9.84	6	0.22	5	0.18	92	3.63	4	10	132-4766	149-5733
300TPE	Twin Pick Excavator	250	9.84	130	5.13	5	0.18	92	3.63	5	11	132-4766	149-5733
300STL	Standard Loader	244	9.60	51	2.00	4	0.17	90	3.58	5	12	132-4766	149-5733
300APL	Abrasion Penetration Loader	270	10.62	42	1.67	4	0.17	92	3.62	7	16	132-4766	149-5733
300AHL	Abrasion Heavy Loader	245	9.63	73	2.89	6	0.25	92	3.62	7	16	132-4766	149-5733

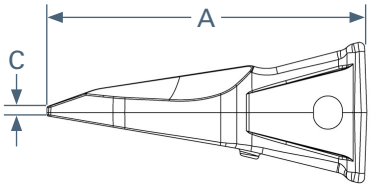


350STE 350CPE 350SPE 350TPE



350FLE 350APL 350AHL





J350 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
350STE	Standard Excavator	267	10.51	73	2.89	4	0.16	107	4.23	7	16	114-0358	114-0359
350CPE	Chisel Penetration Excavator	279	11.00	43	1.69	7	0.27	107	4.23	7	16	114-0358	114-0359
350SPE	Single Pick Excavator	279	11.00	6	0.25	5	0.20	109	4.28	6	13	114-0358	114-0359
350TPE	Twin Pick Excavator	279	11.00	145	5.70	5	0.20	108	4.25	7	15	114-0358	114-0359
350FLE	Flare Excavator	232	9.15	178	7.00	11	0.43	105	4.14	9	21	114-0358	114-0359
350APL	Abrasion Penetration Loader	302	11.88	51	2.00	5	0.19	107	4.21	10	21	114-0358	114-0359
350AHL	Abrasion Heavy Loader	274	10.79	82	3.23	7	0.28	107	4.21	10	22	114-0358	114-0359

MaxDRP™ tooth system - CAT J-Series style points



400STE



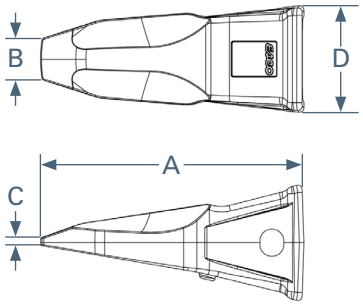
400CPE



400SPE



300APL



J400 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
400STE	Standard Excavator	294	11.56	81	3.18	5	0.20	123	4.83	10	22	116-7408	116-7409
400CPE	Chisel Penetration Excavator	308	12.12	49	1.91	9	0.35	125	4.91	11	24	116-7408	116-7409
400SPE	Single Pick Excavator	308	12.12	7	0.28	6	0.23	123	4.83	9	19	116-7408	116-7409
400APL	Abrasion Penetration Loader	332	13.08	56	2.21	6	0.23	123	4.83	14	31	116-7408	116-7409



450STE



450CPE



450SPE



450TPE



450FLE



450RY



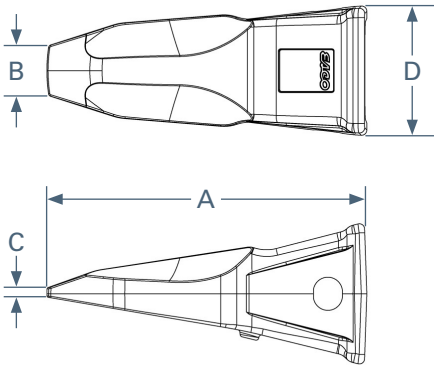
450STL



450APL



450AHL



J450/J460 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		J450 Pin	J450 Lock	J460 Pin	J460 Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb				
450STE	Standard Excavator	329	12.95	91	3.59	5	0.19	139	5.46	14	30	6Y2527	8E6359	114-0468	107-3469
450CPE	Chisel Penetration Excavator	347	13.68	52	2.05	9	0.34	140	5.52	15	33	6Y2527	8E6359	114-0468	107-3469
450SPE	Single Pick Excavator	345	13.58	8	0.31	6	0.24	135	5.31	11	23	6Y2527	8E6359	114-0468	107-3469
450TPE	Twin Pick Excavator	345	13.58	182	7.15	6	0.24	135	5.31	13	28	6Y2527	8E6359	114-0468	107-3469
450FLE	Flare Excavator	311	12.25	229	9.00	13	0.53	139	5.47	17	38	6Y2527	8E6359	114-0468	107-3469
450RY	Rock Excavator	271	10.67	120	4.76	10	0.39	132	5.20	13	28	6Y2527	8E6359	114-0468	107-3469
450STL	Standard Loader	336	13.24	76	3.00	5	0.18	139	5.46	15	33	6Y2527	8E6359	114-0468	107-3469
450APL	Abrasion Penetration Loader	372	14.65	64	2.50	6	0.22	139	5.46	19	42	6Y2527	8E6359	114-0468	107-3469
450AHL	Abrasion Heavy Loader	338	13.29	103	4.04	8	0.33	139	5.46	20	43	6Y2527	8E6359	114-0468	107-3469

MaxDRP™ tooth system - CAT J-Series style points



550CPE



550SPE



550TPE



550RY



550STL



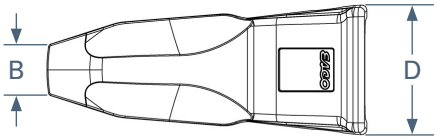
550APL

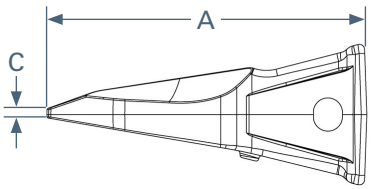


550AHL



550RBC





J550 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
550CPE	Chisel Penetration Excavator	379	14.94	70	2.74	9	0.35	165	6.50	20	44	107-3378	107-8559
550SPE	Single Pick Excavator	379	14.94	10	0.40	7	0.27	161	6.30	16	35	107-3378	107-8559
550TPE	Twin Pick Excavator	379	14.94	221	8.72	7	0.27	161	6.30	17	39	107-3378	107-8559
550RY	Rock Excavator	309	12.17	335	13.20	12	0.48	157	6.18	20	44	107-3378	107-8559
550STL	Standard Loader	370	14.57	86	3.37	6	0.23	165	6.50	21	45	107-3378	107-8559
550APL	Abrasion Penetration Loader	409	16.11	82	3.24	6	0.22	165	6.49	26	57	107-3378	107-8559
550AHL	Abrasion Heavy Loader	409	16.11	144	5.66	11	0.42	165	6.49	29	64	107-3378	107-8559
550RBC	Hvy Abrasion Penetration Loader	440	17.32	102	4.00	13	0.51	175	6.88	35	76	107-3378	107-8559



600CPE



600SPE



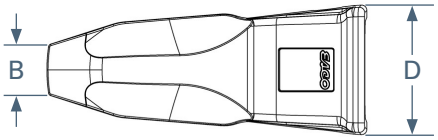
600TPE

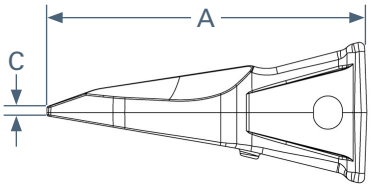


600APL



600AHL





J600 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
600CPE	Chisel Penetration Excavator	436	17.18	85	3.35	14	0.56	221	8.72	39	86	113-9608	113-9609
600SPE	Single Pick Excavator	436	17.18	11	0.45	8	0.33	201	7.92	30	67	113-9608	113-9609
600TPE	Twin Pick Excavator	436	17.18	266	10.46	8	0.33	201	7.92	33	73	113-9608	113-9609
600APL	Abrasion Penetration Loader	471	18.53	99	3.91	8	0.32	206	8.12	53	117	113-9608	113-9609
600AHL	Abrasion Heavy Loader	427	16.81	169	6.64	13	0.52	206	8.12	55	120	113-9608	113-9609

MaxDRP™ tooth system - CAT J-Series style points



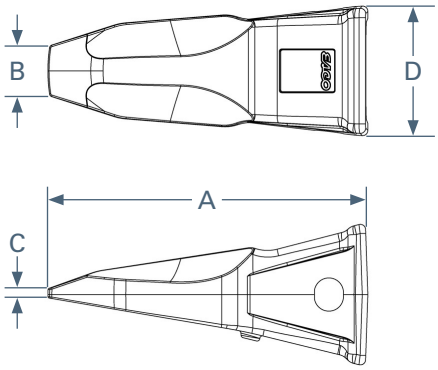
700CPE



700SPE



700APL



J700 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
700CPE	Chisel Penetration Excavator	418	16.44	180	7.07	13	0.50	208	8.20	45	100	113-4708	113-4709
700SPE	Single Pick Excavator	471	18.52	12	0.47	9	0.35	210	8.25	31	68	113-4708	113-4709
700APL	Abrasion Penetration Loader	506	19.94	102	4.03	8	0.31	212	8.33	59	130	113-4708	113-4709

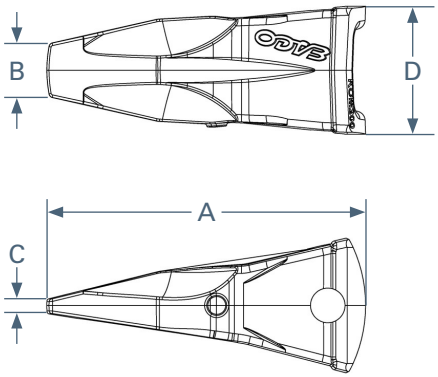
MaxDRP™ tooth system - Komatsu style points



KOM200SYL



KOM200CPE



KOM200

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin
		mm	in	mm	in	mm	in	mm	in	kg	lb	
KOM200SYL	Standard	243	9.59	89	3.50	7	0.29	110	4.34	6	14	09244-02496
KOM200CPE	Chisel Penetration Excavator	276	10.85	46	1.81	13	0.52	110	4.34	8	17	09244-02496



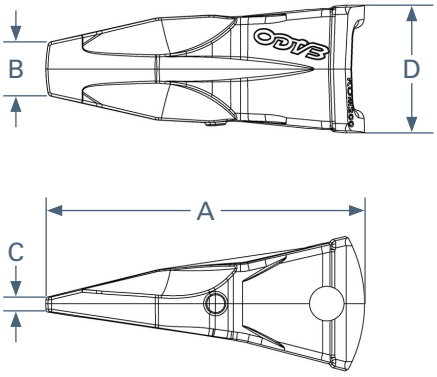
KOM300SYL



KOM300SPE



KOM300CPE



KOM300

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin
		mm	in	mm	in	mm	in	mm	in	kg	lb	
KOM300SYL	Standard	239	9.42	97	3.80	7	0.29	123	4.83	6	14	09244-02516
KOM300SPE	Single Pick Excavator	295	11.62	10	0.37	11	0.45	122	4.82	6	14	09244-02516
KOM300CPE	Chisel Penetration Excavator	307	12.09	46	1.81	13	0.51	126	4.98	10	22	09244-02516

MaxDRP™ tooth system - Komatsu style points



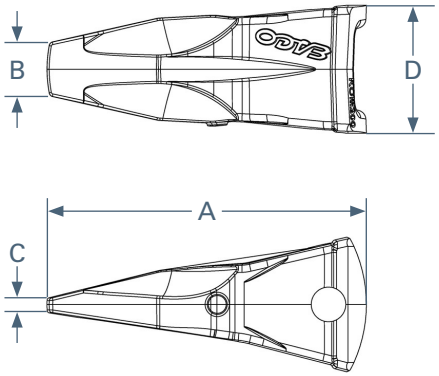
KOM400SYL



KOM400SPE



KOM400CPE



KOM400

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin
		mm	in	mm	in	mm	in	mm	in	kg	lb	
KOM400SYL	Chisel Penetration Excavator	277	10.92	114	4.47	9	0.34	144	5.67	10	22	09244-03036
KOM400SPE	Single Pick Excavator	355	13.99	11	0.44	13	0.52	144	5.67	10	22	09244-03036
KOM400CPE	Abrasion Penetration Loader	367	14.46	54	2.13	14	0.54	149	5.86	16	36	09244-03036



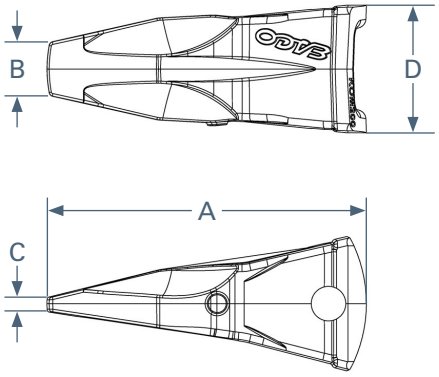
KOM650SYL



KOM650SPE



KOM650CPE



KOM650

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin
		mm	in	mm	in	mm	in	mm	in	kg	lb	
KOM650SYL	Chisel Penetration Excavator	371	14.62	106	4.17	14	0.55	178	7.02	20	44	209-70-54240
KOM650SPE	Single Pick Excavator	442	17.41	16	0.65	17	0.66	178	6.99	20	44	209-70-54240
KOM650CPE	Abrasion Penetration Loader	454	17.87	68	2.66	17	0.54	180	7.09	31	69	209-70-54240

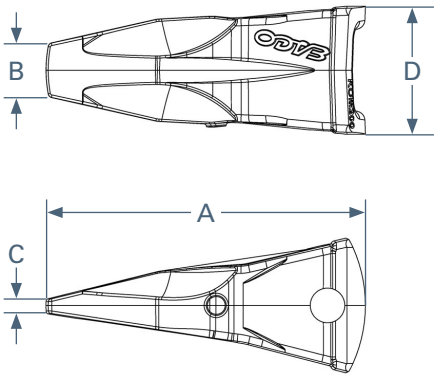
MaxDRP™ tooth system - Volvo style points



VOL210SYL



VOL210CPE



VOL210 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
VOL210SYL	Standard	249	9.82	89	3.50	7	0.29	110	4.34	7	14	14540726	14537622
VOL210CPE	Chisel Penetration Excavator	282	11.09	46	1.81	13	0.52	110	4.34	8	17	14540726	14537622



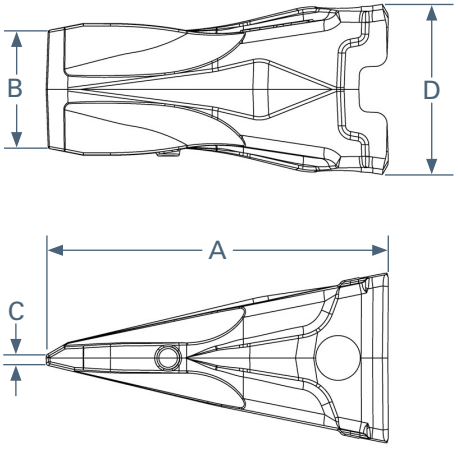
VOL360SYL



VOL360SPE



VOL360CPE



VOL360 Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin	Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
VOL360SYL	Standard	294	11.57	114	4.47	9	0.34	147	5.77	13	28	14550967	14550968
VOL360SPE	Single Pick Excavator	336	13.24	11	0.44	13	0.52	146	5.75	12	25	14550967	14550968
VOL360CPE	Chisel Penetration Excavator	351	13.81	54	2.11	14	0.53	151	5.96	17	38	14550967	14550968

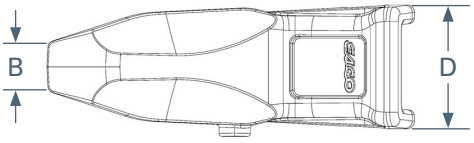
MaxDRP™ tooth system - H & L style points



230CPE



230S

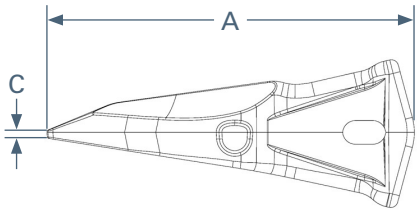




230SPE



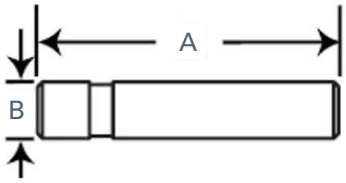
230TPE



230 Series

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		Pin
		mm	in	mm	in	mm	in	mm	in	kg	lb	
230CPE	Chisel	162	6.36	22	0.85	4	0.14	54	2.14	1.2	2.7	23FP
230S	Standard	156	6.14	56	2.21	7	0.29	58	2.29	1.3	2.8	23FP
230SPE	Single Pick	162	6.38	5	0.20	3	0.11	55	2.17	1.0	2.2	23FP
230TPE	Twin Pick	162	6.38	83	3.25	3	0.11	54	2.13	1.3	2.8	23FP

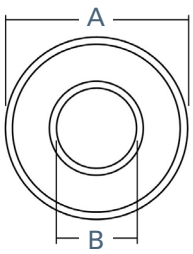
Pins and retainers for MaxDRP™ system



Pin

J-Series HD Pins

PMID	Length A		Diameter B		Weight		Nose Size
	mm	in	mm	in	kg	lb	
8E6208	59	2.31	11	0.44	0.05	0.10	J200
132-4763	79	3.13	14	0.56	0.10	0.22	J250
132-4766	92	3.63	14	0.56	0.11	0.24	J300
114-0358	108	4.25	19	0.75	0.24	0.53	J350
116-7408	117	4.63	22	0.88	0.35	0.78	J400
6Y2527	133	5.25	19	0.75	0.30	0.65	J450
114-0468	133	5.25	24	0.94	0.46	1.01	J460
107-3378	162	6.38	25	1.00	0.65	1.42	J550
113-9608	194	7.63	30	1.19	1.05	2.30	J600
113-4708	194	7.63	32	1.25	1.17	2.58	J700
134-1808	241	9.50	35	1.38	1.70	3.75	J800

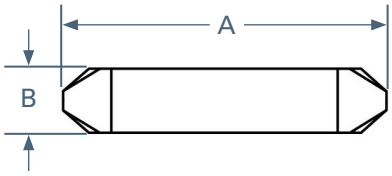


Retainer

J-Series HD Retainers

PMID	Outside Diameter A		Inside Diameter B		Thickness		Weight		Nose Size
	mm	in	mm	in	mm	in	kg	lb	
8E6209	23	0.90	10	0.41	8	0.33	0.02	0.04	J200
149-5733	30	1.20	13	0.53	10	0.40	0.04	0.08	J250
149-5733	30	1.20	13	0.53	10	0.40	0.04	0.08	J300
114-0359	41	1.60	18	0.71	13	0.50	0.06	0.14	J350
116-7409	41	1.60	21	0.84	13	0.50	0.07	0.15	J400
8E6359	41	1.60	18	0.72	10	0.40	0.12	0.26	J450
107-3469	46	1.80	23	0.91	11	0.45	0.08	0.18	J460
107-8559	53	2.10	24	0.96	11	0.43	0.09	0.20	J550
113-9609	58	2.30	29	1.16	11	0.45	0.10	0.22	J600
113-4709	72	2.85	31	1.20	11	0.45	0.11	0.25	J700
134-1809	76	3.00	34	1.34	12	0.47	0.14	0.30	J800

Pins and retainers for MaxDRP™ system



Pin

H&L Pin

PMID	Length A		Diameter B		Weight		Nose Size
	mm	in	mm	in	kg	lb	
23FP	54	2.13	10.6	0.42	0.04	0.09	230

MaxDRP™ ripper points



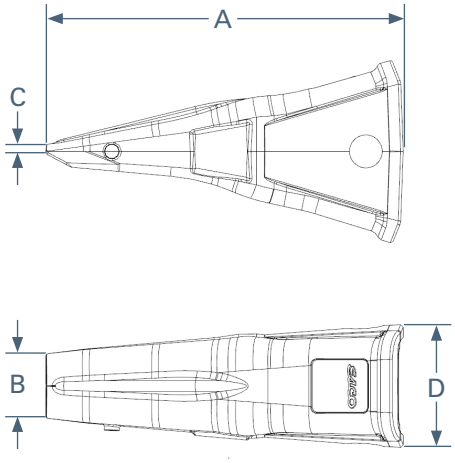
Standard



Ripper abrasion



Ripper penetration



R350 Ripper Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		STD Pin	STD Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb		
R350A	Ripper Abrasion	387	15.25	52	2.05	7	0.29	111	4.37	14	32	9W2678	6Y9459
R350P	Ripper Pentetration	360	14.17	46	1.81	25	1.00	111	4.37	14	30	9W2678	6Y9459

R450 Ripper Point

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		HD Pin	HD Lock	(Reference Only) STD Pin	(Reference Only) STD Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb				
R450A	Ripper Abrasion	425	16.75	65	2.56	8	0.32	122	4.81	20	44	138-6450	107-8559	6Y3394	8E4743

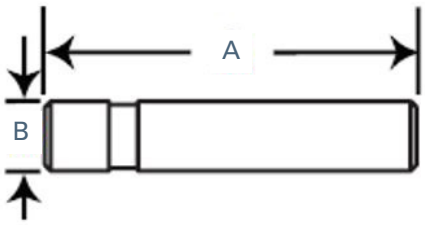
R500 Ripper Points

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		HD Pin	HD Lock	(Reference Only) STD Pin	(Reference Only) STD Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb				
R500S	Ripper Standard	446	17.55	80	3.15	10	0.40	153	6.02	29	64	6Y3909	113-4709	6Y3909	4T4707
R500A	Ripper Abrasion	490	19.28	80	3.15	10	0.40	152	5.98	30	66	6Y3909	113-4709	6Y3909	4T4707

R550 Ripper Point

PMID	Description	Length A		Bit Width B		Bit Thickness C		Width at Rear D		Weight		HD Pin	HD Lock	(Reference Only) STD Pin	(Reference Only) STD Lock
		mm	in	mm	in	mm	in	mm	in	kg	lb				
R550S	Ripper Standard	559	22.00	89	3.50	16	0.63	173	6.83	50	110	159-0558	134-1809	8E2229	8E2230

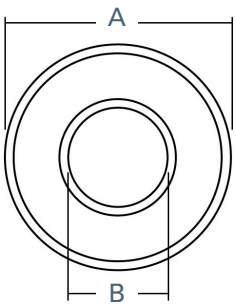
Pins and retainers for MaxDRP™ rippers



Pin

R-Series Pins

PMID	Length A		Diameter B		Weight		Nose Size	Application
	mm	in	mm	in	kg	lb		
9W2668	87	3.44	19	0.75	0.20	0.43	R300	Standard
9W2678	108	4.25	19	0.75	0.24	0.53	R350	Standard
6Y3394	125	4.94	25	1.00	0.49	1.07	R450	Standard
138-6450	125	4.94	25	1.00	0.49	1.07	R450	Heavy Duty
6Y3909	143	5.63	32	1.25	0.86	1.9	R500	STD / HD
8E2229	153	6.03	35	1.38	1.2	2.7	R550	Standard
159-0558	160	6.30	35	1.38	1.3	2.8	R550	Heavy Duty



Retainer

R-Series Retainers

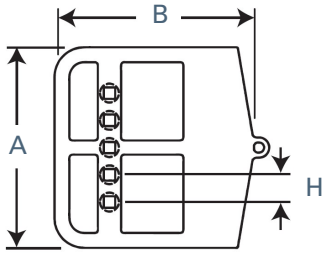
PMID	Length A		Diameter B		Thickness		Weight		Nose Size	Application
	mm	in	mm	in	kg	lb	kg	lb		
6Y9459	40	1.57	18	0.72	7.11	0.28	0.02	0.05	R300	Standard
6Y9459	40	1.57	18	0.72	7.11	0.28	0.02	0.05	R350	Standard
8E4743	48	1.89	24	0.96	7.87	0.31	0.07	0.15	R450	Standard
107-8559	53	2.10	24	0.96	10.92	0.43	0.09	0.20	R450	Heavy Duty
4T4707	64	2.50	31	1.20	8.13	0.32	0.16	0.35	R500	Standard
113-4709	72	2.85	31	1.20	11.43	0.45	0.11	0.25	R500	Heavy Duty
8E2230	70	2.76	34	1.34	13.97	0.55	0.23	0.50	R550	Standard
134-1809	76	3.00	34	1.34	11.94	0.47	0.14	0.30	R550	Heavy Duty

MaxDRP™ cast half-arrow edge segments for CAT machines

MaxDRP half-arrow edge segments are premium cast replacement parts for CAT wheel loaders. The part marking identification (PMID) is the same as the OEM part but may have additional wear metal (reference the thickness dimension).

***NOTE:** The illustration is only representative of the design. The actual part profile may vary and may have additional rows of bolt-holes. Machine model may vary dependent on how the lip is configured.*





Cast Half-Arrow Edge Segments

PMID	Replaces	Position	Machine Model	Length A		Width B		Thickness C		Arrow Height D		Hole Location E		Hole Spacing H		No. of Holes	Weight	
				mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		kg	lb
4T6760DD	--	CTR	CAT 990, 992	416	16.38	533	21.00	60	2.38	95	3.75	177	6.97	90	3.54	4	97	213
4T6761DD	--	RH		432	17.02	533	21.00	60	2.38	95	3.75	177	6.97	100	3.94	4	104	230
4T6762DD	--	LH		432	17.02	533	21.00	60	2.38	95	3.75	177	6.97	100	3.94	4	104	230
109-9080	--	CTR	CAT 988	343	13.50	406	16.00	44	1.75	76	3.00	140	5.50	85	3.35	3	46	101
109-9081	--	RH		343	13.50	454	17.88	44	1.75	76	3.00	140	5.50	85	3.35	3	48	105
109-9082	--	LH		343	13.50	454	17.88	44	1.75	76	3.00	140	5.50	85	3.35	3	48	105
275-6055	275-5470	CTR	CAT 988, 990, 992	403	15.88	533	21.00	76	3.00	133	5.25	177	7.00	90	3.54	4	98	217
275-6056	275-5471	RH		428	16.83	533	21.00	76	3.00	133	5.25	177	7.00	100	3.94	4	108	238
275-6057	275-5472	LH		428	16.83	533	21.00	76	3.00	133	5.25	177	7.00	100	3.94	4	108	238
109-9030	--	CTR	CAT 994	441	17.35	635	25.00	76	3.00	148	5.75	254	10.00	85	3.35	5	151	332
117-6805*	--	RH		441	17.35	635	25.00	76	3.00	148	5.75	282*	11.11*	85	3.35	5	158	346
117-6806*	--	LH		441	17.35	635	25.00	76	3.00	148	5.75	282*	11.11*	85	3.35	5	158	346
109-9033	--	CTR	CAT 994	626	24.64	622	24.50	76	3.00	138	5.45	267	10.50	85	3.35	5	215	473
109-9031	--	RH		451	17.76	610	24.00	76	3.00	138	5.45	267	10.50	85	3.35	5	162	356
109-9032	--	LH		451	17.76	610	24.00	76	3.00	138	5.45	267	10.50	85	3.35	5	162	356
9W5734DD	--	CTR	CAT 980, 988	311	12.25	457	18.00	45	1.75	70	2.75	137	5.38	86	3.38	3	45	99
9W5737DD	--	RH		313	12.32	514	20.25	44	1.75	70	2.75	137	5.38	86	3.38	3	47	102
9W5730DD	--	LH		313	12.32	514	20.25	44	1.75	70	2.75	137	5.38	86	3.38	3	47	102

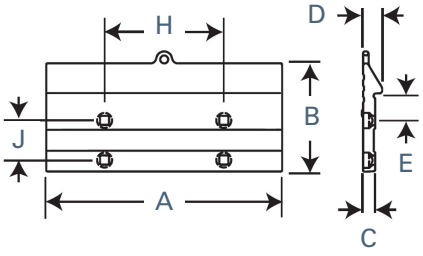
*Measurement at outside, holes are not parallel to lip edge

MaxDRP™ cast edge segments for CAT machines

MaxDRP edge segments are premium cast replacement parts for CAT wheel loaders. The part marking identification (PMID) is the same as the OEM part but may have additional wear metal (reference the thickness dimension).

***NOTE:** The illustration is only representative of the design. The actual part profile may vary and may have additional rows of bolt-holes. Machine model may vary dependent on how the lip is configured.*





Cast Half-Arrow Edge Segments

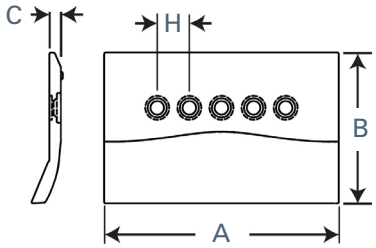
PMID	Position	Machine Model	Length A		Width B		Thickness C		Arrow Height D		Hole Set Back E		Hole Spacing H		Hole Spacing J		No. of Holes	Weight	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		kg	lb
217-4725	CTR	CAT 980, 982, 988	931	36.65	426	16.80	48	1.89	76	2.98	106	4.20	470	18.51	156	6.16	4	143	315
217-4727	CTR		961	37.83	426	16.80	48	1.89	76	2.98	106	4.20	486	19.13	156	6.16	4	148	326
439-1716	CTR		1012	40.00	426	16.80	48	1.89	95	3.74	108	4.25	511	20.12	156	6.16	4	135	299
217-4726	END		262	10.31	468	18.42	48	1.89	76	2.98	106	4.20	85	3.35	78	3.07	6	38	82
132-1034	CTR	CAT 950, 962	768	30.25	302	11.89	38	1.50	57	2.26	81	3.19	387	15.25	--	--	2	50	110
135-9666	CTR		823	32.40	302	11.89	38	1.50	57	2.26	81	3.19	414	16.31	--	--	2	54	119
132-1033	END		213	8.38	368	14.50	44	1.72	63	2.50	81	3.19	--	--	68	2.69	3	22	47
1U-0593HA	CTR	CAT 960, 970, 972	854	33.60	389	15.33	44	1.75	72	2.83	102	4.02	428	16.85	147	5.80	4	103	227
100-6668HA	CTR	CAT 966, 972	902	35.50	392	15.41	44	1.75	72	2.83	102	4.02	454	17.88	150	5.89	4	105	231
3G6395HAR	RH		243	9.58	402	15.84	44	1.72	75	2.94	103	4.07	--	--	76	2.98	3	31	67
3G6395HAL	LH		243	9.58	402	15.84	44	1.72	75	2.94	103	4.07	--	--	76	2.98	3	31	67

MaxDRP™ cast top cover plates for CAT machines

MaxDRP edge top cover plates are premium cast replacement parts for CAT wheel loaders and excavators. The part marking identification (PMID) is the same as the OEM part.

***NOTE:** The illustration is only representative of the design. The actual part profile may vary and may have additional rows of bolt-holes. Machine model may vary dependent on how the lip is configured.*





Cast Top Cover Plates

PMID	Position	Machine Model	Length A		Width B		Thickness C		Hole Spacing H		No. of Holes	Weight	
			mm	in	mm	in	mm	in	mm	in		kg	lb
Wheel Loaders													
195-7096	CTR	CAT 988, 990, 992	406	16.00	243	9.57	25	1.00	90	3.54	4	18	39
195-7097	RH		438	17.24	247	9.72	25	1.00	90	3.54	4	21	44
195-7098	LH		438	17.24	247	9.72	25	1.00	90	3.54	4	21	44
195-7180	CTR	CAT 980, 988	343	13.50	205	8.06	32	1.25	86	3.39	3	15	32
195-7181	RH		343	13.50	205	8.06	32	1.25	86	3.39	3	16	33
195-7182	LH		343	13.50	205	8.06	32	1.25	86	3.39	3	16	33
307-5600	CTR	CAT 993	406	16.00	315	12.40	29	1.14	90	3.54	4	27	58
307-5601	RH		406	16.00	314	12.35	28	1.10	100	3.95	4	27	59
307-5602	LH		406	16.00	314	12.35	28	1.10	100	3.95	4	27	59
325-6677	CTR	CAT 994	620	24.42	398	15.67	31	1.20	85	3.34	5	54	118
325-6678	RH		442	17.39	387	15.24	29	1.15	85	3.34	5	37	83
325-6679	LH		442	17.39	387	15.24	29	1.15	85	3.34	5	37	83
195-7230	CTR	CAT 994	441	17.35	334	13.16	37	1.45	85	3.34	5	38	82
195-7231	RH		441	17.35	374	14.73	37	1.45	85	3.34	5	42	90
195-7232	LH		441	17.35	374	14.73	37	1.45	85	3.34	5	42	90
Excavators													
353-0157	CTR	CAT 994	343	13.50	205	8.06	25	1.00	86	3.39	3	13	28
353-0158	RH		343	13.50	205	8.06	25	1.00	86	3.39	3	13	29
353-0159	LH		343	13.50	205	8.06	25	1.00	86	3.39	3	13	29

ESCO® replacement ripper points

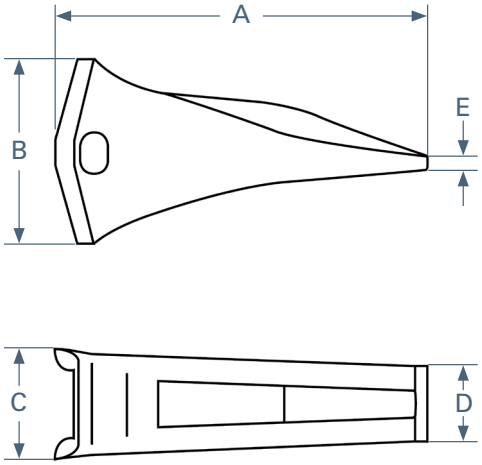
Field-proven ESCO replacement ripper points deliver significantly more resistance to impact than Komatsu OEM points. High-quality, forged ripper points feature superior hardness and install easily with a precision fit to the shank nose.

The increased length over the OEM delivers longer wear life and the central rib adds strength. The self-sharpening profile maintains effective penetration throughout the ripper point's life.





ESCO replacement ripper point



Ripper Point

PMID	Description	A		B		C		D		E		Weight		Pin PMID
		mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb	
195-78-71320	Komatsu D375 CL Point	440	17.32	218	8.58	130	5.12	90	3.54	15	0.59	21	46	195-78-71360

Rippers for construction class machines

Ripper Points

Pattern No	A		B		Weight		Pin	Bushing / Lock Ring	Style*
	mm	in	mm	in	kg	lb			
22R10	251	9.90	45	1.76	3.8	8.3	22RPG	22RBG	NCL Rib
25R11-2	279	11.00	51	2.00	4.8	10.6	25RPG	25RBG	CL
25R12	305	12.00	51	2.00	6.0	13.2	25RPG	25RBG	NCL Rib
25RC10**	263	10.35	52	2.05	5.0	11.0	25RCPN	25RCLKSR	NCL Rib
25RC12**	313	12.32	50	1.96	6.5	14.3	25RCPN	25RCLKSR	NCL Rib

* CL: Centerline Design; NCL: Non-Centerline Design

** 25RC10/12 points are for 25RC nose only (nose has snap ring recess at pinhole)

Pins and Bushings

System Size	Item	Pattern No.	Length		Diameter		Comments
			mm	in	mm	in	
22R	Pin	22RPG	82	3.24	13	0.50	Use 22R points
	Bushing	22RBG	56	2.20	21	0.81	Use 22R points
25R	Pin	25RPG	92	3.62	13	0.50	Use 25R points
	Bushing	25RBG	62	2.44	21	0.81	Use 25R points
25RC	Pin	25RCPN	98	3.85	19	0.75	Use 25RC points
	Bushing	25RCLKSR	7	0.25	38	1.50	Use 25RC points

Weld-on Noses

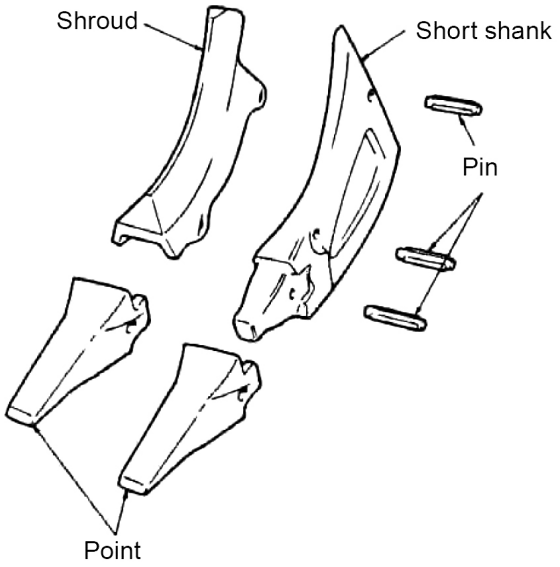
Pattern No.	A		B		C	
	mm	in	mm	in	mm	in
22RN	146	5.75	171	6.75	79	3.13
25RN	168	6.63	191	7.50	92	3.63

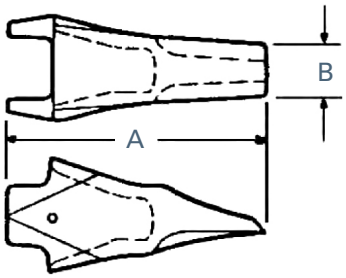
Uni-Lok™ ripper systems for larger machines

Uni-Lok™ Rip-A-Pak™ Kits

Model	Machine	Quantity	Component
35-6R	Cat D8H/K, D8L	1	35-6RWNS Short Shank
Rip-A-Pak	D8N, D9G/H, D9N;	2	35-6R15 Points
	Komatsu D155	1	35-6RSL Shroud
		3	35RSPA Uni-Lok Pins
		1	Tempilstik
39-5R	Cat D8L, D8N,	1	39-5RWNSI Short Shank
Rip-A-Pak	D9G/H, D9N;	2	39-5R18B Points
	Komatsu D155, D355	1	39-5RSLB Shroud
		3	39RSPA Uni-Lok Pins
		1	Tempilstik
39-5R	Cat D9L, D10, D10N	1	39-5RWNS2 Short Shank
Rip-A-Pak II	Komatsu D355, D375	2	39-5R18B Points
		1	39-5RSLB Shroud
		3	39RSPA Uni-Lok Pins
		1	Tempilstik
39-5R	Cat D10, D10N;	1	39-5RWNS3 Short Shank
Rip-A-Pak III	Komatsu D375, D455,	2	39-5R18B Points
	D475	1	39-5RSLB Shroud
		3	39RSPA Uni-Lok Pins
		1	Tempilstik
49-5R	Cat D10, D10N, D11N;	1	49-5RWNS Short Shank
Rip-A-Pak	Komatsu D375, D455,	2	49-5R21V Points
	D475	1	49-5RSLB Shroud
		3	49RSPA Uni-Lok Pins
		1	Tempilstik

Note: Installation instructions included in each Rip-A-Pak kit.



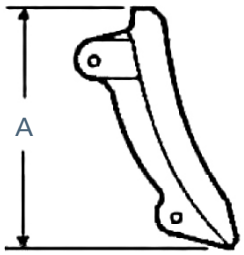


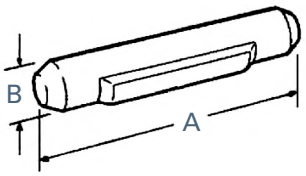
Uni-Lok™ Points

PMID	A		B		Weight		Style
	mm	in	mm	in	kg	lb	
35-5R14	360	14.19	76	3.00	14	30	Below Centerline
35-5R15	387	15.25	76	3.00	14	31	Below Centerline
35-6R15	381	15.00	70	2.75	16	35	Below Centerline
39-5R17B	432	17.00	76	3.00	20	45	Rib / Below Centerline
39-5R18B	457	18.00	80	3.16	26	57	Below Centerline
49-5R18	457	18.00	89	3.50	32	70	Rib / Below Centerline
49-5R19V	483	19.00	38	1.50	33	72	Rib / Centerline
49-5R21V	533	21.00	38	1.50	35	77	Rib / Centerline

Uni-Lok™ ripper systems for larger machines







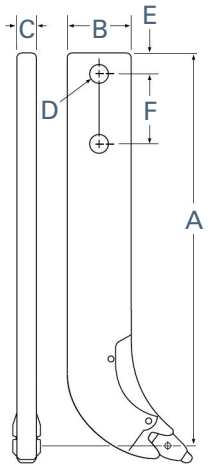
Uni-Lok™ Shrouds

PMID	A mm / in	Weight kg / lb	Style
35-6RSL	542 / 21.34	24 / 53	Arrowhead
39-5RSLB	591 / 23.25	41 / 91	Arrowhead
49-5RSLB	664 / 26.13	43 / 94	Arrowhead

Note: Each shroud uses 2 each RSP Uni-Lok pins in the matching size.

Uni-Lok™ Pins

PMID	A mm / in	B mm / in
35RSPA	121 / 4.75	19 / 0.75
39RSPA	127 / 5.00	25 / 1.00
49RSPA	149 / 5.88	29 / 1.13

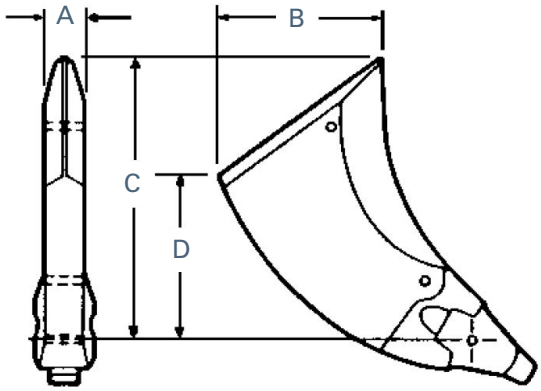


Uni-Lok™ Cast Alloy Shanks

Shank PMID	Length A mm / in	Width B mm / in	Thickness C mm / in	No. Holes	Round Hole Diameter D mm / in	Elliptical Hole Diameter D mm / in	Top to CL of 1st Hole E mm / in	CL 1st Hole to CL 2nd Hole F mm / in	CL 2nd Hole to CL Last Hole G mm / in	Machine
35-5RC9P4	1772 / 69.75	333 / 13.12	76 / 3.00	2	78 / 3.06	NA	102 / 4.00	254 / 10.00	NA	D9
35-5RK155-76	1922 / 75.67	356 / 14.00	94 / 3.69	3	87 / 3.43	NA	109 / 4.30	259 / 10.20	259 / 10.20	KOM 155
39-5RC10-76	1930 / 76.00	356 / 14.00	95 / 3.75	1	95 / 3.75	NA	165 / 6.50	NA	NA	D9, D10
39-5RC89PS4	2121 / 83.50	356 / 14.00	89 / 3.50	3	78 / 3.06	NA	108 / 4.25	382 / 15.03	400 / 15.75	D8, D9
39-5RC8L100	2540 / 100.00	333 / 13.12	76 / 3.00	4	NA	81 / 3.18	109 / 4.31	305 / 12.00	305 / 12.00	D8L
39-5RC9L70	1765 / 69.50	353 / 13.88	89 / 3.50	2	NA	27 / 1.06	89 / 3.50	254 / 10.00	NA	D9L
39-5RC9L70-1	1765 / 69.50	356 / 14.00	89 / 3.50	2	NA	27 / 1.06	114 / 4.50	406 / 16.00	NA	D9L
39-5RC9L97	2464 / 97.00	356 / 14.00	89 / 3.50	4	NA	95 / 3.75	220 / 8.66	240 / 9.45	240 / 9.45	D9L
39-5RCD10	2405 / 94.68	403 / 15.88	102 / 4.00	2	NA	27 / 1.06	254 / 10.00	305 / 12.00	NA	D10
39-5RK375-84	2134 / 84.00	400 / 15.75	95 / 3.75	4	88 / 3.46	NA	110 / 4.33	362 / 14.25	362 / 14.25	KOM 375
49-5RC10107	2718 / 107.00	400 / 15.75	102 / 4.00	3	102 / 4.00	NA	279 / 11.00	279 / 11.00	279 / 11.00	D10

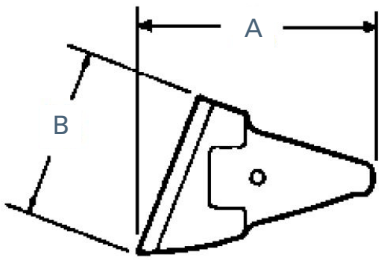
CL = Centerline

Uni-Lok™ ripper systems for larger machines



Uni-Lok™ Weld-on Short Shanks

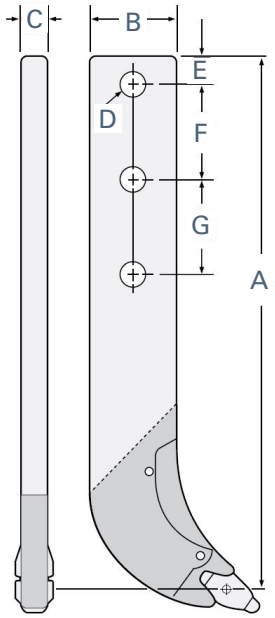
PMID	A mm / in	B mm / in	C mm / in	D mm / in	Machine
35-6RWNS	70 / 2.75	330 / 13.00	508 / 20.00	305 / 12.00	Cat D8H/K, D8L, D8N, D9G/H, D9N; KOM 155
39-5RWNS1	83 / 3.25	356 / 14.00	610 / 24.00	356 / 14.00	Cat D8L, D8N, D9G/H, D9N, KOM 155
39-5RWNS2	114 / 4.50	406 / 16.00	762 / 30.00	470 / 18.50	Cat D9L, D10, D10N; KOM 355, 375
39-5RWNS3	83 / 3.25	333 / 13.12	610 / 24.00	371 / 14.62	Cat D10, D10N, D11N, KOM 375, 455, 475
49-5RWNS	103 / 4.07	456 / 17.94	851 / 33.50	524 / 20.64	Cat D10, D10N, D11N, KOM 375, 455, 475



Uni-Lok™ Weld-on Noses

PMID	A mm / in	B mm / in
35-5RN	236 / 9.30	216 / 8.50
39-5RWN	330 / 13.00	244 / 9.60

Uni-Lok™ ripper systems for larger machines



Fabricated Ripper Shanks

Assembly Part No.	Length A mm / in	Width B mm / in	Thickness C mm / in	No. Holes	Round Hole Diameter D mm / in	Elliptical Hole Diameter D mm / in	Top to CL of 1st Hole E mm / in	CL 1st Hole to CL 2nd Hole F mm / in	CL 2nd Hole to CL Last G mm / in	Cast Short Shank Used	Machine
F39-5R375A130	3302 / 130.00	356 / 14.00	89 / 3.50	5	89 / 3.50	NA	305 / 12.00	305 / 12.00	305 / 12.00	39-5RWNS3	KOM 375
F39-5RC10N111	2819 / 111.00	381 / 15.00	102 / 4.00	4	89 / 3.50	NA	108 / 4.25	533 / 21.00	533 / 21.00	39-5RWNS2	D10N
F39-5RC8-132	3353 / 132.00	356 / 14.00	89 / 3.50	7	89 / 3.50	NA	102 / 4.00	254 / 10.00	254 / 10.00	39-5RWNS1*	D8,KOM 375
F39-5RC8L80	2032 / 80.00	333 / 13.12	76 / 3.00	4	81 / 3.19	NA	109 / 4.31	305 / 12.00	305 / 12.00	39-5RWNS1	D8L
F39-5RC9-65	1651 / 65.00	330 / 13.00	76 / 3.00	2	78 / 3.06	NA	102 / 4.00	254 / 10.00	NA	39-5RWNS1*	D9
F39-5RC9-84	2134 / 84.00	330 / 13.00	76 / 3.00	3	78 / 3.06	NA	254 / 10.00	381 / 15.00	381 / 15.00	39-5RWNS1*	D9
F39-5RC9H-70	1778 / 70.00	330 / 13.00	76 / 3.00	2	86 / 3.38	NA	102 / 4.00	254 / 10.00	NA	39-5RWNS1*	D9H
F39-5RC9H-84	2134 / 84.00	330 / 13.00	76 / 3.00	4	78 / 3.06	NA	114 / 4.50	279 / 11.00	279 / 11.00	39-5RWNS1*	D9H
F39-5RC9H-88	2235 / 88.00	356 / 14.00	89 / 3.50	2	NA	96 / 3.76	216 / 8.50	241 / 9.50	241 / 9.50	39-5RWNS2*	D9H
F39-5RC9H-88A	2235 / 88.00	356 / 14.00	89 / 3.50	4	86 / 3.38	NA	114 / 4.50	305 / 12.00	305 / 12.00	39-5RWNS2	D9H
F39-5RC9L102	2591 / 102.00	356 / 14.00	89 / 3.50	3	89 / 3.50	NA	216 / 8.50	241 / 9.50	241 / 9.50	39-5RWNS1*	D9L
F39-5RC9L70	1765 / 69.50	356 / 14.00	89 / 3.50	2	NA	96 / 3.76	89 / 3.50	254 / 10.00	NA	39-5RWNS2*	D9L
F39-5RC9LPS102	2591 / 102.00	356 / 14.00	89 / 3.50	4	95 / 3.75	NA	216 / 8.50	241 / 9.50	241 / 9.50	39-5RWNS2*	D9L
F39-5RC9LPS92	2337 / 92.00	356 / 14.00	89 / 3.50	4	95 / 3.75	NA	216 / 8.50	241 / 9.50	241 / 9.50	39-5RWNS2*	D9L
F39-5RD9L-101	2565 / 101.00	356 / 14.00	89 / 3.50	4	95 / 3.75	NA	140 / 5.50	305 / 12.00	305 / 12.00	39-5RWNS1*	D9L
F39-5RD9PS144	3658 / 144.00	330 / 13.00	76 / 3.00	5	95 / 3.75	NA	254 / 10.00	254 / 10.00	254 / 10.00	39-5RWNS3	D9
F39-5RK355-P72	1829 / 72.00	394 / 15.50	89 / 3.50	2	89 / 3.50	NA	109 / 4.30	335 / 13.20	NA	39-5RWNS2	KOM 355
F39-5RK375-72	1829 / 72.00	356 / 14.00	89 / 3.50	2	86 / 3.38	NA	114 / 4.50	343 / 13.50	NA	39-5RWNS2*	KOM 375
F39-5RK375A71	1797 / 70.75	362 / 14.25	89 / 3.50	2	89 / 3.50	NA	121 / 4.75	406 / 16.00	NA	39-5RWNS1	KOM 375
F49-5RC10P113	2870 / 113.00	406 / 16.00	102 / 4.00	3	99 / 3.88	NA	254 / 10.00	305 / 12.00	305 / 12.00	49-5RWNS*	D10
F49-5RC11N-107	2718 / 107.00	451 / 17.75	111 / 4.38	4	114 / 4.50	NA	229 / 9.00	305 / 12.00	305 / 12.00	49-5RWNS	D11N
F49-5RC11N-163	4128 / 162.50	445 / 17.50	114 / 4.50	6	114 / 4.50	NA	267 / 10.50	254 / 10.00	254 / 10.00	49-5RWNS	D11N
F49-5RC9LPS85	2007 / 79.00	356 / 14.00	89 / 3.50	2	89 / 3.50	NA	254 / 10.00	254 / 10.00	NA	49-5RWNS	D9L
F49-5RD10N-108	2743 / 108.00	356 / 14.00	89 / 3.50	4	95 / 3.75	NA	254 / 10.00	279 / 11.00	279 / 11.00	49-5RWNS*	D10N
F49-5RD10N-96	2438 / 96.00	381 / 15.00	92 / 3.63	3	114 / 4.50	NA	178 / 7.00	356 / 14.00	356 / 14.00	49-5RWNS*	D10N
F49-5RD11-101	2565 / 101.00	445 / 17.50	114 / 4.50	4	108 / 4.25	NA	165 / 6.50	279 / 11.00	279 / 11.00	49-5RWNS	D11
F49-5RD11-102	2591 / 102.00	457 / 18.00	114 / 4.50	3	102 / 4.00	NA	229 / 9.00	254 / 10.00	254 / 10.00	49-5RWNS	D11
F49-5RD11-107	2718 / 107.00	451 / 17.75	111 / 4.38	3	114 / 4.50	NA	229 / 9.00	279 / 11.00	279 / 11.00	49-5RWNS	D11
F49-5RD11-125	3175 / 125.00	451 / 17.75	108 / 4.25	3	114 / 4.50	NA	241 / 9.50	279 / 11.00	279 / 11.00	49-5RWNS*	D11
F49-5RD11-162	4128 / 162.50	451 / 17.75	108 / 4.25	9	114 / 4.50	NA	222 / 8.75	279 / 11.00	279 / 11.00	49-5RWNS*	D11
F49-5RK475-102	2591 / 102.00	457 / 18.00	114 / 4.50	3	100 / 3.94	NA	229 / 9.00	254 / 10.00	254 / 10.00	49-5RWNS*	KOM 475
F49-5RK475-102-2	2591 / 102.00	457 / 18.00	114 / 4.50	3	NA	108 / 4.25	229 / 9.00	254 / 10.00	254 / 10.00	49-5RWNS*	KOM 475
F49-5RK475-84	2134 / 84.00	457 / 18.00	114 / 4.50	4	106 / 4.18	NA	152 / 6.00	330 / 13.00	330 / 13.00	49-5RWNS	KOM 475
F49-5RK475-87	2210 / 87.00	460 / 18.12	114 / 4.50	4	NA	114 / 4.50	102 / 4.00	330 / 13.00	330 / 13.00	49-5RWNS	KOM 475

* Assembly was originally supplied with point, shroud and pins.
CL=Centerline

ESCO® All-Cast™ blades and end bits

Dozing and grading at heavy construction, aggregate or mine sites are among the toughest jobs around. To help these operations run efficiently, ESCO developed a comprehensive cast blade package to withstand the extreme abrasion and impact of these applications.

ESCO offers All-Cast blades and end bits for Caterpillar® and Komatsu® dozers. All-Cast blades are also available for Caterpillar graders. The products are designed specifically to match the requirements of each individual model to ensure optimum performance. In addition to individual components, a comprehensive package of kits are available containing the blades and bolt package required to upgrade a machine.

All-Cast grader blades are available for the Caterpillar 14, 16 and 24 machines. The straight edge version is an excellent choice for most extreme conditions. When more penetration is required – like winter or hard pack applications– serrated versions are available.

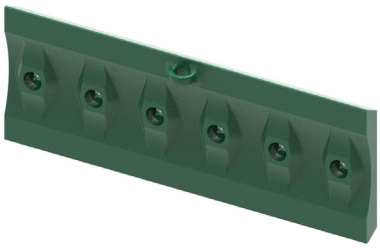
ESCO All-Cast blades and end bits for dozers can withstand the toughest impact and abrasive applications. All-Cast blades can last up to 2-3 times longer than rolled steel blades in severe conditions. In addition to long life, one installation can eliminate 1 or 2 costly sets of bolts and replacement downtime events over rolled steel products. Cast products are available for Caterpillar D8 through D11 dozers (U, semi-U and carry style machines) and Komatsu D375 dozers.





All-Cast blade and end bit benefits

- Designed to stay sharp for more efficient cutting
- Long life ensures maximum machine availability
- Cast steel resists severe impact, reducing the chance of breakage



ESCO All-Cast center blade



ESCO All-Cast ribbed end bits



ESCO All-Cast grader blade



ESCO All-Cast serrated grader blade

NOTE:** ESCO offers a complete selection of rolled steel blades, edges and end bits. Reference the **Bucyrus Blades™ Specifications, literature number P7000BLD.

All-Cast™ blades and end bits

All-Cast Blades and End Bits

Machine	Model	PMID	7-Digit Part Number	Description	Length		Bolt Size	Bolts Required	Weight	
					mm	in	in		kg	lbs
Caterpillar® Dozers	D8K U, D8H U, 834U	LA6168UL	4222220	End, Left	493	19.40	7/8	7	30	66
	D8K U, D8H U, 834U	LA6168UR	4222221	End, Right	493	19.40	7/8	7	30	66
	D8 U	LA6110HHD	4222219	Center	1039	40.90	1	7	111	244
	D8 U	LA6222HHD	4222222	Center	902	35.50	1	6	87	192
	D8 U	LA6223HHD	4224001	Intermediate	826	32.50	1	5	77	169
	D8/D9	LA6201HHD	4222176	Intermediate	800	31.50	1	5	68	149
	D8/D9	LA6178HHD	4223421	Center	1346	53.00	1	6	138	304
	D8/D9 U, SU	LA6159UL	4222193	End, Left	564	22.20	1	7	57	125
	D8/D9 U, SU	LA6159UR	4222195	End, Right	564	22.20	1	7	57	125
	D9 SU	LA6225HHD	4222190	Center	892	35.12	1	6	86	190
	D9 U	LA6224HHD	4224000	Center	1133	44.62	1	7	104	229
	690 Tiger	LA6262L	4222174	End, Left	711	28.00	1-1/4	7	105	232
	690 Tiger	LA6262R	4222175	End, Right	711	28.00	1-1/4	7	105	232
	D10 U, SU	LA6211LB	4222170	End, Left	711	28.00	1-1/4	7	109	240
	D10 U, SU	LA6211RB	4222172	End, Right	711	28.00	1-1/4	7	109	240
	D10 U	LA6227HHD	4222163	Intermediate	861	33.88	1-1/4	5	106	233
	D10 U	LA6226HHD	4222169	Center	845	33.25	1-1/4	5	109	240
	D10 SU	LA6248HHD	4222173	Center	991	39.00	1-1/4	6	126	278
	D11 U, SU	LA6256L	4265491	End, Left	813	32.00	1-1/4	9	198	435
	D11 U, SU	LA6256R	4265492	End, Right	813	32.00	1-1/4	9	198	435
	D11 U	LA6259HHDA	4265488	Intermediate, End	1021	40.20	1-1/4	9	171	376
	D11 U	LA6258HHDA	4265489	Intermediate, Center	1022	40.25	1-1/4	9	180	397
	D11 U, SU	LA6257HHDA	4265490	Center	1099	43.25	1-1/4	9	190	417
	D11 Carry Dozer	LA6263LA	4224003	End, Left	823	32.40	1-1/4	9	185	408
	D11 Carry Dozer	LA6263RA	4224004	End, Right	823	32.40	1-1/4	9	185	408
	D11 Carry Dozer	LA6264HHDB	4224002	Center	1003	39.50	1-1/4	8	233	512
Komatsu® Dozers	D375	LA2562R	4239001	End, Left	714	28.12	1-1/4	8	112	247
	D375	LA2562L	4239008	End, Right	714	28.12	1-1/4	8	112	247
	D375	LA2539HHD	5103524	Intermediate	857	33.75	1-1/4	5	101	223
	D375	LA2540HHD	5103525	Center	1187	46.75	1-1/4	5	159	349
Caterpillar® Motor Graders	14	LA6274GBA	4244551	Continuous	908	35.75	3/4	7	78	171
	14	LA6273SGBA	4245799	Serrated, 2.0" Spacing	908	35.75	3/4	7	51	112
	14, 16	LA6261GBA	4223419	Continuous	1213	47.75	3/4	9	101	223
	14, 16	LA6267SGBA	4223999	Serrated, 2.0" Spacing	1213	47.75	3/4	9	69	152
	16	LA6273GBA	4223995	Continuous, Heavy	1213	47.75	3/4	9	130	285
	16	LA6266SGBA	4223997	Serrated, 1.0" Spacing	1213	47.75	3/4	9	77	169
	16	LA6268SGB	4223996	Serrated, 2.25" Spacing	1213	47.75	3/4	9	71	156
	24	LA6269GBB	4223420	Continuous	1213	47.75	1	9	204	449
	24	LA6270SGB	5129155	Serrated, 2.0" Spacing	1213	47.75	1	9	166	365

Nose size recommendations

The ESCO® nose size recommendation chart is a useful guide for selecting the right size system for thousands of different machine models from all manufacturers of wheel loaders, hydraulic excavators (backhoes), skid steers, backhoe loaders, and hydraulic face shovels.

Identifying the correct size of nose is the first step in picking the best point and adapter selection for a given machine and application. Not only is it important to get a large enough size to perform under the severity of the application and machine power, but also to be sure the selection is not too large. An oversized system reduces machine performance unnecessarily, increasing fuel consumption, reducing penetration and bucket loading.

Just follow the simple steps noted below to insure the correct selection.

1. Find the manufacturer of the machine to be fitted from the alphabetical listing in the left hand column.
2. Pick the machine model number from the alpha-numerical listing in the column just to the right of the manufacturer. Please note there are some machines that come in multiple configurations (backhoe vs. face shovel). Be sure to select the correct one.
3. Select the application, STD, HD or XHD from the right hand columns. Application definitions can be found in the introduction pages at the front of the Ultralok® system sections.
4. Once the correct size is determined, go to the parts listing for that section and follow the instructions to select the correct point and adapter styles.

IMPORTANT: *When determining whether to go with the STD or HD versus XHD where a different nose size is listed, keep in mind the STD or HD size can operate occasionally in XHD for short periods, but if there is regular periods of XHD application, go with the larger size to reduce the chance of breakage and unwanted downtime. When there is a different size for each of the three applications (STD, HD and XHD), using the recommended STD size in a XHD size application is much more likely to result in breakage, even for short periods of operation.*

IMPORTANT: *For larger machines (heavy construction or mining class) where no nose size is specified, refer to the ESCO Mining GET Specifications, literature number P7009MIN.*

Application definition

The following application definitions are to be used in conjunction with the Nose Size Recommendations Guide in the rear section of this catalog to help select the best size for the application. If there are any questions on size selection, contact your ESCO representative for more information.

- **STD** (Standard Duty or General Purpose) - Light, loose, well-shot material such as dirt, clay, sand, gravel (not cemented), shot or friable coal or shale. Puts very little load on the equipment and uses minimum machine power.
- **HD** (Heavy Duty) - Medium to heavy, shot material (not tight or large slabs), such as rocky overburden or ore, unshot lens or partings of cemented material of rock which will easily break up into manageable sizes when excavated. Requires a moderate amount of machine power but at times can apply high loads on the equipment.
- **XHD** (Extra Heavy or Extreme Duty, Rock Application)- Heavy ore or unshot rock, tight or slabby shot rock that requires maximumor near maximum machine power to break out. Such applications usually cause the machine to rock during the digging cycle, and many times is accompanied by smoke where the tooth engages the material. Puts maximum loads on the equipment during most of the operation.

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
BOBCAT	E80	BACKHOE	5569	12280	8476	18689	V17	U20	U20
BOBCAT	442 ZTS	BACKHOE	5429	11970	7500	16538	V17	U20	U25
BOBCAT	E85	BACKHOE	6018	13269	8606	18977	V17	U20	U25
BOBCAT	E145	BACKHOE	9737	21471	15867	34987	U20	U25	U30
BOBCAT	453	SKID-STEER	884	1950	1662	3664	V13	V13	V13
BOBCAT	463	SKID-STEER	637	1405	1228	2708	V13	V13	V13
BOBCAT	553	SKID-STEER	864	1905	1680	3704	V13	V13	V13
BOBCAT	751	SKID-STEER	1814	4000	2166	4777	V13	V13	V13
BOBCAT	753	SKID-STEER	1814	4000	2150	4740	V13	V13	V13
BOBCAT	763	SKID-STEER	2041	4500	2434	5368	V13	V13	V13
BOBCAT	763H	SKID-STEER	2041	4500	2453	5408	V13	V13	V13
BOBCAT	773	SKID-STEER	2041	4500	2634	5808	V13	V13	V13
BOBCAT	863	SKID-STEER	2721	6000	3195	7045	V13	V13	V13
BOBCAT	864	SKID-STEER	1837	4050	3664	8080	V13	V13	V13
BOBCAT	873	SKID-STEER	2812	6200	3304	7285	V13	V13	V13
BOBCAT	883	SKID-STEER	2948	6500	3973	8760	V13	V13	V13
BOBCAT	963	SKID-STEER	3401	7500	4490	9900	V13	V13	V13
BOBCAT	A300	SKID-STEER	3933	8673	3933	8673	V13	V13	V13
BOBCAT	A770	SKID-STEER	4290	9460	4290	9460	V13	V13	V13
BOBCAT	B100	TLB	2453	5409	2609	5752	V13	V13	V13
BOBCAT	B200	TLB	2413	5320	2821	6220	V13	V13	V13
BOBCAT	B250	TLB	2422	5340	3070	6770	V13	V13	V13
BOBCAT	B300	TLB	3093	6821	4200	9260	V13	V13	V13
BOBCAT	MT50	SKID-STEER	227	500	1132	2497	V13	V13	V13
BOBCAT	MT52	SKID-STEER	1170	2580	1170	2580	V13	V13	V13
BOBCAT	MT55	SKID-STEER	1184	2610	1184	2610	V13	V13	V13
BOBCAT	S100	SKID-STEER	1901	4191	1901	4191	V13	V13	V13
BOBCAT	S130	SKID-STEER	2374	5235	2374	5235	V13	V13	V13
BOBCAT	S150	SKID-STEER	2692	5935	2692	5935	V13	V13	V13
BOBCAT	S160	SKID-STEER	2705	5965	2705	5965	V13	V13	V13
BOBCAT	S175	SKID-STEER	2853	6290	2853	6290	V13	V13	V13
BOBCAT	S185	SKID-STEER	2821	6220	2821	6220	V13	V13	V13
BOBCAT	S205	SKID-STEER	3018	6655	3018	6655	V13	V13	V13
BOBCAT	S220	SKID-STEER	3394	7483	3394	7483	V13	V13	V13
BOBCAT	S250	SKID-STEER	3549	7825	3549	7825	V13	V13	V13
BOBCAT	S300	SKID-STEER	3750	8268	3750	8268	V13	V13	V13
BOBCAT	S330	SKID-STEER	4166	9185	4166	9185	V13	V13	V13
BOBCAT	S630	SKID-STEER	3495	7707	3495	7707	V13	V13	V13
BOBCAT	S650	SKID-STEER	3776	8327	3776	8327	V13	V13	V13
BOBCAT	S70	SKID-STEER	1268	2795	1268	2795	V13	V13	V13
BOBCAT	S750	SKID-STEER	3959	8730	3959	8730	V13	V13	V13
BOBCAT	S770	SKID-STEER	4161	9175	4161	9175	V13	V13	V13
BOBCAT	T110	SKID-STEER	2359	5202	2359	5202	V13	V13	V13
BOBCAT	T140	SKID-STEER	3020	6660	3020	6660	V13	V13	V13
BOBCAT	T180	SKID-STEER	3458	7625	3458	7625	V13	V13	V13
BOBCAT	T190	SKID-STEER	3526	7775	3526	7775	V13	V13	V13
BOBCAT	T200	SKID-STEER	907	2000	3664	8080	V13	V13	V13
BOBCAT	T250	SKID-STEER	4239	9347	4239	9347	V13	V13	V13
BOBCAT	T550	SKID-STEER	3475	7662	3475	7662	V13	V13	V13
BOBCAT	T590	SKID-STEER	3569	7870	3569	7870	V13	V13	V13
BOBCAT	T630	SKID-STEER	4088	9015	4088	9015	V13	V13	V13
BOBCAT	T650	SKID-STEER	4281	9440	4281	9440	V13	V13	V13
BOBCAT	S850	SKID-STEER	4539	10008	4539	10008	V13	V13	V17
BOBCAT	T300	SKID-STEER	4400	9702	4400	9702	V13	V13	V17
BOBCAT	T320	SKID-STEER	4400	9702	4400	9702	V13	V13	V17
BOBCAT	T750	SKID-STEER	4683	10327	4683	10327	V13	V13	V17
BOBCAT	T770	SKID-STEER	4683	10327	4683	10327	V13	V13	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
BOBCAT	220	BACKHOE	1484	3272	1474	3250	V13	V13	V13
BOBCAT	225	BACKHOE	1752	3863	2467	5440	V13	V13	V13
BOBCAT	231	BACKHOE	2345	5170	3385	7465	V13	V13	V13
BOBCAT	316	BACKHOE	850	1874	760	1676	V13	V13	V13
BOBCAT	320	BACKHOE	1546	3408	1442	3180	V13	V13	V13
BOBCAT	322	BACKHOE	1546	3408	1599	3526	V13	V13	V13
BOBCAT	323	BACKHOE	1701	3751	1663	3668	V13	V13	V13
BOBCAT	324	BACKHOE	1642	3620	1555	3428	V13	V13	V13
BOBCAT	325	BACKHOE	2161	4766	2951	6506	V13	V13	V13
BOBCAT	328	BACKHOE	2161	4766	2787	6145	V13	V13	V13
BOBCAT	418 ZTS	BACKHOE	846	1865	1176	2593	V13	V13	V13
BOBCAT	425 ZTS	BACKHOE	2294	5058	2662	5870	V13	V13	V13
BOBCAT	B100	LOADER	1633	3600	2609	5752	V13	V13	V13
BOBCAT	B200	LOADER	1735	3825	2821	6220	V13	V13	V13
BOBCAT	B250	LOADER	1927	4250	3070	6770	V13	V13	V13
BOBCAT	B300	LOADER	3823	8430	4200	9260	V13	V13	V13
BOBCAT	X320	BACKHOE	1546	3408	1560	3440	V13	V13	V13
BOBCAT	X325	BACKHOE	2071	4566	2731	6022	V13	V13	V13
BOBCAT	X328	BACKHOE	938	2068	2746	6054	V13	V13	V13
BOBCAT	X334	BACKHOE	1305	2878	3283	7238	V13	V13	V13
BOBCAT	329	BACKHOE	3114	6866	3220	7099	V13	V13	V17
BOBCAT	331	BACKHOE	3114	6866	3517	7756	V13	V13	V17
BOBCAT	331E	BACKHOE	3114	6866	3505	7728	V13	V13	V17
BOBCAT	334	BACKHOE	3114	6866	3419	7538	V13	V13	V17
BOBCAT	335	BACKHOE	3579	7892	4159	9170	V13	V13	V17
BOBCAT	430	BACKHOE	3114	6866	3633	8011	V13	V13	V17
BOBCAT	E32	BACKHOE	3211	7081	3258	7183	V13	V13	V17
BOBCAT	E35 ZTS	BACKHOE	3211	7081	3387	7468	V13	V13	V17
BOBCAT	X331	BACKHOE	3237	7138	3275	7221	V13	V13	V17
BOBCAT	X337	BACKHOE	2743	6048	4990	11003	V13	V13	V17
BOBCAT	T870	SKID-STEER	5750	12678	5750	12678	V17	V17	V17
BOBCAT	130	BACKHOE	4499	9920	7048	15540	V13	V17	U20
BOBCAT	E55	BACKHOE	4071	8977	5444	12004	V13	V17	U20
BOBCAT	E60	BACKHOE	4135	9117	6148	13556	V13	V17	U20
BOBCAT	E63	BACKHOE	4413	9731	6249	13779	V13	V17	U20
BOBCAT	337	BACKHOE	4203	9267	5028	11086	V13	V17	V17
BOBCAT	341	BACKHOE	4203	9267	5288	11660	V13	V17	V17
BOBCAT	435	BACKHOE	3579	7892	4711	10388	V13	V17	V17
BOBCAT	E42	BACKHOE	4129	9105	4193	9246	V13	V17	V17
BOBCAT	E45 ZTS	BACKHOE	3650	8048	4570	10077	V13	V17	V17
BOBCAT	E50	BACKHOE	4282	9442	4842	10677	V13	V17	V17
BOBCAT	X335	BACKHOE	3726	8215	4858	10712	V13	V17	V17
CASE	580 SUPER L	TLB	5815	12821	7148	15761	U20	U20	U20
CASE	580 SUPER LE	TLB	5954	13129	7820	17243	U20	U20	U20
CASE	580 SUPER M	TLB	5815	12821	7957	17545	U20	U20	U20
CASE	580 SUPER M+	TLB	5815	12821	8221	18128	U20	U20	U20
CASE	580 SUPER N	TLB	6450	14223	7812	17226	U20	U20	U20
CASE	580 SUPER N WT	TLB	6726	14831	9063	19985	U20	U20	U20
CASE	580SK	TLB	5510	12150	6089	13426	U20	U20	U20
CASE	590 SUPER L	TLB	6675	14718	7946	17522	U20	U20	U20
CASE	590 SUPER LE	TLB	5720	12612	8045	17739	U20	U20	U20
CASE	590 SUPER M	TLB	6675	14718	8879	19578	U20	U20	U20
CASE	590 SUPER M+	TLB	6675	14718	8879	19578	U20	U20	U20
CASE	590 SUPER N	TLB	6776	14940	9278	20458	U20	U20	U20
CASE	595 SUPER LE	TLB	5822	12837	7625	16813	U20	U20	U20
CASE	780D	TLB	5578	12300	10551	23264	U20	U20	U20
CASE	780K	TLB	6186	13640	9836	21689	U20	U20	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	621	LOADER	11929	26304	11132	24547	U20	U20	U25
CASE	9007B	BACKHOE	5646	12450	6899	15212	V17	U20	U20
CASE	CX75	BACKHOE	5801	12792	7922	17468	V17	U20	U20
CASE	CX80	BACKHOE	5801	12792	8429	18585	V17	U20	U20
CASE	115	LOADER	8463	18660	13206	29120	V17	U20	U25
CASE	1150	LOADER	8463	18660	13206	29120	V17	U20	U25
CASE	1155E	LOADER	10094	22257	11791	26000	V17	U20	U25
CASE	488C	BACKHOE	6500	14333	8400	18522	V17	U20	U25
CASE	488C LS	BACKHOE	6525	14388	8850	19514	V17	U20	U25
CASE	488P	BACKHOE	6525	14388	8600	18963	V17	U20	U25
CASE	521D XT	LOADER	9945	21929	10856	23938	V17	U20	U25
CASE	521D Z-BAR	LOADER	8795	19392	10027	22109	V17	U20	U25
CASE	521E XR	LOADER	10641	23463	10631	23442	V17	U20	U25
CASE	521E Z-BAR	LOADER	9490	20926	10462	23069	V17	U20	U25
CASE	521G	LOADER	8785	19370	11016	24290	V17	U20	U25
CASE	588P	BACKHOE	5353	11803	12460	27474	V17	U20	U25
CASE	621B	LOADER	10665	23516	12420	27386	V17	U20	U25
CASE	621C XT	LOADER	10609	23392	13066	28810	V17	U20	U25
CASE	CX210B LR	BACKHOE	6627	14613	22975	50660	V17	U20	U25
CASE	W18	LOADER	10400	22932	9143	20160	V17	U20	U25
CASE	W20	LOADER	10400	22932	10362	22848	V17	U20	U25
CASE	W24B	LOADER	9890	21808	11581	25536	V17	U20	U25
CASE	1450B	LOADER	12133	26754	15949	35168	U20	U25	U25
CASE	1455D	LOADER	11317	24955	15941	35150	U20	U25	U25
CASE	521E XT	LOADER	11426	25194	12182	26861	U20	U25	U25
CASE	621B XR	LOADER	11103	24482	12138	26764	U20	U25	U25
CASE	621B XT	LOADER	12141	26772	12483	27524	U20	U25	U25
CASE	621C XR	LOADER	11339	25002	12286	27091	U20	U25	U25
CASE	621C Z-BAR	LOADER	11383	25100	12115	26714	U20	U25	U25
CASE	621D XR	LOADER	11596	25569	11956	26364	U20	U25	U25
CASE	621D XT	LOADER	12127	26739	12643	27877	U20	U25	U25
CASE	621D Z-BAR	LOADER	11253	24813	11829	26083	U20	U25	U25
CASE	621E XT	LOADER	12134	26756	13020	28709	U20	U25	U25
CASE	621E Z-BAR	LOADER	12053	26577	12429	27406	U20	U25	U25
CASE	621F XT	LOADER	11480	25313	12560	27695	U20	U25	U25
CASE	621F Z-BAR	LOADER	11531	25426	12082	26641	U20	U25	U25
CASE	621G	LOADER	11559	25487	12771	28159	U20	U25	U25
CASE	880D	BACKHOE	7347	16200	14558	32100	U20	U25	U25
CASE	CX210	BACKHOE	7105	15666	21580	47584	U20	U25	U25
CASE	CX210 LR	BACKHOE	7105	15666	21580	47584	U20	U25	U25
CASE	1450	LOADER	12439	27428	15949	35168	U20	U25	U30
CASE	1455	LOADER	12290	27100	15941	35150	U20	U25	U30
CASE	588CK	BACKHOE	8922	19672	13180	29062	U20	U25	U30
CASE	621E XR	LOADER	12415	27375	12519	27604	U20	U25	U30
CASE	621F XR	LOADER	12730	28069	12278	27072	U20	U25	U30
CASE	688	BACKHOE	9700	21389	13200	29106	U20	U25	U30
CASE	688P	BACKHOE	9700	21389	13100	28886	U20	U25	U30
CASE	721	LOADER	14580	32149	13357	29453	U20	U25	U30
CASE	721B	LOADER	14573	32133	13099	28884	U20	U25	U30
CASE	721B XR	LOADER	14532	32044	13173	29046	U20	U25	U30
CASE	721B XT	LOADER	13954	30768	13442	29640	U20	U25	U30
CASE	721C XT	LOADER	12742	28097	13988	30843	U20	U25	U30
CASE	721D	LOADER	14255	31433	14051	30982	U20	U25	U30
CASE	721D XT	LOADER	12719	28046	14319	31574	U20	U25	U30
CASE	721D Z-BAR	LOADER	14255	31433	13898	30644	U20	U25	U30
CASE	721E XT	LOADER	13048	28770	14434	31827	U20	U25	U30
CASE	788CK	BACKHOE	9890	21808	14300	31532	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	788LC	BACKHOE	9890	21808	15230	33582	U20	U25	U30
CASE	788P	BACKHOE	9890	21808	13995	30859	U20	U25	U30
CASE	821C	LOADER	13821	30476	17189	37901	U20	U25	U30
CASE	821C XR	LOADER	13743	30303	17371	38304	U20	U25	U30
CASE	9010B	BACKHOE	8698	19180	12698	28000	U20	U25	U30
CASE	9020B	BACKHOE	10299	22710	15997	35274	U20	U25	U30
CASE	988P	BACKHOE	9074	20009	15320	33781	U20	U25	U30
CASE	CX130	BACKHOE	10362	22848	12871	28380	U20	U25	U30
CASE	CX130B	BACKHOE	9686	21357	13651	30100	U20	U25	U30
CASE	CX130D	BACKHOE	9705	21400	13197	29100	U20	U25	U30
CASE	CX135	BACKHOE	9145	20165	13438	29631	U20	U25	U30
CASE	CX145C SR	BACKHOE	9705	21400	14498	31967	U20	U25	U30
CASE	CX145D	BACKHOE	9705	21400	14558	32100	U20	U25	U30
CASE	CX240 LR	BACKHOE	8416	18558	27468	60568	U20	U25	U30
CASE	CX240B LR	BACKHOE	7850	17310	27995	61730	U20	U25	U30
CASE	W36	LOADER	13968	30800	18286	40320	U20	U25	U30
CASE	721C XR	LOADER	15931	35128	13540	29856	U25	U25	U30
CASE	721C Z-BAR	LOADER	15875	35005	13438	29630	U25	U25	U30
CASE	721E XR	LOADER	14865	32778	14445	31852	U25	U25	U30
CASE	721E Z-BAR	LOADER	14947	32958	13898	30644	U25	U25	U30
CASE	721F XR	LOADER	16061	35415	14508	31991	U25	U25	U30
CASE	721F XT	LOADER	14439	31837	14666	32339	U25	U25	U30
CASE	721F Z-BAR	LOADER	16144	35598	14290	31510	U25	U25	U30
CASE	721G	LOADER	14584	32158	14736	32492	U25	U25	U30
CASE	821	LOADER	17537	38669	16467	36310	U25	U30	U30
CASE	821B	LOADER	17956	39592	17689	39004	U25	U30	U30
CASE	821B XR	LOADER	16504	36391	16798	37040	U25	U30	U30
CASE	821C Z-BAR	LOADER	16504	36391	17189	37901	U25	U30	U30
CASE	821E XR	LOADER	18761	41369	17707	39045	U25	U30	U30
CASE	821E Z-BAR	LOADER	18475	40738	17163	37844	U25	U30	U30
CASE	821F Z-BAR	LOADER	20095	44310	17630	38875	U25	U30	U30
CASE	821G	LOADER	16004	35288	18166	40057	U25	U30	U30
CASE	921G	LOADER	17092	37688	20440	45070	U25	U30	U30
CASE	1021G	LOADER	20430	45049	25562	56365	U25	U30	U35
CASE	1080B	BACKHOE	12200	26900	19986	44070	U25	U30	U35
CASE	1085B	BACKHOE	10159	22400	17630	38875	U25	U30	U35
CASE	1085C	BACKHOE	10566	23298	18576	40960	U25	U30	U35
CASE	821F XR	LOADER	20410	45003	18012	39716	U25	U30	U35
CASE	888	BACKHOE	10808	23831	16157	35626	U25	U30	U35
CASE	888C	BACKHOE	12500	27563	16200	35721	U25	U30	U35
CASE	888P	BACKHOE	12500	27563	15100	33296	U25	U30	U35
CASE	9030B	BACKHOE	12698	28000	20200	44540	U25	U30	U35
CASE	921E XR	LOADER	20259	44671	23907	52714	U25	U30	U35
CASE	921E Z-BAR	LOADER	20171	44476	22958	50622	U25	U30	U35
CASE	921F XR	LOADER	20916	46119	19995	44090	U25	U30	U35
CASE	921F Z-BAR	LOADER	20569	45355	19854	43778	U25	U30	U35
CASE	988CKE	BACKHOE	12490	27540	17195	37915	U25	U30	U35
CASE	CX160	BACKHOE	11857	26145	16429	36226	U25	U30	U35
CASE	CX160B	BACKHOE	12030	26527	17098	37700	U25	U30	U35
CASE	CX160D	BACKHOE	12018	26500	17415	38400	U25	U30	U35
CASE	1121G	LOADER	22646	49934	27959	61650	U30	U30	U35
CASE	921	LOADER	22353	49289	23285	51344	U30	U30	U35
CASE	921B	LOADER	22353	49289	23285	51344	U30	U30	U35
CASE	921B XR	LOADER	22800	50275	22924	50547	U30	U30	U35
CASE	921C XR	LOADER	22873	50434	23388	51570	U30	U30	U35
CASE	921C Z-BAR	LOADER	22800	50275	22957	50621	U30	U30	U35
CASE	CX210 N	BACKHOE	14056	30994	20165	44463	U30	U35	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	1088	BACKHOE	15192	33498	20696	45635	U30	U35	U40
CASE	1088C	BACKHOE	14900	32855	20700	45644	U30	U35	U40
CASE	1088P	BACKHOE	14900	32855	18200	40131	U30	U35	U40
CASE	1188 LC	BACKHOE	15192	33498	22240	49039	U30	U35	U40
CASE	1188CK	BACKHOE	15192	33498	21580	47584	U30	U35	U40
CASE	1188P	BACKHOE	15192	33498	19870	43813	U30	U35	U40
CASE	1221E XR	LOADER	25673	56610	30395	67020	U30	U35	U40
CASE	1221E Z-BAR	LOADER	26454	58330	30354	66930	U30	U35	U40
CASE	125B	BACKHOE	15669	34550	24182	53322	U30	U35	U40
CASE	9040B	BACKHOE	15397	33950	24222	53410	U30	U35	U40
CASE	9045B	BACKHOE	15397	33950	28254	62300	U30	U35	U40
CASE	CX210B	BACKHOE	15497	34171	21497	47400	U30	U35	U40
CASE	CX210B N	BACKHOE	15497	34171	21406	47200	U30	U35	U40
CASE	CX210C	BACKHOE	15497	34171	21678	47800	U30	U35	U40
CASE	CX210D	BACKHOE	15692	34600	22177	48900	U30	U35	U40
CASE	CX225	BACKHOE	14376	31698	24196	53352	U30	U35	U40
CASE	CX235C SR	BACKHOE	15497	34170	25410	56029	U30	U35	U40
CASE	CX240	BACKHOE	17375	38312	24145	53240	U30	U35	U40
CASE	CX240B	BACKHOE	17740	39117	24998	55120	U30	U35	U40
CASE	CX245D	BACKHOE	15692	34600	25805	56900	U30	U35	U40
CASE	CX250C	BACKHOE	17741	39120	25125	55400	U30	U35	U40
CASE	CX290	BACKHOE	17638	38892	29354	64725	U30	U35	U40
CASE	CX250D	BACKHOE	17946	39570	25805	56900	U35	U40	U40
CASE	1288	BACKHOE	18400	40572	28000	61740	U35	U40	U45
CASE	1288 LC	BACKHOE	18454	40692	26240	57859	U35	U40	U45
CASE	1288 LLCMAXI	BACKHOE	18454	40692	37000	81585	U35	U40	U45
CASE	1288 NLC	BACKHOE	18454	40692	26210	57793	U35	U40	U45
CASE	1288CK	BACKHOE	18454	40692	25895	57098	U35	U40	U45
CASE	1488 LC	BACKHOE	21208	46763	33625	74143	U35	U40	U45
CASE	1488 NLC	BACKHOE	21207	46762	33555	73989	U35	U40	U45
CASE	170C	BACKHOE	19048	42000	32832	72395	U35	U40	U45
CASE	9033	BACKHOE	19495	42986	32994	72752	U35	U40	U45
CASE	9050B	BACKHOE	19488	42970	33374	73590	U35	U40	U45
CASE	CX290B	BACKHOE	19392	42759	29795	65697	U35	U40	U45
CASE	CX300C	BACKHOE	17741	39120	29887	65900	U35	U40	U45
CASE	CX300D	BACKHOE	19401	42780	30476	67200	U35	U40	U45
CASE	220B	BACKHOE	24381	53760	43293	95460	U40	U45	U55
CASE	220C	BACKHOE	24381	53760	43175	95200	U40	U45	U55
CASE	9046	BACKHOE	24532	54092	46192	101853	U40	U45	U55
CASE	9060B	BACKHOE	24519	54065	45329	99950	U40	U45	U55
CASE	CX330	BACKHOE	25326	55843	35394	78043	U40	U45	U55
CASE	CX350B	BACKHOE	25326	55843	35857	79065	U40	U45	U55
CASE	CX350D	BACKHOE	25469	56160	37370	82400	U40	U45	U55
CASE	CX460	BACKHOE	27527	60698	46700	102974	U45	U55	U60
CASE	CX470B	BACKHOE	27527	60698	47075	103800	U45	U55	U60
CASE	CX490D	BACKHOE	27528	60700	49569	109300	U45	U55	U60
CASE	CX500D	BACKHOE	31927	70400	50703	111800	U45	U55	U60
CASE	CX700	BACKHOE	29566	65194	69524	153300	U45	U55	U60
CASE	CX700B	BACKHOE	32319	71264	69569	153400	U55	U60	U60
CASE	CX750D	BACKHOE	34054	75090	71791	158300	U55	U60	U60
CASE	CX800	BACKHOE	36805	81156	79460	175210	U55	U60	U60
CASE	CX800B	BACKHOE	36805	81156	80986	178575	U55	U60	U60
CASE	1825B	SKID-STEER	785	1730	1409	3107	V13	V13	V13
CASE	40XT	SKID-STEER	1718	3788	2592	5716	V13	V13	V13
CASE	410 III	SKID-STEER	2111	4654	2463	5430	V13	V13	V13
CASE	420 III	SKID-STEER	2494	5500	2995	6605	V13	V13	V13
CASE	420CT III	SKID-STEER	2574	5675	3782	8340	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	430 III	SKID-STEER	2623	5784	3084	6800	V13	V13	V13
CASE	435 III	SKID-STEER	2857	6300	3075	6780	V13	V13	V13
CASE	440 III	SKID-STEER	2815	6207	3193	7040	V13	V13	V13
CASE	440CT III	SKID-STEER	3356	7400	4048	8925	V13	V13	V13
CASE	445 III	SKID-STEER	3356	7400	3683	8120	V13	V13	V13
CASE	445CT III	SKID-STEER	3039	6700	4626	10200	V13	V13	V13
CASE	450 III	SKID-STEER	3271	7213	3914	8630	V13	V13	V13
CASE	450CT III	SKID-STEER	2812	6200	4955	10925	V13	V13	V13
CASE	465 III	SKID-STEER	3356	7400	4025	8875	V13	V13	V13
CASE	480E	TLB	2184	4815	4976	10971	V13	V13	V13
CASE	480E LL	TLB	2875	6340	3314	7308	V13	V13	V13
CASE	60XT	SKID-STEER	2292	5054	2976	6562	V13	V13	V13
CASE	70XT	SKID-STEER	2669	5885	3132	6906	V13	V13	V13
CASE	75XT	SKID-STEER	2436	5371	3039	6700	V13	V13	V13
CASE	85XT	SKID-STEER	2800	6175	3654	8057	V13	V13	V13
CASE	90XT	SKID-STEER	2812	6200	4059	8950	V13	V13	V13
CASE	95XT	SKID-STEER	2800	6175	4104	9050	V13	V13	V13
CASE	SR130	SKID-STEER	1887	4160	2268	5000	V13	V13	V13
CASE	SR150	SKID-STEER	1887	4160	2404	5300	V13	V13	V13
CASE	SR160B	SKID-STEER	2390	5270	2560	5645	V13	V13	V13
CASE	SR175	SKID-STEER	3240	7145	2812	6200	V13	V13	V13
CASE	SR175B	SKID-STEER	3297	7270	2844	6270	V13	V13	V13
CASE	SR185B	SKID-STEER	2517	5550	2980	6570	V13	V13	V13
CASE	SR200	SKID-STEER	3240	7145	3129	6900	V13	V13	V13
CASE	SR210B	SKID-STEER	3297	7270	3161	6970	V13	V13	V13
CASE	SR220	SKID-STEER	3893	8585	3356	7400	V13	V13	V13
CASE	SR240B	SKID-STEER	3937	8680	3356	7400	V13	V13	V13
CASE	SR250	SKID-STEER	3893	8585	3492	7700	V13	V13	V13
CASE	SR270B	SKID-STEER	3935	8677	3681	8117	V13	V13	V13
CASE	SR280B	SKID-STEER	3980	8776	3628	8000	V13	V13	V13
CASE	SV185	SKID-STEER	2465	5435	2948	6500	V13	V13	V13
CASE	SV250	SKID-STEER	3893	8585	3628	8000	V13	V13	V13
CASE	SV300	SKID-STEER	3893	8585	3764	8300	V13	V13	V13
CASE	TR270	SKID-STEER	3240	7145	3719	8200	V13	V13	V13
CASE	TR320	SKID-STEER	3893	8585	4354	9600	V13	V13	V13
CASE	TV380	SKID-STEER	3893	8585	4626	10200	V13	V13	V13
CASE	SR340B	SKID-STEER	4322	9531	4127	9100	V13	V13	V17
CASE	15	BACKHOE	1300	2866	1517	3345	V13	V13	V13
CASE	16	BACKHOE	1300	2866	1617	3565	V13	V13	V13
CASE	1818	LOADER	714	1574	1176	2593	V13	V13	V13
CASE	1825	LOADER	714	1574	1432	3158	V13	V13	V13
CASE	1825B	LOADER	814	1795	1409	3107	V13	V13	V13
CASE	1835C	LOADER	1390	3066	2245	4950	V13	V13	V13
CASE	1838	LOADER	1390	3066	2366	5216	V13	V13	V13
CASE	1840	LOADER	1390	3066	2521	5558	V13	V13	V13
CASE	1845C	LOADER	2127	4690	2760	6085	V13	V13	V13
CASE	21B	LOADER	3500	7717	3650	8048	V13	V13	V13
CASE	21E	LOADER	3803	8386	4743	10459	V13	V13	V13
CASE	28	BACKHOE	2156	4755	2810	6196	V13	V13	V13
CASE	31	BACKHOE	2508	5531	3110	6858	V13	V13	V13
CASE	35	BACKHOE	2799	6171	3450	7607	V13	V13	V13
CASE	380B	LOADER	2447	5396	2927	6453	V13	V13	V13
CASE	480F LL	LOADER	2651	5845	4172	9200	V13	V13	V13
CASE	570L XT	LOADER	3608	7956	5881	12967	V13	V13	V13
CASE	580N	LOADER	4311	9506	7916	17454	V13	V13	V13
CASE	CX14	BACKHOE	1111	2450	1469	3240	V13	V13	V13
CASE	CX17B	BACKHOE	1550	3417	1650	3638	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	CX25	BACKHOE	1652	3642	2520	5556	V13	V13	V13
CASE	CX27B	BACKHOE	2880	6351	2520	5556	V13	V13	V13
CASE	CX31	BACKHOE	2386	5261	3000	6614	V13	V13	V13
CASE	CX36	BACKHOE	2385	5260	3509	7738	V13	V13	V13
CASE	121B	LOADER	4900	10804	4700	10364	V13	V13	V17
CASE	121E	LOADER	4546	10024	5110	11268	V13	V13	V17
CASE	21D	LOADER	5097	11238	4703	10370	V13	V13	V17
CASE	221B	LOADER	4900	10804	5555	12248	V13	V13	V17
CASE	221D	LOADER	5555	12248	5528	12189	V13	V13	V17
CASE	221E	LOADER	4621	10189	5564	12268	V13	V13	V17
CASE	321E	LOADER	5434	11982	5894	12997	V13	V13	V17
CASE	455C	LOADER	4894	10791	6546	14433	V13	V13	V17
CASE	50	BACKHOE	3222	7104	4520	9967	V13	V13	V17
CASE	570M XT	LOADER	4683	10325	6622	14601	V13	V13	V17
CASE	580 SUPER L	LOADER	4384	9667	7148	15761	V13	V13	V17
CASE	580 SUPER M	LOADER	4672	10302	7957	17545	V13	V13	V17
CASE	580 SUPER M+	LOADER	4672	10302	8221	18128	V13	V13	V17
CASE	580 SUPER N	LOADER	4459	9833	7812	17226	V13	V13	V17
CASE	580 SUPER N WT	LOADER	5193	11450	9063	19985	V13	V13	V17
CASE	580M	LOADER	4683	10325	7488	16510	V13	V13	V17
CASE	580M TURBO	LOADER	4683	10325	7488	16510	V13	V13	V17
CASE	590 SUPER L	LOADER	4866	10729	7946	17522	V13	V13	V17
CASE	590 SUPER M	LOADER	5444	12004	8879	19578	V13	V13	V17
CASE	590 SUPER M+	LOADER	5444	12004	8879	19578	V13	V13	V17
CASE	590 SUPER N	LOADER	5199	11463	9278	20458	V13	V13	V17
CASE	CK62	BACKHOE	3190	7033	6224	13725	V13	V13	V17
CASE	CX47	BACKHOE	3629	8003	4729	10428	V13	V13	V17
CASE	W11	LOADER	4996	11016	5181	11424	V13	V13	V17
CASE	W11B	LOADER	4894	10791	5562	12264	V13	V13	V17
CASE	480F	TLB	3681	8116	5465	12051	V17	V17	V17
CASE	570N EP	TLB	4683	10325	6580	14508	V17	V17	V17
CASE	580K	TLB	3673	8100	3984	8785	V17	V17	V17
CASE	580L	TLB	5085	11212	6860	15126	V17	V17	V17
CASE	580L TURBO	TLB	5085	11212	6871	15151	V17	V17	V17
CASE	580LE	TLB	4670	10297	7420	16361	V17	V17	V17
CASE	580M	TLB	5085	11212	7488	16510	V17	V17	V17
CASE	580M TURBO	TLB	5085	11212	7488	16510	V17	V17	V17
CASE	580N	TLB	5140	11334	7916	17454	V17	V17	V17
CASE	680K	TLB	5120	11289	8132	17932	V17	V17	V17
CASE	680L	TLB	4544	10020	8258	18208	V17	V17	V17
CASE	14C	LOADER	7035	15513	8097	17853	V13	V17	U20
CASE	321D	LOADER	7236	15955	6088	13424	V13	V17	U20
CASE	421B	LOADER	7000	15434	7000	15435	V13	V17	U20
CASE	850	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	850B	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	850C	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	850D	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	850E	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	855C	LOADER	6525	14388	9244	20384	V13	V17	U20
CASE	855D	LOADER	6729	14838	9111	20090	V13	V17	U20
CASE	855E	LOADER	6525	14388	9789	21585	V13	V17	U20
CASE	CX330 LR	BACKHOE	4476	9869	40950	90294	V13	V17	U20
CASE	CX50B	BACKHOE	5047	11128	4654	10261	V13	V17	U20
CASE	W14C	LOADER	7239	15962	8091	17840	V13	V17	U20
CASE	321B	LOADER	6000	13229	6200	13671	V13	V17	V17
CASE	545	BACKHOE	4053	8936	4200	9261	V13	V17	V17
CASE	CX31B	BACKHOE	3823	8430	3029	6679	V13	V17	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CASE	CX36B	BACKHOE	3823	8430	3609	7958	V13	V17	V17
CASE	W14	LOADER	6117	13489	7619	16800	V13	V17	V17
CASE	W15	LOADER	7545	16637	8229	18144	V17	V17	U20
CAT	420D	TLB	6672	14712	9798	21605	U20	U20	U20
CAT	420D IT	TLB	6672	14712	9798	21605	U20	U20	U20
CAT	420E	TLB	6293	13875	10998	24251	U20	U20	U20
CAT	420E IT	TLB	6293	13875	10998	24251	U20	U20	U20
CAT	426B	TLB	6549	14440	6789	14970	U20	U20	U20
CAT	426C	TLB	6549	14440	7051	15548	U20	U20	U20
CAT	428C	TLB	5465	12050	8120	17905	U20	U20	U20
CAT	430D	TLB	6681	14732	9798	21605	U20	U20	U20
CAT	430D IT	TLB	6681	14732	9798	21605	U20	U20	U20
CAT	436B	TLB	6531	14400	6842	15086	U20	U20	U20
CAT	436C	TLB	6531	14400	7117	15694	U20	U20	U20
CAT	438B	TLB	6015	13264	7999	17637	U20	U20	U20
CAT	438B AWS	TLB	6015	13264	8298	18298	U20	U20	U20
CAT	438C	TLB	5465	12050	8020	17684	U20	U20	U20
CAT	438C AWS	TLB	5526	12185	8020	17684	U20	U20	U20
CAT	446	TLB	5683	12530	3982	8781	U20	U20	U20
CAT	446B	TLB	6893	15200	8890	19603	U20	U20	U20
CAT	IT14G	LOADER	8456	18645	8450	18632	V17	U20	U20
CAT	308D CR	BACKHOE	6117	13489	7848	17305	V17	U20	U25
CAT	308D CR SB	BACKHOE	6117	13489	8399	18519	V17	U20	U25
CAT	320 LR	BACKHOE	6168	13600	20018	44140	V17	U20	U25
CAT	320B L SLR	BACKHOE	6168	13601	22268	49100	V17	U20	U25
CAT	322B L SLR	BACKHOE	6168	13601	26494	58420	V17	U20	U25
CAT	322C SLR	BACKHOE	6218	13710	24308	53600	V17	U20	U25
CAT	416F	BACKHOE	5883	12973	10998	24251	V17	U20	U25
CAT	918F	LOADER	10706	23606	9143	20160	V17	U20	U25
CAT	924F	LOADER	9470	20881	9107	20081	V17	U20	U25
CAT	924GZ	LOADER	9874	21772	10844	23912	V17	U20	U25
CAT	924HZ	LOADER	10732	23665	10966	24180	V17	U20	U25
CAT	926	LOADER	9278	20459	9096	20056	V17	U20	U25
CAT	926E	LOADER	9482	20908	9499	20946	V17	U20	U25
CAT	939C HYSTAT	LOADER	9382	20688	10029	22113	V17	U20	U25
CAT	943	LOADER	8667	19110	13302	29330	V17	U20	U25
CAT	955L	LOADER	9890	21808	15441	34048	V17	U20	U25
CAT	966C	LOADER	10117	22309	16837	37125	V17	U20	U25
CAT	IT18B	LOADER	9584	21133	9798	21605	V17	U20	U25
CAT	IT18F	LOADER	10502	23156	10050	22160	V17	U20	U25
CAT	IT24F	LOADER	10365	22855	9989	22025	V17	U20	U25
CAT	IT28	LOADER	9482	20908	9472	20886	V17	U20	U25
CAT	IT28B	LOADER	10502	23156	10578	23325	V17	U20	U25
CAT	430E	TLB	7207	15892	10998	24251	U25	U25	U25
CAT	430E IT	TLB	7207	15892	10998	24251	U25	U25	U25
CAT	446D	TLB	7687	16950	11500	25357	U25	U25	U25
CAT	450E	TLB	8048	17746	10948	24141	U25	U25	U30
CAT	205 LC	BACKHOE	7483	16500	13033	28737	U20	U25	U25
CAT	205B LC	BACKHOE	7100	15656	13500	29768	U20	U25	U25
CAT	206	BACKHOE	7483	16500	12063	26600	U20	U25	U25
CAT	206B FT	BACKHOE	7100	15656	14200	31311	U20	U25	U25
CAT	311	BACKHOE	8163	18000	12553	27680	U20	U25	U25
CAT	311B	BACKHOE	8163	18000	12553	27680	U20	U25	U25
CAT	311C	BACKHOE	8163	18000	11977	26410	U20	U25	U25
CAT	924G	LOADER	12249	27008	11333	24990	U20	U25	U25
CAT	924H	LOADER	11334	24992	11630	25644	U20	U25	U25
CAT	928F	LOADER	11590	25556	12287	27093	U20	U25	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	928G	LOADER	11739	25884	12308	27140	U20	U25	U25
CAT	936	LOADER	12745	28103	11894	26227	U20	U25	U25
CAT	938G	LOADER	11154	24594	13450	29657	U20	U25	U25
CAT	953B	LOADER	11184	24661	14583	32156	U20	U25	U25
CAT	E110B	BACKHOE	7498	16534	11519	25400	U20	U25	U25
CAT	E120B	BACKHOE	7898	17416	12834	28300	U20	U25	U25
CAT	IT28G	LOADER	11490	25336	12635	27860	U20	U25	U25
CAT	IT38G	LOADER	12122	26730	13688	30183	U20	U25	U25
CAT	IT38G II	LOADER	11224	24750	14583	32156	U20	U25	U25
CAT	205B	BACKHOE	7798	17194	14499	31970	U20	U25	U30
CAT	211	BACKHOE	9448	20832	15035	33152	U20	U25	U30
CAT	211 LC	BACKHOE	9524	21000	15397	33951	U20	U25	U30
CAT	212	BACKHOE	9524	21000	13797	30423	U20	U25	U30
CAT	213	BACKHOE	9524	21000	16356	36064	U20	U25	U30
CAT	213 LC	BACKHOE	9524	21000	17197	37919	U20	U25	U30
CAT	213B LC	BACKHOE	9524	21000	18794	41440	U20	U25	U30
CAT	214	BACKHOE	9524	21000	15499	34175	U20	U25	U30
CAT	214B	BACKHOE	9524	21000	16454	36280	U20	U25	U30
CAT	214B FT	BACKHOE	9524	21000	18351	40465	U20	U25	U30
CAT	215	BACKHOE	9524	21000	19505	43008	U20	U25	U30
CAT	215 LC	BACKHOE	9524	21000	18005	39700	U20	U25	U30
CAT	311D LRR	BACKHOE	9167	20214	12478	27514	U20	U25	U30
CAT	311F L RR	BACKHOE	9073	20007	12998	28660	U20	U25	U30
CAT	312	BACKHOE	8617	19000	13887	30620	U20	U25	U30
CAT	312B	BACKHOE	8617	19000	13887	30620	U20	U25	U30
CAT	312B L	BACKHOE	8617	19000	14109	31110	U20	U25	U30
CAT	312C	BACKHOE	8562	18880	13138	28970	U20	U25	U30
CAT	312C L	BACKHOE	8562	18880	13138	28970	U20	U25	U30
CAT	312D	BACKHOE	9811	21634	12916	28480	U20	U25	U30
CAT	312D L	BACKHOE	9811	21634	13447	29650	U20	U25	U30
CAT	313 GC	BACKHOE	10059	22180	13787	30400	U20	U25	U30
CAT	313B CR	BACKHOE	7846	17300	13222	29155	U20	U25	U30
CAT	313F	BACKHOE	10059	22180	13787	30400	U20	U25	U30
CAT	313F GC	BACKHOE	9705	21400	13288	29300	U20	U25	U30
CAT	314C CR	BACKHOE	8526	18800	14599	32190	U20	U25	U30
CAT	314C LCR	BACKHOE	8526	18800	14780	32590	U20	U25	U30
CAT	314D CR	BACKHOE	8662	19100	13998	30865	U20	U25	U30
CAT	314D LCR	BACKHOE	8662	19100	14098	31085	U20	U25	U30
CAT	315	BACKHOE	10091	22250	16281	35900	U20	U25	U30
CAT	315B	BACKHOE	10091	22250	16281	35900	U20	U25	U30
CAT	315B L	BACKHOE	10091	22250	16780	37000	U20	U25	U30
CAT	315C	BACKHOE	10091	22250	16399	36160	U20	U25	U30
CAT	315F	BACKHOE	10059	22180	15420	34000	U20	U25	U30
CAT	315F L	BACKHOE	9714	21420	17140	37794	U20	U25	U30
CAT	928GZ	LOADER	12602	27787	12308	27140	U20	U25	U30
CAT	928HZ	LOADER	12602	27787	12562	27699	U20	U25	U30
CAT	930G	LOADER	13820	30472	13027	28725	U20	U25	U30
CAT	930H	LOADER	15577	34348	13027	28725	U20	U25	U30
CAT	936F	LOADER	13093	28869	12717	28040	U20	U25	U30
CAT	938F	LOADER	12326	27179	13032	28736	U20	U25	U30
CAT	938H	LOADER	12506	27576	15052	33190	U20	U25	U30
CAT	950B	LOADER	14376	31700	14693	32398	U20	U25	U30
CAT	950F IICT	LOADER	13581	29946	17700	39029	U20	U25	U30
CAT	953C	LOADER	14080	31046	15142	33389	U20	U25	U30
CAT	953C WH	LOADER	14080	31046	16653	36720	U20	U25	U30
CAT	962G	LOADER	14070	31024	18544	40889	U20	U25	U30
CAT	IT38F	LOADER	12621	27830	13030	28731	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	IT38H	LOADER	13667	30135	16064	35422	U20	U25	U30
CAT	M312	BACKHOE	8154	17980	14700	32413	U20	U25	U30
CAT	M313C	BACKHOE	8871	19560	14747	32518	U20	U25	U30
CAT	M313D	BACKHOE	9481	20906	16197	35715	U20	U25	U30
CAT	M315C	BACKHOE	9478	20900	16649	36710	U20	U25	U30
CAT	950E	LOADER	14886	32824	15820	34883	U25	U25	U30
CAT	950F II	LOADER	15090	33273	17297	38140	U25	U25	U30
CAT	950G	LOADER	15722	34666	17777	39198	U25	U25	U30
CAT	953D	LOADER	16576	36549	15514	34209	U25	U25	U30
CAT	953D WH	LOADER	16576	36549	15592	34381	U25	U25	U30
CAT	960F	LOADER	14888	32828	17893	39454	U25	U25	U30
CAT	962H	LOADER	15000	33075	19365	42700	U25	U25	U30
CAT	IT62G	LOADER	15191	33497	18553	40909	U25	U25	U30
CAT	215B	BACKHOE	10204	22500	18184	40096	U25	U30	U30
CAT	215B LC	BACKHOE	10204	22500	18005	39700	U25	U30	U30
CAT	315C L	BACKHOE	10091	22250	16748	36930	U25	U30	U30
CAT	950H	LOADER	16837	37125	18338	40435	U25	U30	U30
CAT	963C	LOADER	19561	43133	19545	43096	U25	U30	U30
CAT	963C WH	LOADER	19561	43133	20636	45502	U25	U30	U30
CAT	966D	LOADER	18251	40243	19491	42978	U25	U30	U30
CAT	966K	LOADER	17680	38984	24177	53311	U25	U30	U30
CAT	IT62H	LOADER	16224	35775	19388	42750	U25	U30	U30
CAT	215B SA	BACKHOE	10204	22500	19365	42700	U25	U30	U35
CAT	215C	BACKHOE	10884	24000	19501	43000	U25	U30	U35
CAT	215C LC	BACKHOE	10884	24000	19501	43000	U25	U30	U35
CAT	215D	BACKHOE	11565	25500	20100	44320	U25	U30	U35
CAT	219D	BACKHOE	11837	26100	21583	47590	U25	U30	U35
CAT	219D LC	BACKHOE	11837	26100	22465	49536	U25	U30	U35
CAT	225	BACKHOE	11791	26000	24178	53312	U25	U30	U35
CAT	225B	BACKHOE	11679	25752	26413	58240	U25	U30	U35
CAT	225B LC	BACKHOE	11679	25752	26077	57500	U25	U30	U35
CAT	225C	BACKHOE	12698	28000	19501	43000	U25	U30	U35
CAT	315D L	BACKHOE	10216	22526	17277	38095	U25	U30	U35
CAT	316F L	BACKHOE	11317	24953	17700	39029	U25	U30	U35
CAT	317	BACKHOE	11215	24730	17997	39683	U25	U30	U35
CAT	317 N	BACKHOE	11134	24550	17100	37706	U25	U30	U35
CAT	318B L	BACKHOE	12109	26700	18385	40540	U25	U30	U35
CAT	318B LN	BACKHOE	12109	26700	18259	40260	U25	U30	U35
CAT	318C L	BACKHOE	13243	29200	19646	43320	U25	U30	U35
CAT	318C LN	BACKHOE	13243	29200	19347	42660	U25	U30	U35
CAT	318F L	BACKHOE	12540	27651	19202	42340	U25	U30	U35
CAT	319D L	BACKHOE	13468	29697	19897	43872	U25	U30	U35
CAT	319D LN	BACKHOE	13468	29697	19897	43872	U25	U30	U35
CAT	320 B-FMLY	BACKHOE	12200	26900	19457	42902	U25	U30	U35
CAT	320 L B-FMLY	BACKHOE	12200	26900	20717	45680	U25	U30	U35
CAT	320 N	BACKHOE	12200	26900	20023	44150	U25	U30	U35
CAT	320B B-FMLY	BACKHOE	13197	29100	19397	42770	U25	U30	U35
CAT	320B L B-FMLY	BACKHOE	13197	29100	20789	45840	U25	U30	U35
CAT	320F GC	BACKHOE	13122	28935	21896	48281	U25	U30	U35
CAT	321B LCR	BACKHOE	13333	29400	23096	50927	U25	U30	U35
CAT	963D	LOADER	21149	46634	20216	44577	U25	U30	U35
CAT	966E	LOADER	20494	45189	20431	45051	U25	U30	U35
CAT	966F	LOADER	20493	45187	21459	47317	U25	U30	U35
CAT	966H	LOADER	19184	42300	23698	52254	U25	U30	U35
CAT	966M	LOADER	20363	44901	23719	52301	U25	U30	U35
CAT	966M HL	LOADER	20346	44864	25331	55854	U25	U30	U35
CAT	970F	LOADER	18612	41040	23388	51570	U25	U30	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	972K	LOADER	19989	44075	26200	57770	U25	U30	U35
CAT	E200B	BACKHOE	11565	25500	18776	41400	U25	U30	U35
CAT	EL200B	BACKHOE	11565	25500	20091	44300	U25	U30	U35
CAT	M315	BACKHOE	11215	24730	15497	34171	U25	U30	U35
CAT	M315D	BACKHOE	10297	22705	18297	40345	U25	U30	U35
CAT	M316D	BACKHOE	10297	22705	19796	43651	U25	U30	U35
CAT	M318	BACKHOE	12449	27450	17959	39600	U25	U30	U35
CAT	M318 MH	BACKHOE	12449	27450	19501	43000	U25	U30	U35
CAT	M318C	BACKHOE	12032	26530	19697	43431	U25	U30	U35
CAT	M318D MH	BACKHOE	12449	27450	23421	51643	U25	U30	U35
CAT	966F II	LOADER	22329	49236	21496	47399	U30	U30	U35
CAT	966G	LOADER	21357	47092	22857	50400	U30	U30	U35
CAT	972G WH	LOADER	21578	47580	25084	55310	U30	U30	U35
CAT	972H	LOADER	23469	51750	25148	55451	U30	U30	U35
CAT	972M	LOADER	21872	48227	25453	56123	U30	U30	U35
CAT	972M HL	LOADER	21251	46859	25537	56309	U30	U30	U35
CAT	973	LOADER	22533	49685	25295	55776	U30	U30	U35
CAT	973C	LOADER	21765	47992	26368	58142	U30	U30	U35
CAT	973D	LOADER	22472	49550	28053	61857	U30	U30	U35
CAT	973D WH	LOADER	22472	49550	29550	65157	U30	U30	U35
CAT	E240	BACKHOE	12998	28660	22995	50705	U30	U35	U35
CAT	E240B	BACKHOE	12998	28660	23595	52028	U30	U35	U35
CAT	EL240	BACKHOE	12998	28660	23596	52030	U30	U35	U35
CAT	M318D	BACKHOE	12846	28326	20097	44313	U30	U35	U35
CAT	M320	BACKHOE	13980	30825	20590	45400	U30	U35	U35
CAT	224	BACKHOE	14796	32625	19002	41900	U30	U35	U40
CAT	224B	BACKHOE	15909	35080	22449	49500	U30	U35	U40
CAT	225D	BACKHOE	15088	33270	26612	58680	U30	U35	U40
CAT	229	BACKHOE	15873	35000	27120	59800	U30	U35	U40
CAT	320 C-FMLY	BACKHOE	16317	35980	19457	42902	U30	U35	U40
CAT	320 L C-FMLY	BACKHOE	16317	35980	20717	45680	U30	U35	U40
CAT	320 L ME	BACKHOE	16735	36900	20952	46200	U30	U35	U40
CAT	320 ME	BACKHOE	14875	32800	19457	42902	U30	U35	U40
CAT	320 N ME	BACKHOE	14875	32800	20023	44150	U30	U35	U40
CAT	320B C-FMLY	BACKHOE	16553	36500	19397	42770	U30	U35	U40
CAT	320B L C-FMLY	BACKHOE	16553	36500	20789	45840	U30	U35	U40
CAT	320B L ME	BACKHOE	16735	36900	20952	46200	U30	U35	U40
CAT	320B ME	BACKHOE	16735	36900	19397	42770	U30	U35	U40
CAT	320B N	BACKHOE	15702	34622	20874	46027	U30	U35	U40
CAT	320C	BACKHOE	14422	31800	20998	46300	U30	U35	U40
CAT	320C L	BACKHOE	14422	31800	20998	46300	U30	U35	U40
CAT	320C L UTILITY	BACKHOE	14422	31800	22993	50700	U30	U35	U40
CAT	320C MH	BACKHOE	14422	31800	25525	56283	U30	U35	U40
CAT	320C UTILITY	BACKHOE	14422	31800	22993	50700	U30	U35	U40
CAT	320D	BACKHOE	16924	37318	21497	47400	U30	U35	U40
CAT	320D L	BACKHOE	14702	32417	21566	47554	U30	U35	U40
CAT	320D L MASS	BACKHOE	17526	38645	21566	47554	U30	U35	U40
CAT	320D LRR	BACKHOE	14702	32417	24985	55093	U30	U35	U40
CAT	320F	BACKHOE	17601	38811	22796	50265	U30	U35	U40
CAT	321C LCR	BACKHOE	14376	31700	23521	51864	U30	U35	U40
CAT	321D LCR	BACKHOE	14702	32417	24176	53308	U30	U35	U40
CAT	322 B-FMLY	BACKHOE	14195	31300	22676	50000	U30	U35	U40
CAT	322 D-FMLY	BACKHOE	17596	38800	22676	50000	U30	U35	U40
CAT	322 L B-FMLY	BACKHOE	14195	31300	23946	52800	U30	U35	U40
CAT	322 L ME	BACKHOE	17687	39000	23946	52800	U30	U35	U40
CAT	322 ME	BACKHOE	17687	39000	22676	50000	U30	U35	U40
CAT	322 S-FMLY	BACKHOE	16553	36500	23855	52600	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	322B B-FMLY	BACKHOE	14195	31300	22676	50000	U30	U35	U40
CAT	322B D-FMLY	BACKHOE	17596	38800	22676	50000	U30	U35	U40
CAT	322B L B-FMLY	BACKHOE	14195	31300	22676	50000	U30	U35	U40
CAT	322B L D-FMLY	BACKHOE	17596	38800	22676	50000	U30	U35	U40
CAT	322B L S-FMLY	BACKHOE	16553	36500	23855	52600	U30	U35	U40
CAT	322B S-FMLY	BACKHOE	16553	36500	22748	50160	U30	U35	U40
CAT	322C	BACKHOE	14603	32200	24218	53400	U30	U35	U40
CAT	322C L	BACKHOE	14603	32200	24308	53600	U30	U35	U40
CAT	323D L	BACKHOE	14376	31699	23960	52832	U30	U35	U40
CAT	323F	BACKHOE	17601	38811	25488	56200	U30	U35	U40
CAT	324D	BACKHOE	16619	36644	24789	54660	U30	U35	U40
CAT	325 B-FMLY	BACKHOE	14195	31300	25959	57240	U30	U35	U40
CAT	325 C-FMLY	BACKHOE	16317	35980	25959	57240	U30	U35	U40
CAT	325 D-FMLY	BACKHOE	17596	38800	25959	57240	U30	U35	U40
CAT	325 L B-FMLY	BACKHOE	14195	31300	27510	60660	U30	U35	U40
CAT	325 L C-FMLY	BACKHOE	16317	35980	27510	60660	U30	U35	U40
CAT	325 L D-FMLY	BACKHOE	17596	38800	27510	60660	U30	U35	U40
CAT	325 L ME	BACKHOE	17687	39000	27510	60660	U30	U35	U40
CAT	325 ME	BACKHOE	17687	39000	25959	57240	U30	U35	U40
CAT	325B C-FMLY	BACKHOE	16317	35980	25506	56240	U30	U35	U40
CAT	325B L C-FMLY	BACKHOE	16317	35980	27438	60500	U30	U35	U40
CAT	325C	BACKHOE	16327	36000	26893	59300	U30	U35	U40
CAT	325C L	BACKHOE	13560	29900	28617	63100	U30	U35	U40
CAT	325F	BACKHOE	15334	33811	22496	49604	U30	U35	U40
CAT	326F	BACKHOE	16924	37318	25896	57100	U30	U35	U40
CAT	972G	LOADER	25184	55530	25438	56090	U30	U35	U40
CAT	980C	LOADER	24980	55081	27684	61044	U30	U35	U40
CAT	980F II	LOADER	26000	57329	27495	60627	U30	U35	U40
CAT	980G	LOADER	25661	56583	29320	64650	U30	U35	U40
CAT	980G II	LOADER	25661	56583	29320	64650	U30	U35	U40
CAT	980K	LOADER	24285	53548	31230	68862	U30	U35	U40
CAT	980M	LOADER	24406	53816	30378	66984	U30	U35	U40
CAT	980M HL	LOADER	25898	57106	30493	67237	U30	U35	U40
CAT	E240C	BACKHOE	13596	29980	23096	50926	U30	U35	U40
CAT	E300	BACKHOE	15964	35200	30494	67240	U30	U35	U40
CAT	E300B	BACKHOE	15964	35200	30839	68000	U30	U35	U40
CAT	EL240B	BACKHOE	13596	29980	23696	52249	U30	U35	U40
CAT	EL240C	BACKHOE	13596	29980	23696	52249	U30	U35	U40
CAT	EL300	BACKHOE	15964	35200	31594	69665	U30	U35	U40
CAT	EL300B	BACKHOE	15964	35200	31594	69665	U30	U35	U40
CAT	M320 MH	BACKHOE	14422	31800	21134	46600	U30	U35	U40
CAT	M322C	BACKHOE	13356	29450	22696	50045	U30	U35	U40
CAT	M322D	BACKHOE	14273	31472	21996	48502	U30	U35	U40
CAT	M325B MH	BACKHOE	14830	32700	37206	82040	U30	U35	U40
CAT	M325C MH	BACKHOE	16180	35677	29995	66139	U30	U35	U40
CAT	980H	LOADER	27834	61373	30519	67294	U35	U35	U40
CAT	982M	LOADER	28422	62671	36678	80874	U35	U35	U40
CAT	225C LCR	BACKHOE	16417	36200	35394	78044	U35	U40	U40
CAT	330 C-FMLY	BACKHOE	16317	35980	32458	71570	U35	U40	U40
CAT	330 L C-FMLY	BACKHOE	16317	35980	33905	74760	U35	U40	U40
CAT	M325C LMH	BACKHOE	16180	35677	36994	81571	U35	U40	U40
CAT	231D	BACKHOE	21905	48300	35193	77600	U35	U40	U45
CAT	235	BACKHOE	16780	37000	39924	88032	U35	U40	U45
CAT	235B	BACKHOE	17234	38000	42898	94590	U35	U40	U45
CAT	235C	BACKHOE	20463	45120	44009	97040	U35	U40	U45
CAT	320E L	BACKHOE	20887	46056	24694	54450	U35	U40	U45
CAT	322B L ME	BACKHOE	19864	43800	24308	53600	U35	U40	U45

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	322B LN	BACKHOE	18965	41817	27670	61012	U35	U40	U45
CAT	322B ME	BACKHOE	19274	42500	22748	50160	U35	U40	U45
CAT	323D MASS	BACKHOE	18251	40243	23960	52832	U35	U40	U45
CAT	324D MASS	BACKHOE	21410	47210	26245	57871	U35	U40	U45
CAT	325B L ME	BACKHOE	19864	43800	27937	61600	U35	U40	U45
CAT	325B LN	BACKHOE	19168	42266	27705	61090	U35	U40	U45
CAT	325B ME	BACKHOE	20295	44750	25506	56240	U35	U40	U45
CAT	325C LCR	BACKHOE	18639	41100	35394	78044	U35	U40	U45
CAT	325D	BACKHOE	19167	42264	29252	64500	U35	U40	U45
CAT	325D L	BACKHOE	17944	39566	29234	64460	U35	U40	U45
CAT	325D L MASS	BACKHOE	21308	46985	29234	64460	U35	U40	U45
CAT	325D MH	BACKHOE	19167	42264	35520	78321	U35	U40	U45
CAT	328D LCR	BACKHOE	20391	44962	34694	76500	U35	U40	U45
CAT	329D L	BACKHOE	17944	39566	29234	64460	U35	U40	U45
CAT	329D L MASS	BACKHOE	21308	46985	29234	64460	U35	U40	U45
CAT	330 D-FMLY	BACKHOE	17596	38800	32458	71570	U35	U40	U45
CAT	330 E-FMLY	BACKHOE	19501	43000	32458	71570	U35	U40	U45
CAT	330 L D-FMLY	BACKHOE	17596	38800	33905	74760	U35	U40	U45
CAT	330 L E-FMLY	BACKHOE	19501	43000	33905	74760	U35	U40	U45
CAT	330 L ME	BACKHOE	21406	47200	33905	74760	U35	U40	U45
CAT	330 ME	BACKHOE	21406	47200	32458	71570	U35	U40	U45
CAT	330B D-FMLY	BACKHOE	19270	42490	32485	71630	U35	U40	U45
CAT	330B L D-FMLY	BACKHOE	19864	43800	34603	76300	U35	U40	U45
CAT	330C L	BACKHOE	18957	41800	35102	77400	U35	U40	U45
CAT	330D	BACKHOE	20187	44512	35011	77200	U35	U40	U45
CAT	330F	BACKHOE	18231	40200	30884	68100	U35	U40	U45
CAT	330F GC	BACKHOE	18231	40200	30703	67700	U35	U40	U45
CAT	335F L	BACKHOE	18250	40241	38014	83820	U35	U40	U45
CAT	336D L	BACKHOE	21268	46895	36492	80464	U35	U40	U45
CAT	336F GC	BACKHOE	19995	44090	36508	80500	U35	U40	U45
CAT	988B	LOADER	36298	80036	43357	95602	U35	U40	U45
CAT	EL450B	BACKHOE	20408	45000	43084	95000	U35	U40	U45
CAT	235D	BACKHOE	24067	53067	47803	105405	U40	U45	U55
CAT	235D LC	BACKHOE	24067	53067	47803	105405	U40	U45	U55
CAT	245	BACKHOE	24898	54900	63900	140900	U40	U45	U55
CAT	330B L ME	BACKHOE	23991	52900	34558	76200	U40	U45	U55
CAT	330B LN	BACKHOE	23654	52158	34053	75087	U40	U45	U55
CAT	330B ME	BACKHOE	23143	51030	32485	71630	U40	U45	U55
CAT	330D L	BACKHOE	24234	53437	36145	79700	U40	U45	U55
CAT	336D L MASS	BACKHOE	24428	53864	36492	80464	U40	U45	U55
CAT	336E L	BACKHOE	23927	52760	39363	86796	U40	U45	U55
CAT	336F	BACKHOE	21388	47160	37143	81900	U40	U45	U55
CAT	345B L F-FMLY	BACKHOE	23673	52200	44417	97940	U40	U45	U55
CAT	345B L ME	BACKHOE	26621	58700	45832	101060	U40	U45	U55
CAT	345B LII	BACKHOE	26611	58678	44417	97940	U40	U45	U55
CAT	345C L	BACKHOE	24263	53500	44966	99150	U40	U45	U55
CAT	345C MH	BACKHOE	24263	53500	57422	126615	U40	U45	U55
CAT	345D MASS	BACKHOE	23401	51600	49256	108610	U40	U45	U55
CAT	349F L TB LINKAGE	BACKHOE	23959	52830	50703	111800	U40	U45	U55
CAT	350 F-FMLY	BACKHOE	23265	51300	49482	109107	U40	U45	U55
CAT	350 G-FMLY	BACKHOE	25397	56000	49482	109107	U40	U45	U55
CAT	350 L F-FMLY	BACKHOE	23265	51300	50511	111377	U40	U45	U55
CAT	350 L G-FMLY	BACKHOE	25397	56000	50511	111377	U40	U45	U55
CAT	988F II	LOADER	39025	86051	45668	100697	U40	U45	U55
CAT	988G	LOADER	44413	97931	50206	110705	U40	U45	U55
CAT	988K	LOADER	47754	105297	50864	112155	U40	U45	U55
CAT	988K HL	LOADER	43991	97001	52815	116456	U40	U45	U55

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	235D	HYD FACE SHOVEL	31020	68400	45618	100588	U55	U55	U55
CAT	345D	BACKHOE	26304	58000	49256	108610	U45	U55	U55
CAT	349F L UB LINKAGE	BACKHOE	26304	58000	50975	112400	U45	U55	U55
CAT	350 L ME	BACKHOE	29116	64200	50511	111377	U45	U55	U55
CAT	350 ME	BACKHOE	29116	64200	49482	109107	U45	U55	U55
CAT	988H	LOADER	52961	116780	50136	110549	U45	U55	U55
CAT	245B	BACKHOE	31057	68480	65088	143520	U45	U55	U60
CAT	245B LC	BACKHOE	31057	68480	75932	167430	U45	U55	U60
CAT	245C	BACKHOE	31057	68480	70295	155000	U45	U55	U60
CAT	245D	BACKHOE	31057	68480	67937	149800	U45	U55	U60
CAT	245D LC	BACKHOE	31057	68480	75932	167430	U45	U55	U60
CAT	330C MH	BACKHOE	29975	66094	43807	96595	U45	U55	U60
CAT	330D MH	BACKHOE	29975	66094	44620	98386	U45	U55	U60
CAT	345B LII UHD	BACKHOE	33732	74380	50422	111180	U45	U55	U60
CAT	352F	BACKHOE	30178	66543	50884	112200	U45	U55	U60
CAT	365B L V-FMLY	BACKHOE	28243	62275	67588	149032	U45	U55	U60
CAT	365C L	BACKHOE	28254	62300	65955	145430	U45	U55	U60
CAT	385B L REACH	BACKHOE	29374	64770	86336	190370	U45	U55	U60
CAT	385B REACH	BACKHOE	29374	64770	83420	183940	U45	U55	U60
CAT	M325D MH	BACKHOE	30866	68059	30866	68059	U45	U55	U60
CAT	990 II	LOADER	62936	138773	76470	168617	U55	U55	U60
CAT	990H	LOADER	61419	135429	77842	171642	U55	U55	U60
CAT	990H H/L	LOADER	57959	127800	83789	184755	U55	U55	U60
CAT	5090B	HYD FACE SHOVEL	47714	105210	91565	201900	U60	U60	--
CAT	6015	HYD FACE SHOVEL	49941	110120	104281	229940	U60	U60	--
CAT	245	HYD FACE SHOVEL	43447	95800	64580	142400	U60	U60	U60
CAT	245D	HYD FACE SHOVEL	43440	95786	69764	153830	U60	U60	U60
CAT	5080	HYD FACE SHOVEL	46032	101500	83810	184800	U60	U60	U60
CAT	385B	BACKHOE	40898	90180	86063	189770	U55	U60	--
CAT	385B L	BACKHOE	40898	90180	86063	189770	U55	U60	--
CAT	385B L MASS	BACKHOE	38984	85960	86336	190370	U55	U60	--
CAT	385B MASS	BACKHOE	38984	85960	83420	183940	U55	U60	--
CAT	385C	BACKHOE	40898	90180	84971	187360	U55	U60	--
CAT	385C L	BACKHOE	40898	90180	84971	187360	U55	U60	--
CAT	390D L	BACKHOE	42041	92700	86175	190016	U55	U60	--
CAT	390F L MASS	BACKHOE	41169	90778	92006	202874	U55	U60	--
CAT	6015	BACKHOE	39746	87640	104680	230820	U55	U60	--
CAT	992C	LOADER	66273	146133	88413	194950	U55	U60	--
CAT	992C H/L	LOADER	66681	147032	88413	194950	U55	U60	--
CAT	992D	LOADER	62526	137870	92700	204404	U55	U60	--
CAT	992G	LOADER	62748	138360	94911	209278	U55	U60	--
CAT	992K	LOADER	60200	132741	102970	227049	U55	U60	--
CAT	992K HL	LOADER	59711	131662	104159	229671	U55	U60	--
CAT	994F H/L S	LOADER	70714	155925	211933	467313	U55	U60	--
CAT	5080	BACKHOE	46032	101500	83810	184800	U55	U60	--
CAT	5080 MH	BACKHOE	46032	101500	99184	218700	U55	U60	--
CAT	245 ME	BACKHOE	35837	79020	65424	144260	U55	U60	U60
CAT	245D ME	BACKHOE	35837	79020	66794	147280	U55	U60	U60
CAT	365B L	BACKHOE	33651	74200	68118	150200	U55	U60	U60
CAT	365B L ME	BACKHOE	33647	74191	67588	149032	U55	U60	U60
CAT	365C L ME	BACKHOE	33651	74200	65955	145430	U55	U60	U60
CAT	374D L	BACKHOE	35378	78009	71120	156819	U55	U60	U60
CAT	374F L MASS	BACKHOE	36907	81381	75154	165714	U55	U60	U60
CAT	374F L REACH	BACKHOE	32054	70679	73186	161376	U55	U60	U60
CAT	375 H-FMLY	BACKHOE	35970	79314	78925	174030	U55	U60	U60
CAT	375 J-FMLY	BACKHOE	38993	85980	79365	175000	U55	U60	U60
CAT	375 L H-FMLY	BACKHOE	35970	79314	82802	182578	U55	U60	U60

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	375 L J-FMLY	BACKHOE	38993	85980	82802	182578	U55	U60	U60
CAT	375 L ME	BACKHOE	38993	85980	82802	182578	U55	U60	U60
CAT	375 ME	BACKHOE	38993	85980	81772	180308	U55	U60	U60
CAT	390F L REACH	BACKHOE	32849	72433	89811	198034	U55	U60	U60
CAT	990K	LOADER	60144	132617	80960	178517	U55	U60	U60
CAT	M325D LMH	BACKHOE	35255	77737	35255	77737	U55	U60	U60
CAT	W345BII	BACKHOE	39817	87796	64240	141650	U55	U60	U60
CAT	993K	LOADER	76842	169437	133696	294800	U60	U60	--
CAT	993K HL	LOADER	76842	169437	133696	294800	U60	U60	--
CAT	216	SKID-STEER	1638	3612	2534	5587	V13	V13	V13
CAT	216B	SKID-STEER	1717	3787	2589	5709	V13	V13	V13
CAT	216B 2	SKID-STEER	1852	4083	2544	5609	V13	V13	V13
CAT	216B 3	SKID-STEER	1852	4083	2580	5690	V13	V13	V13
CAT	226	SKID-STEER	1770	3903	2560	5645	V13	V13	V13
CAT	226B	SKID-STEER	1852	4084	2646	5834	V13	V13	V13
CAT	226B 2	SKID-STEER	1852	4083	2640	5822	V13	V13	V13
CAT	226B 3	SKID-STEER	1852	4083	2640	5822	V13	V13	V13
CAT	228	SKID-STEER	1772	3907	2650	5843	V13	V13	V13
CAT	232	SKID-STEER	1839	4056	3005	6627	V13	V13	V13
CAT	232B	SKID-STEER	1841	4059	3021	6661	V13	V13	V13
CAT	232B 2	SKID-STEER	1841	4060	3055	6737	V13	V13	V13
CAT	236	SKID-STEER	2383	5255	3111	6860	V13	V13	V13
CAT	236B	SKID-STEER	2487	5484	3178	7007	V13	V13	V13
CAT	236B 2	SKID-STEER	2487	5484	3178	7007	V13	V13	V13
CAT	236B 3	SKID-STEER	2487	5484	3178	7007	V13	V13	V13
CAT	242	SKID-STEER	1839	4056	3060	6748	V13	V13	V13
CAT	242B	SKID-STEER	1841	4059	3085	6802	V13	V13	V13
CAT	242B 2	SKID-STEER	1841	4060	3136	6914	V13	V13	V13
CAT	242B 3	SKID-STEER	2044	4507	3178	7008	V13	V13	V13
CAT	246	SKID-STEER	2385	5259	3191	7036	V13	V13	V13
CAT	246B	SKID-STEER	2487	5484	3239	7142	V13	V13	V13
CAT	246C	SKID-STEER	3323	7328	3392	7480	V13	V13	V13
CAT	247	SKID-STEER	1604	3536	3023	6665	V13	V13	V13
CAT	247B	SKID-STEER	1693	3734	3024	6668	V13	V13	V13
CAT	247B 2	SKID-STEER	1841	4060	3173	6997	V13	V13	V13
CAT	247B 3	SKID-STEER	1841	4060	3173	6997	V13	V13	V13
CAT	248	SKID-STEER	2386	5261	3328	7338	V13	V13	V13
CAT	248B	SKID-STEER	2487	5484	3320	7321	V13	V13	V13
CAT	252	SKID-STEER	2364	5212	3454	7615	V13	V13	V13
CAT	252B	SKID-STEER	2498	5508	3552	7832	V13	V13	V13
CAT	252B 2	SKID-STEER	2498	5508	3565	7861	V13	V13	V13
CAT	252B 3	SKID-STEER	2498	5508	3565	7861	V13	V13	V13
CAT	256C	SKID-STEER	3323	7328	3476	7665	V13	V13	V13
CAT	257	SKID-STEER	1602	3532	3459	7628	V13	V13	V13
CAT	257B	SKID-STEER	1693	3732	3428	7559	V13	V13	V13
CAT	257B 2	SKID-STEER	1793	3954	3606	7952	V13	V13	V13
CAT	257B 3	SKID-STEER	2044	4508	3655	8060	V13	V13	V13
CAT	259B 3	SKID-STEER	2044	4508	4052	8934	V13	V13	V13
CAT	262	SKID-STEER	2364	5212	3472	7655	V13	V13	V13
CAT	262B	SKID-STEER	2498	5508	3565	7861	V13	V13	V13
CAT	262C	SKID-STEER	3317	7315	3614	7968	V13	V13	V13
CAT	267	SKID-STEER	4122	9088	1968	4339	V13	V13	V13
CAT	267B	SKID-STEER	2487	5484	4250	9371	V13	V13	V13
CAT	268B	SKID-STEER	2498	5508	3626	7995	V13	V13	V13
CAT	272C	SKID-STEER	3317	7315	3792	8362	V13	V13	V13
CAT	277	SKID-STEER	2385	5259	4139	9126	V13	V13	V13
CAT	277B	SKID-STEER	2487	5484	4268	9411	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	277C	SKID-STEER	3314	7308	4306	9495	V13	V13	V13
CAT	279C	SKID-STEER	3314	7308	4486	9892	V13	V13	V13
CAT	287	SKID-STEER	2214	4882	4472	9860	V13	V13	V13
CAT	287B	SKID-STEER	2498	5508	4660	10275	V13	V13	V13
CAT	287C	SKID-STEER	3314	7308	4516	9958	V13	V13	V13
CAT	289C	SKID-STEER	3314	7308	4701	10365	V13	V13	V13
CAT	297C	SKID-STEER	3314	7308	4598	10139	V13	V13	V13
CAT	299C	SKID-STEER	3314	7308	4866	10730	V13	V13	V13
CAT	299D	SKID-STEER	3347	7381	4942	10898	V13	V13	V13
CAT	299D XHP	SKID-STEER	3347	7381	5282	11647	V13	V13	V13
CAT	301.5	BACKHOE	1289	2843	1735	3825	V13	V13	V13
CAT	301.6	BACKHOE	1290	2844	1790	3946	V13	V13	V13
CAT	301.6C	BACKHOE	1570	3462	1610	3549	V13	V13	V13
CAT	301.8	BACKHOE	1289	2843	1865	4112	V13	V13	V13
CAT	301.8C	BACKHOE	1570	3462	1680	3704	V13	V13	V13
CAT	302.5	BACKHOE	2243	4946	2782	6135	V13	V13	V13
CAT	302.5C	BACKHOE	2549	5620	2745	6052	V13	V13	V13
CAT	303.5	BACKHOE	2604	5742	3542	7810	V13	V13	V13
CAT	416D	LOADER	3866	8524	9798	21605	V13	V13	V13
CAT	902	LOADER	3773	8320	4270	9416	V13	V13	V13
CAT	904B	LOADER	3630	8004	4449	9810	V13	V13	V13
CAT	904H	LOADER	3629	8003	4490	9900	V13	V13	V13
CAT	906H	LOADER	4282	9442	5629	12412	V13	V13	V13
CAT	907H	LOADER	4282	9442	5809	12809	V13	V13	V13
CAT	303 CR	BACKHOE	3365	7420	3553	7835	V13	V13	V17
CAT	303.5D CR	BACKHOE	3365	7420	3701	8160	V13	V13	V17
CAT	303C CR	BACKHOE	3365	7420	3553	7835	V13	V13	V17
CAT	304 CR	BACKHOE	3732	8228	4488	9896	V13	V13	V17
CAT	414E IL	LOADER	4551	10036	10152	22385	V13	V13	V17
CAT	416E	LOADER	4551	10036	10189	22466	V13	V13	V17
CAT	420	LOADER	4595	10131	9798	21605	V13	V13	V17
CAT	420D	LOADER	4595	10131	9798	21605	V13	V13	V17
CAT	420D IT	LOADER	4595	10131	9798	21605	V13	V13	V17
CAT	420E	LOADER	4645	10242	10998	24251	V13	V13	V17
CAT	420E IT	LOADER	4804	10593	10998	24251	V13	V13	V17
CAT	430D	LOADER	4657	10269	9798	21605	V13	V13	V17
CAT	430D IT	LOADER	4657	10269	9798	21605	V13	V13	V17
CAT	430E	LOADER	4717	10401	10998	24251	V13	V13	V17
CAT	430E IT	LOADER	4840	10672	10998	24251	V13	V13	V17
CAT	450E	LOADER	5159	11375	10948	24141	V13	V13	V17
CAT	906	LOADER	4689	10340	4949	10912	V13	V13	V17
CAT	908H	LOADER	4792	10566	6464	14253	V13	V13	V17
CAT	416	TLB	4812	10610	6086	13420	V17	V17	V17
CAT	416B	TLB	5468	12057	6213	13700	V17	V17	V17
CAT	416C	TLB	5472	12065	6300	13892	V17	V17	V17
CAT	416D	TLB	5307	11702	9798	21605	V17	V17	V17
CAT	416E	TLB	5328	11749	10189	22466	V17	V17	V17
CAT	426	TLB	4540	10010	6464	14254	V17	V17	V17
CAT	428	TLB	4535	10000	6878	15165	V17	V17	V17
CAT	428B	TLB	5303	11693	7939	17505	V17	V17	V17
CAT	436	TLB	4988	10999	6878	15166	V17	V17	V17
CAT	304C CR	BACKHOE	4558	10050	4918	10844	V13	V17	U20
CAT	305.5D CR	BACKHOE	5190	11445	5464	12048	V13	V17	U20
CAT	305C CR	BACKHOE	5190	11445	5317	11725	V13	V17	U20
CAT	305D CR	BACKHOE	4558	10050	5154	11365	V13	V17	U20
CAT	307	BACKHOE	4499	9920	7982	17600	V13	V17	U20
CAT	307B	BACKHOE	4449	9810	7816	17235	V13	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
CAT	307B SB	BACKHOE	4449	9810	8415	18555	V13	V17	U20
CAT	307C	BACKHOE	4458	9830	7209	15895	V13	V17	U20
CAT	307C SB	BACKHOE	4458	9830	8380	18479	V13	V17	U20
CAT	307D	BACKHOE	5016	11061	7074	15598	V13	V17	U20
CAT	308C	BACKHOE	4463	9840	8041	17730	V13	V17	U20
CAT	308C CR	BACKHOE	4463	9840	8041	17730	V13	V17	U20
CAT	910E	LOADER	7443	16412	7296	16088	V13	V17	U20
CAT	910F	LOADER	7443	16412	7008	15452	V13	V17	U20
CAT	914G	LOADER	6914	15246	7950	17530	V13	V17	U20
CAT	920	LOADER	7239	15962	8533	18816	V13	V17	U20
CAT	931C	LOADER	6525	14388	7557	16664	V13	V17	U20
CAT	951C	LOADER	7137	15737	12422	27390	V13	V17	U20
CAT	E70	BACKHOE	4499	9921	6919	15256	V13	V17	U20
CAT	E70B	BACKHOE	4499	9921	6919	15256	V13	V17	U20
CAT	IT12	LOADER	7239	15962	7392	16299	V13	V17	U20
CAT	IT12B	LOADER	6933	15288	6875	15160	V13	V17	U20
CAT	IT12F	LOADER	7239	15962	7937	17500	V13	V17	U20
CAT	303.5C CR	BACKHOE	3855	8500	3909	8620	V13	V17	V17
CAT	304.5	BACKHOE	4027	8880	4594	10130	V13	V17	V17
CAT	304D CR	BACKHOE	3855	8500	4015	8852	V13	V17	V17
CAT	305 CR	BACKHOE	4281	9440	4989	11000	V13	V17	V17
CAT	446D	LOADER	6276	13838	11500	25357	V13	V17	V17
CAT	908	LOADER	6218	13710	6026	13288	V13	V17	V17
CAT	910	LOADER	5812	12815	6695	14762	V13	V17	V17
CAT	931B	LOADER	6525	14388	7361	16230	V13	V17	V17
CAT	935C	LOADER	5914	13040	8168	18010	V13	V17	V17
CAT	941B	LOADER	6220	13714	11598	25574	V13	V17	V17
CAT	916	LOADER	8565	18885	8610	18984	V17	V17	U20
CAT	930	LOADER	7749	17086	9590	21146	V17	V17	U20
CAT	933C HYSTAT	LOADER	8522	18792	8735	19260	V17	V17	U20
CAT	IT14B	LOADER	8361	18435	7648	16864	V17	V17	U20
CAT	IT14F	LOADER	8055	17761	8043	17734	V17	V17	U20
CAT	IT18	LOADER	9074	20009	8426	18579	V17	V17	U20
CAT	5110B	BACKHOE	47245	104175	126984	280000	U60	--	--
CAT	5110B L	BACKHOE	47245	104175	128798	284000	U60	--	--
CAT	6015B	BACKHOE	51066	112600	154000	339570	U60	--	--
CAT	994 H/L	LOADER	97473	214928	170522	376000	U60	--	--
CAT	994C	LOADER	95192	209898	167000	368235	U60	--	--
DAEWOO	MEGA200(III)	LOADER	10476	23100	10518	23192	V17	U20	U25
DAEWOO	DH110	BACKHOE	6806	15008	11378	25088	U20	U25	U25
DAEWOO	DH120	BACKHOE	7111	15680	12292	27104	U20	U25	U25
DAEWOO	DH130	BACKHOE	7416	16352	12800	28224	U20	U25	U25
DAEWOO	DH130 W	BACKHOE	6698	14770	11498	25353	U20	U25	U25
DAEWOO	DH130(V) W	BACKHOE	8601	18966	12698	28000	U20	U25	U30
DAEWOO	DH130-2	BACKHOE	8399	18520	13297	29320	U20	U25	U30
DAEWOO	DH150-2	BACKHOE	8401	18525	15200	33516	U20	U25	U30
DAEWOO	DH170	BACKHOE	9388	20700	17098	37700	U20	U25	U30
DAEWOO	DH170(III) W	BACKHOE	8980	19800	17297	38140	U20	U25	U30
DAEWOO	DH300 LC SLR	BACKHOE	9399	20724	31129	68640	U20	U25	U30
DAEWOO	MEGA250(III)	LOADER	13200	29106	13700	30208	U20	U25	U30
DAEWOO	S130(III)	BACKHOE	8870	19558	13297	29320	U20	U25	U30
DAEWOO	S130(III) W	BACKHOE	8157	17986	12098	26676	U20	U25	U30
DAEWOO	S130(V) LC	BACKHOE	8299	18300	13878	30600	U20	U25	U30
DAEWOO	S130(V) W	BACKHOE	8337	18382	13596	29980	U20	U25	U30
DAEWOO	S170 LC	BACKHOE	9598	21164	16897	37258	U20	U25	U30
DAEWOO	S170 W	BACKHOE	8980	19800	17297	38140	U20	U25	U30
DAEWOO	S170(III)	BACKHOE	9598	21164	16897	37258	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DAEWOO	S170(III) W	BACKHOE	8980	19800	17697	39021	U20	U25	U30
DAEWOO	MEGA300(III)	LOADER	17959	39600	16897	37258	U25	U30	U30
DAEWOO	DH180	BACKHOE	12190	26880	18997	41888	U25	U30	U35
DAEWOO	DH180 LC	BACKHOE	12190	26880	20419	45024	U25	U30	U35
DAEWOO	DH200 LC	BACKHOE	12426	27400	19796	43650	U25	U30	U35
DAEWOO	DH200 W	BACKHOE	12290	27100	19197	42329	U25	U30	U35
DAEWOO	DH200(V) W	BACKHOE	12027	26520	19501	43000	U25	U30	U35
DAEWOO	DH220	BACKHOE	12200	26901	21000	46305	U25	U30	U35
DAEWOO	DH220 LC	BACKHOE	12290	27100	20998	46300	U25	U30	U35
DAEWOO	S200(III) W	BACKHOE	12798	28219	19048	42000	U25	U30	U35
DAEWOO	S200(V) W	BACKHOE	12798	28219	19048	42000	U25	U30	U35
DAEWOO	S220(III) LC	BACKHOE	12789	28200	20091	44300	U25	U30	U35
DAEWOO	MEGA400(III)	LOADER	21850	48180	21900	48289	U30	U30	U35
DAEWOO	DH280	BACKHOE	16599	36600	28209	62200	U30	U35	U40
DAEWOO	DH280(III) LC	BACKHOE	17415	38400	28000	61740	U30	U35	U40
DAEWOO	DL450	LOADER	24398	53797	25322	55834	U30	U35	U40
DAEWOO	S280(III) LC	BACKHOE	17415	38400	28000	61740	U30	U35	U40
DAEWOO	DH320	BACKHOE	19274	42500	31973	70500	U35	U40	U45
DAEWOO	S330(III) SN 0-284	BACKHOE	20897	46077	31795	70107	U35	U40	U45
DAEWOO	S330(III) SN 285-	BACKHOE	20897	46077	31795	70107	U35	U40	U45
DAEWOO	DH450	BACKHOE	22902	50500	44490	98100	U40	U45	U55
DAEWOO	DX350	BACKHOE	24495	54012	35194	77602	U40	U45	U55
DAEWOO	S400(III) LC	BACKHOE	21351	47080	38413	84700	U40	U45	U55
DAEWOO	S450(III)	BACKHOE	24395	53792	43792	96562	U40	U45	U55
DAEWOO	1340XL	SKID-STEER	1311	2890	2454	5412	V13	V13	V13
DAEWOO	1550XL	SKID-STEER	1839	4056	2765	6096	V13	V13	V13
DAEWOO	1760XL	SKID-STEER	2479	5467	2990	6594	V13	V13	V13
DAEWOO	2060XL	SKID-STEER	2356	5194	3073	6777	V13	V13	V13
DAEWOO	602H PLUS	SKID-STEER	1311	2890	2530	5578	V13	V13	V13
DAEWOO	702H PLUS	SKID-STEER	1490	3285	2765	6096	V13	V13	V13
DAEWOO	802H PLUS	SKID-STEER	2479	5467	3127	6894	V13	V13	V13
DAEWOO	902H PLUS	SKID-STEER	2356	5194	3210	7077	V13	V13	V13
DAEWOO	DSL601	SKID-STEER	1331	2934	2578	5685	V13	V13	V13
DAEWOO	DSL801	TLB	1725	3804	2798	6170	V13	V13	V13
DAEWOO	S10	BACKHOE	826	1821	770	1697	V13	V13	V13
DAEWOO	DH040	BACKHOE	2909	6415	4698	10360	V13	V13	V17
DAEWOO	DH50	BACKHOE	3361	7410	4943	10900	V13	V13	V17
DAEWOO	S70(III)	BACKHOE	4308	9500	6799	14991	V13	V17	U20
DAEWOO	S55	BACKHOE	3699	8157	5199	11464	V13	V17	V17
DEERE	310SG	TLB	6910	15236	6122	13500	U20	U20	U20
DEERE	310SJ	TLB	6910	15236	7728	17040	U20	U20	U20
DEERE	310SJ TMC	TLB	6910	15236	8171	18017	U20	U20	U20
DEERE	315SG	TLB	5514	12158	6667	14700	U20	U20	U20
DEERE	315SJ	TLB	6910	15236	8435	18600	U20	U20	U20
DEERE	410G	TLB	6712	14801	6803	15000	U20	U20	U20
DEERE	410J	TLB	6712	14801	8426	18580	U20	U20	U20
DEERE	410J TMC	TLB	6712	14801	8627	19022	U20	U20	U20
DEERE	710C	TLB	6122	13500	10204	22500	U20	U20	U20
DEERE	710D	TLB	6372	14050	10431	23000	U20	U20	U20
DEERE	444E	LOADER	8299	18300	9553	21064	V17	U20	U20
DEERE	544G TC	LOADER	8399	18519	11325	24972	V17	U20	U20
DEERE	555G	LOADER	8299	18300	10612	23399	V17	U20	U20
DEERE	75D	BACKHOE	5609	12368	8047	17743	V17	U20	U20
DEERE	85D	BACKHOE	5609	12368	8536	18821	V17	U20	U20
DEERE	290D	BACKHOE	5714	12600	9407	20743	V17	U20	U25
DEERE	310SK	BACKHOE	6910	15236	6670	14708	V17	U20	U25
DEERE	444H	LOADER	9080	20021	9751	21500	V17	U20	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DEERE	524K HL	LOADER	8502	18748	13039	28752	V17	U20	U25
DEERE	524K Z-BAR	LOADER	9191	20267	12846	28326	V17	U20	U25
DEERE	544C	LOADER	8667	19110	10971	24192	V17	U20	U25
DEERE	544E	LOADER	11420	25180	10635	23451	V17	U20	U25
DEERE	544E H	LOADER	9278	20459	10605	23384	V17	U20	U25
DEERE	544G	LOADER	9225	20342	11081	24434	V17	U20	U25
DEERE	544G H	LOADER	9410	20750	11088	24449	V17	U20	U25
DEERE	544J	LOADER	10282	22672	13814	30459	V17	U20	U25
DEERE	544J MH	LOADER	9577	21117	15768	34768	V17	U20	U25
DEERE	544K HL	LOADER	10043	22144	13528	29829	V17	U20	U25
DEERE	544K WH	LOADER	9577	21117	16204	35729	V17	U20	U25
DEERE	544K Z-BAR	LOADER	10862	23951	13370	29481	V17	U20	U25
DEERE	605C	LOADER	10195	22480	10703	23600	V17	U20	U25
DEERE	624K POWERLLEL	LOADER	10757	23719	16902	37268	V17	U20	U25
DEERE	644A	LOADER	9176	20234	11987	26432	V17	U20	U25
DEERE	644B	LOADER	9176	20234	13206	29120	V17	U20	U25
DEERE	710L	LOADER	8598	18959	12260	27033	V17	U20	U25
DEERE	TC54H	LOADER	10343	22806	12100	26680	V17	U20	U25
DEERE	510C	TLB	8215	18115	7488	16512	U25	U25	U25
DEERE	710G	TLB	7710	17000	10431	23000	U25	U25	U25
DEERE	710J	TLB	7710	17000	11791	26000	U25	U25	U25
DEERE	110	BACKHOE	7749	17087	12120	26725	U20	U25	U25
DEERE	310SK TC	BACKHOE	6910	15236	9005	19855	U20	U25	U25
DEERE	410K	BACKHOE	6712	14801	7434	16391	U20	U25	U25
DEERE	410K TC	BACKHOE	6712	14801	9294	20494	U20	U25	U25
DEERE	490D	BACKHOE	7449	16425	12440	27430	U20	U25	U25
DEERE	495D	BACKHOE	7302	16100	11875	26184	U20	U25	U25
DEERE	544H	LOADER	11626	25636	11791	26000	U20	U25	U25
DEERE	624G	LOADER	12112	26708	12632	27854	U20	U25	U25
DEERE	624J	LOADER	11739	25884	15595	34386	U20	U25	U25
DEERE	624K HL	LOADER	11659	25709	16081	35458	U20	U25	U25
DEERE	644C	LOADER	11317	24955	13714	30240	U20	U25	U25
DEERE	644K POWERLLEL	LOADER	12027	26519	19962	44017	U20	U25	U25
DEERE	655	LOADER	11623	25629	14933	32928	U20	U25	U25
DEERE	655B	LOADER	12133	26754	15646	34500	U20	U25	U25
DEERE	710K	BACKHOE	7710	17000	10795	23802	U20	U25	U25
DEERE	755A	LOADER	12643	27878	12597	27776	U20	U25	U25
DEERE	120	BACKHOE	8907	19640	12150	26790	U20	U25	U30
DEERE	120 LC	BACKHOE	8907	19640	12150	26790	U20	U25	U30
DEERE	120C	BACKHOE	9815	21643	14190	31290	U20	U25	U30
DEERE	120D	BACKHOE	9411	20751	13924	30702	U20	U25	U30
DEERE	130G	BACKHOE	9741	21480	13374	29489	U20	U25	U30
DEERE	135C RTS	BACKHOE	8798	19400	13805	30440	U20	U25	U30
DEERE	135D	BACKHOE	9840	21698	14851	32747	U20	U25	U30
DEERE	135G	BACKHOE	9741	21480	14884	32819	U20	U25	U30
DEERE	160	BACKHOE	10145	22370	15850	34950	U20	U25	U30
DEERE	160 LC	BACKHOE	10145	22370	15850	34950	U20	U25	U30
DEERE	200C LC SLF	BACKHOE	8526	18800	21964	48430	U20	U25	U30
DEERE	200D LC SLF	BACKHOE	8029	17703	23420	51640	U20	U25	U30
DEERE	230C LC SLF	BACKHOE	8526	18800	26134	57625	U20	U25	U30
DEERE	240D LC SLF	BACKHOE	8007	17656	25995	57320	U20	U25	U30
DEERE	270C LC SLF	BACKHOE	8526	18800	29429	64890	U20	U25	U30
DEERE	270D LC SLF	BACKHOE	8007	17656	29439	64913	U20	U25	U30
DEERE	330C LC SLF	BACKHOE	8844	19500	34275	75577	U20	U25	U30
DEERE	350D LC SLF	BACKHOE	9384	20691	36398	80257	U20	U25	U30
DEERE	490E	BACKHOE	8880	19580	12145	26780	U20	U25	U30
DEERE	590D	BACKHOE	8601	18965	15048	33180	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DEERE	595	BACKHOE	8599	18960	16825	37100	U20	U25	U30
DEERE	624E	LOADER	13968	30800	12748	28109	U20	U25	U30
DEERE	624E H	LOADER	12541	27653	12659	27913	U20	U25	U30
DEERE	624G H	LOADER	12935	28521	12810	28246	U20	U25	U30
DEERE	624H	LOADER	13928	30711	13605	30000	U20	U25	U30
DEERE	624J MH	LOADER	13503	29774	17875	39414	U20	U25	U30
DEERE	624K WH	LOADER	13503	29774	17936	39549	U20	U25	U30
DEERE	624K Z-BAR	LOADER	12819	28266	15884	35025	U20	U25	U30
DEERE	642G H	LOADER	13356	29451	12810	28246	U20	U25	U30
DEERE	644K HL	LOADER	13780	30384	19088	42088	U20	U25	U30
DEERE	655C	LOADER	12551	27675	15397	33950	U20	U25	U30
DEERE	655C-II	LOADER	12551	27675	15397	33950	U20	U25	U30
DEERE	724K HL	LOADER	13882	30610	19779	43613	U20	U25	U30
DEERE	755B	LOADER	12439	27428	16395	36150	U20	U25	U30
DEERE	TC62H	LOADER	12286	27091	13906	30662	U20	U25	U30
DEERE	644E	LOADER	16823	37095	15468	34108	U25	U25	U30
DEERE	644G	LOADER	15497	34171	15980	35236	U25	U25	U30
DEERE	644H	LOADER	14869	32786	17689	39004	U25	U25	U30
DEERE	644H MH	LOADER	15615	34432	17564	38728	U25	U25	U30
DEERE	644J	LOADER	15604	34407	18209	40150	U25	U25	U30
DEERE	644J MH	LOADER	15633	34471	21791	48050	U25	U25	U30
DEERE	644K WH	LOADER	15633	34471	22039	48596	U25	U25	U30
DEERE	644K Z-BAR	LOADER	15376	33903	18721	41279	U25	U25	U30
DEERE	724J	LOADER	14395	31742	18460	40704	U25	U25	U30
DEERE	724J MH	LOADER	15633	34471	22665	49976	U25	U25	U30
DEERE	724K WH	LOADER	15633	34471	23032	50786	U25	U25	U30
DEERE	724K Z-BAR	LOADER	15605	34408	19553	43115	U25	U25	U30
DEERE	844	LOADER	14682	32374	23873	52640	U25	U25	U30
DEERE	160C LC	BACKHOE	10522	23200	16376	36110	U25	U30	U30
DEERE	644E H	LOADER	15906	35072	16245	35820	U25	U30	U30
DEERE	644G H	LOADER	17231	37995	17345	38245	U25	U30	U30
DEERE	744H	LOADER	17152	37821	23254	51275	U25	U30	U30
DEERE	744H MH	LOADER	18277	40300	23224	51210	U25	U30	U30
DEERE	744J MH	LOADER	18030	39756	30352	66926	U25	U30	U30
DEERE	744K HL	LOADER	17430	38433	24893	54889	U25	U30	U30
DEERE	744K WH	LOADER	18030	39756	29501	65049	U25	U30	U30
DEERE	755C	LOADER	16816	37080	20998	46300	U25	U30	U30
DEERE	755C-II	LOADER	16816	37080	20998	46300	U25	U30	U30
DEERE	755D	LOADER	16721	36869	20977	46255	U25	U30	U30
DEERE	824K HL	LOADER	17946	39570	26709	58894	U25	U30	U30
DEERE	160D LC	BACKHOE	10293	22697	18132	39980	U25	U30	U35
DEERE	160G LC	BACKHOE	10702	23598	17998	39685	U25	U30	U35
DEERE	180C W	BACKHOE	10399	22930	18797	41447	U25	U30	U35
DEERE	180G LC	BACKHOE	11479	25311	20098	44317	U25	U30	U35
DEERE	190D W	BACKHOE	10393	22916	20697	45636	U25	U30	U35
DEERE	200 LC	BACKHOE	12508	27580	20295	44750	U25	U30	U35
DEERE	200C LC	BACKHOE	13791	30410	20921	46130	U25	U30	U35
DEERE	210C W	BACKHOE	13152	29000	20590	45400	U25	U30	U35
DEERE	595D	BACKHOE	13408	29565	16427	36222	U25	U30	U35
DEERE	690B	BACKHOE	12794	28210	19527	43058	U25	U30	U35
DEERE	690D	BACKHOE	12794	28210	19527	43058	U25	U30	U35
DEERE	690D LC	BACKHOE	12794	28210	19524	43050	U25	U30	U35
DEERE	690E	BACKHOE	12918	28485	20231	44610	U25	U30	U35
DEERE	690E LC	BACKHOE	12918	28485	20231	44610	U25	U30	U35
DEERE	744J	LOADER	20193	44526	23341	51467	U25	U30	U35
DEERE	744K Z-BAR	LOADER	19459	42906	24546	54125	U25	U30	U35
DEERE	755K	LOADER	20091	44300	20489	45178	U25	U30	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DEERE	824J	LOADER	19463	42916	26020	57374	U25	U30	U35
DEERE	824K Z-BAR	LOADER	18902	41678	26325	58047	U25	U30	U35
DEERE	844J	LOADER	22367	49320	30984	68320	U30	U30	U35
DEERE	844K Z-BAR	LOADER	21705	47860	32532	71734	U30	U30	U35
DEERE	200D LC	BACKHOE	13197	29099	22649	49940	U30	U35	U40
DEERE	210G	BACKHOE	15936	35138	22285	49139	U30	U35	U40
DEERE	210G LC	BACKHOE	15936	35138	22886	50463	U30	U35	U40
DEERE	220D W	BACKHOE	13108	28904	23584	52003	U30	U35	U40
DEERE	225C LC RTS	BACKHOE	13197	29100	24236	53440	U30	U35	U40
DEERE	225D LC	BACKHOE	13197	29099	24461	53936	U30	U35	U40
DEERE	230 LC	BACKHOE	15791	34820	27510	60660	U30	U35	U40
DEERE	230C LC	BACKHOE	17084	37670	24499	54020	U30	U35	U40
DEERE	240D LC	BACKHOE	17084	37670	24786	54654	U30	U35	U40
DEERE	245G LC	BACKHOE	16110	35522	25473	56167	U30	U35	U40
DEERE	270 LC	BACKHOE	16993	37470	27510	60660	U30	U35	U40
DEERE	270C LC	BACKHOE	16998	37480	28512	62870	U30	U35	U40
DEERE	270D LC	BACKHOE	16998	37480	28764	63425	U30	U35	U40
DEERE	790	BACKHOE	13003	28672	22857	50400	U30	U35	U40
DEERE	790D	BACKHOE	13098	28880	24101	53143	U30	U35	U40
DEERE	790E	BACKHOE	14995	33065	23458	51725	U30	U35	U40
DEERE	790E LC	BACKHOE	14995	33065	23458	51725	U30	U35	U40
DEERE	792	BACKHOE	17007	37500	28526	62900	U30	U35	U40
DEERE	792D LC	BACKHOE	15193	33500	27324	60250	U30	U35	U40
DEERE	892D LC	BACKHOE	17007	37500	28973	63886	U30	U35	U40
DEERE	892D	BACKHOE	17007	37500	30522	67300	U35	U40	U40
DEERE	250G LC	BACKHOE	19269	42489	25277	55736	U35	U40	U45
DEERE	290G LC	BACKHOE	21105	46536	30085	66338	U35	U40	U45
DEERE	300G LC	BACKHOE	20595	45411	12948	28551	U35	U40	U45
DEERE	330 LC	BACKHOE	21143	46620	33016	72800	U35	U40	U45
DEERE	330C LC	BACKHOE	21868	48220	33016	72800	U35	U40	U45
DEERE	370	BACKHOE	21143	46620	36825	81200	U35	U40	U45
DEERE	370C	BACKHOE	21868	48220	36825	81200	U35	U40	U45
DEERE	892E LC	BACKHOE	18875	41620	30590	67450	U35	U40	U45
DEERE	990	BACKHOE	18498	40787	40912	90212	U35	U40	U45
DEERE	350D LC	BACKHOE	21868	48220	35361	77970	U40	U45	U55
DEERE	350G LC	BACKHOE	25081	55303	34720	76557	U40	U45	U55
DEERE	380G LC	BACKHOE	25081	55303	37194	82012	U40	U45	U55
DEERE	450 LC	BACKHOE	24027	52980	44399	97900	U40	U45	U55
DEERE	450C LC	BACKHOE	24049	53028	47166	104000	U40	U45	U55
DEERE	550 LC	BACKHOE	25488	56200	56176	123867	U40	U45	U55
DEERE	944K	LOADER	40000	88200	50000	110250	U40	U45	U55
DEERE	992D	BACKHOE	21497	47400	44231	97530	U40	U45	U55
DEERE	992D LC	BACKHOE	21841	48160	44231	97530	U40	U45	U55
DEERE	992E LC	BACKHOE	24027	52980	44263	97600	U40	U45	U55
DEERE	450D LC	BACKHOE	25901	57111	48154	106180	U45	U55	U55
DEERE	600C LC	BACKHOE	26415	58245	59728	131700	U45	U55	U55
DEERE	470G LC	BACKHOE	29159	64295	49411	108952	U45	U55	U60
DEERE	550 LC BE	BACKHOE	26757	59000	56236	124000	U45	U55	U60
DEERE	600C LC ME	BACKHOE	28222	62230	59728	131700	U45	U55	U60
DEERE	650D LC	BACKHOE	29564	65189	69021	152192	U45	U55	U60
DEERE	750	BACKHOE	29524	65100	74410	164075	U45	U55	U60
DEERE	800C	BACKHOE	29301	64608	76435	168540	U45	U55	U60
DEERE	850D LC ME	BACKHOE	41899	92388	84298	185876	U55	U60	--
DEERE	870G LC	BACKHOE	40680	89699	87644	193255	U55	U60	--
DEERE	650D LC ME	BACKHOE	33846	74630	69021	152192	U55	U60	U60
DEERE	670G LC	BACKHOE	33033	72838	71676	158045	U55	U60	U60
DEERE	800C ME	BACKHOE	38279	84405	76435	168540	U55	U60	U60

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DEERE	850D LC	BACKHOE	36907	81381	84298	185876	U55	U60	U60
DEERE	110	TLB	2595	5723	3447	7600	V13	V13	V13
DEERE	210C	TLB	3039	6700	4082	9000	V13	V13	V13
DEERE	240	SKID-STEER	2494	5500	2796	6165	V13	V13	V13
DEERE	250	SKID-STEER	2494	5500	2834	6250	V13	V13	V13
DEERE	260	SKID-STEER	3401	7500	3741	8250	V13	V13	V13
DEERE	313	SKID-STEER	1497	3300	2336	5150	V13	V13	V13
DEERE	315	SKID-STEER	1497	3300	2358	5200	V13	V13	V13
DEERE	317	SKID-STEER	2494	5500	2857	6300	V13	V13	V13
DEERE	318D	SKID-STEER	2324	5125	2925	6450	V13	V13	V13
DEERE	319D	SKID-STEER	2324	5125	3878	8550	V13	V13	V13
DEERE	320	SKID-STEER	2494	5500	2918	6435	V13	V13	V13
DEERE	320D	SKID-STEER	2324	5125	2993	6600	V13	V13	V13
DEERE	323D	SKID-STEER	2540	5600	3878	8550	V13	V13	V13
DEERE	325	SKID-STEER	3401	7500	3805	8390	V13	V13	V13
DEERE	326D	SKID-STEER	3515	7750	3685	8125	V13	V13	V13
DEERE	CT315	SKID-STEER	1497	3300	3084	6800	V13	V13	V13
DEERE	CT322	SKID-STEER	2744	6050	3867	8527	V13	V13	V13
DEERE	270	SKID-STEER	4762	10500	3855	8500	V13	V13	V17
DEERE	280	SKID-STEER	5261	11600	4172	9200	V13	V13	V17
DEERE	328	SKID-STEER	4762	10500	3891	8580	V13	V13	V17
DEERE	328D	SKID-STEER	4671	10300	3810	8400	V13	V13	V17
DEERE	329D	SKID-STEER	4683	10325	4912	10830	V13	V13	V17
DEERE	332	SKID-STEER	5261	11600	4154	9160	V13	V13	V17
DEERE	CT332	SKID-STEER	5261	11600	4909	10825	V13	V13	V17
DEERE	110	LOADER	1798	3965	3447	7600	V13	V13	V13
DEERE	17 ZTS	BACKHOE	1380	3042	1730	3814	V13	V13	V13
DEERE	17D	BACKHOE	1631	3597	1893	4173	V13	V13	V13
DEERE	210C	LOADER	3059	6745	3447	7600	V13	V13	V13
DEERE	210LE	LOADER	3583	7900	4141	9130	V13	V13	V13
DEERE	210LJ	LOADER	3583	7900	6218	13710	V13	V13	V13
DEERE	27 ZTS	BACKHOE	2300	5071	2884	6360	V13	V13	V13
DEERE	27C ZTS	BACKHOE	2300	5071	2940	6482	V13	V13	V13
DEERE	27D ZTS	BACKHOE	2265	4994	2883	6358	V13	V13	V13
DEERE	310G	LOADER	3673	8100	5805	12800	V13	V13	V13
DEERE	310J	LOADER	4240	9350	7356	16220	V13	V13	V13
DEERE	3375	LOADER	639	1409	998	2200	V13	V13	V13
DEERE	35 ZTS	BACKHOE	2800	6173	3529	7782	V13	V13	V13
DEERE	35D ZTS	BACKHOE	2804	6182	3519	7760	V13	V13	V13
DEERE	35G	BACKHOE	2760	6085	3952	8715	V13	V13	V13
DEERE	4475	LOADER	1544	3405	1993	4395	V13	V13	V13
DEERE	5575	LOADER	1544	3405	2041	4500	V13	V13	V13
DEERE	6675	LOADER	1683	3712	2447	5395	V13	V13	V13
DEERE	7775	LOADER	1683	3712	2451	5405	V13	V13	V13
DEERE	84	LOADER	4078	8993	5100	11246	V13	V13	V13
DEERE	8875	LOADER	2737	6034	3176	7004	V13	V13	V13
DEERE	244H	LOADER	4600	10143	5156	11370	V13	V13	V17
DEERE	244J	LOADER	4894	10792	5239	11552	V13	V13	V17
DEERE	304H	LOADER	4589	10119	5462	12044	V13	V13	V17
DEERE	304J	LOADER	5607	12364	6079	13404	V13	V13	V17
DEERE	310L	LOADER	4918	10844	6653	14669	V13	V13	V17
DEERE	310SE	LOADER	5438	11990	6122	13500	V13	V13	V17
DEERE	310SG	LOADER	4630	10210	6122	13500	V13	V13	V17
DEERE	310SJ	LOADER	5061	11160	7728	17040	V13	V13	V17
DEERE	310SJ TMC	LOADER	5119	11287	8171	18017	V13	V13	V17
DEERE	315SG	LOADER	4671	10300	6667	14700	V13	V13	V17
DEERE	315SJ	LOADER	5061	11160	8435	18600	V13	V13	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DEERE	35C ZTS	BACKHOE	2800	6173	3519	7760	V13	V13	V17
DEERE	410G	LOADER	4630	10210	6803	15000	V13	V13	V17
DEERE	410J	LOADER	4671	10300	8426	18580	V13	V13	V17
DEERE	410J TMC	LOADER	5193	11450	8627	19022	V13	V13	V17
DEERE	300D	TLB	4639	10230	5533	12200	V17	V17	V17
DEERE	310C	TLB	4240	9350	5941	13100	V17	V17	V17
DEERE	310E	TLB	5037	11106	5805	12800	V17	V17	V17
DEERE	310G	TLB	5037	11106	5805	12800	V17	V17	V17
DEERE	310J	TLB	5037	11106	7356	16220	V17	V17	V17
DEERE	332D	SKID-STEER	6293	13875	4159	9170	V17	V17	V17
DEERE	333D	SKID-STEER	6293	13875	4989	11000	V17	V17	V17
DEERE	410C	TLB	4308	9500	6531	14400	V17	V17	V17
DEERE	410E	TLB	4671	10300	7066	15580	V17	V17	V17
DEERE	510D	TLB	4989	11000	7710	17000	V17	V17	V17
DEERE	610C	TLB	4989	11000	7392	16300	V17	V17	V17
DEERE	190E	BACKHOE	5073	11185	7392	16300	V13	V17	U20
DEERE	310K	BACKHOE	5037	11106	6363	14030	V13	V17	U20
DEERE	310K EP	BACKHOE	5037	11106	6310	13913	V13	V17	U20
DEERE	310SL	LOADER	6918	15254	7198	15872	V13	V17	U20
DEERE	315SL	LOADER	6921	15260	7961	17554	V13	V17	U20
DEERE	324H	LOADER	7541	16629	7094	15642	V13	V17	U20
DEERE	344E	LOADER	6627	14613	7835	17276	V13	V17	U20
DEERE	444	LOADER	6729	14838	9041	19936	V13	V17	U20
DEERE	444C	LOADER	7137	15737	8838	19488	V13	V17	U20
DEERE	444K POWERLLEL	LOADER	6698	14770	12315	27155	V13	V17	U20
DEERE	450C	LOADER	6627	14613	7619	16800	V13	V17	U20
DEERE	455D	LOADER	7137	15737	8330	18368	V13	V17	U20
DEERE	455E	LOADER	6933	15288	7787	17170	V13	V17	U20
DEERE	555A	LOADER	7137	15737	8432	18592	V13	V17	U20
DEERE	555B	LOADER	7035	15513	8376	18470	V13	V17	U20
DEERE	60D	BACKHOE	4180	9217	6540	14420	V13	V17	U20
DEERE	60G	BACKHOE	4189	9237	6542	14425	V13	V17	U20
DEERE	70	BACKHOE	4499	9920	6621	14600	V13	V17	U20
DEERE	70D	BACKHOE	4499	9920	6358	14020	V13	V17	U20
DEERE	710G	LOADER	6712	14800	10431	23000	V13	V17	U20
DEERE	710J	LOADER	7116	15690	11791	26000	V13	V17	U20
DEERE	75C	BACKHOE	5088	11220	8034	17714	V13	V17	U20
DEERE	75G	BACKHOE	4751	10476	8141	17952	V13	V17	U20
DEERE	80	BACKHOE	5088	11220	7528	16600	V13	V17	U20
DEERE	80C	BACKHOE	5088	11220	8122	17910	V13	V17	U20
DEERE	85G	BACKHOE	4751	10476	8727	19244	V13	V17	U20
DEERE	455G	LOADER	6077	13400	9573	21109	V13	V17	V17
DEERE	50 ZTS	BACKHOE	3800	8378	4791	10565	V13	V17	V17
DEERE	50C ZTS	BACKHOE	3800	8378	4649	10252	V13	V17	V17
DEERE	50D ZTS	BACKHOE	3752	8273	4903	10811	V13	V17	V17
DEERE	50G	BACKHOE	3749	8267	5147	11349	V13	V17	V17
DEERE	544A	LOADER	6117	13489	9346	20608	V13	V17	V17
DEERE	344H	LOADER	7541	16629	7699	16976	V17	V17	U20
DEERE	344J	LOADER	7850	17310	8508	18761	V17	V17	U20
DEERE	410L	LOADER	7868	17350	8827	19463	V17	V17	U20
DEERE	444J	LOADER	7553	16655	11626	25635	V17	V17	U20
DEERE	444K HL	LOADER	7355	16217	11360	25048	V17	V17	U20
DEERE	444K Z-BAR	LOADER	7968	17570	11201	24698	V17	V17	U20
DEERE	524K WH	LOADER	8028	17701	15561	34311	V17	V17	U20
DEERE	544B	LOADER	8055	17761	9854	21728	V17	V17	U20
DEERE	544K POWERLLEL	LOADER	7801	17201	14062	31007	V17	V17	U20
DEERE	TC44H	LOADER	7986	17610	10270	22646	V17	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DOOSAN	DX80 R	BACKHOE	5578	12300	8438	18606	V17	U20	U20
DOOSAN	DL200	LOADER	10498	23149	11298	24912	V17	U20	U25
DOOSAN	DL200 HL	LOADER	9998	22046	11938	26323	V17	U20	U25
DOOSAN	DL200-3	LOADER	10082	22230	12159	26810	V17	U20	U25
DOOSAN	DL200TC-3	LOADER	10449	23040	12168	26830	V17	U20	U25
DOOSAN	DL220-3	LOADER	10726	23650	12857	28350	V17	U20	U25
DOOSAN	DL250TC-3	LOADER	10449	23040	12168	26830	V17	U20	U25
DOOSAN	DX85-3 R	BACKHOE	6580	14509	8629	19026	V17	U20	U25
DOOSAN	MEGA160 TC	LOADER	9397	20720	8599	18960	V17	U20	U25
DOOSAN	MEGA200(V)	LOADER	10499	23150	10998	24250	V17	U20	U25
DOOSAN	MEGA200(V) TC	LOADER	10794	23800	10998	24250	V17	U20	U25
DOOSAN	DL250 HL	LOADER	12198	26896	14561	32108	U20	U25	U25
DOOSAN	DL250	LOADER	13198	29101	13997	30864	U20	U25	U30
DOOSAN	DL250-3	LOADER	12299	27120	14467	31900	U20	U25	U30
DOOSAN	DX140 LC	BACKHOE	9598	21164	14197	31305	U20	U25	U30
DOOSAN	DX160-5 LC HT	BACKHOE	10068	22200	15510	34200	U20	U25	U30
DOOSAN	MEGA250(V)	LOADER	13198	29101	13997	30864	U20	U25	U30
DOOSAN	S140(V) LC	BACKHOE	8299	18300	13878	30600	U20	U25	U30
DOOSAN	S140(V) W	BACKHOE	8337	18382	13098	28880	U20	U25	U30
DOOSAN	S220(V) LC SLR	BACKHOE	8400	18522	22676	50000	U20	U25	U30
DOOSAN	S225(V) LC SLR	BACKHOE	8390	18500	23593	52023	U20	U25	U30
DOOSAN	S300(V) LC SLR	BACKHOE	8299	18300	30694	67681	U20	U25	U30
DOOSAN	DL300	LOADER	16517	36419	17297	38139	U25	U30	U30
DOOSAN	DL300-5	LOADER	17128	37768	18977	41844	U25	U30	U30
DOOSAN	DL350-5	LOADER	16721	36869	19741	43530	U25	U30	U30
DOOSAN	MEGA300(V)	LOADER	18497	40785	17302	38150	U25	U30	U30
DOOSAN	DX140 W	BACKHOE	10138	22355	15552	34292	U25	U30	U35
DOOSAN	DX140-3 LC	BACKHOE	11098	24471	14498	31967	U25	U30	U35
DOOSAN	DX140-3 LCR	BACKHOE	11098	24471	15197	33510	U25	U30	U35
DOOSAN	DX180 LC	BACKHOE	12998	28660	8009	17660	U25	U30	U35
DOOSAN	DX180-3 LC	BACKHOE	13098	28881	19213	42364	U25	U30	U35
DOOSAN	DX180-5 LC	BACKHOE	11882	26200	16780	37000	U25	U30	U35
DOOSAN	DX180-5 LC HT	BACKHOE	11882	26200	17506	38600	U25	U30	U35
DOOSAN	S170(V) LC	BACKHOE	11293	24900	17188	37900	U25	U30	U35
DOOSAN	S175(V) LC	BACKHOE	11383	25100	17397	38360	U25	U30	U35
DOOSAN	S180(V) W	BACKHOE	11197	24690	18497	40785	U25	U30	U35
DOOSAN	S210(V) W	BACKHOE	13107	28900	20546	45304	U25	U30	U35
DOOSAN	S220(V) LC	BACKHOE	13107	28900	20907	46100	U25	U30	U35
DOOSAN	S225(V) LC	BACKHOE	13107	28900	21497	47400	U25	U30	U35
DOOSAN	DL400	LOADER	22430	49458	22496	49603	U30	U30	U35
DOOSAN	DL400 HL	LOADER	20901	46086	23936	52779	U30	U30	U35
DOOSAN	DL420-5	LOADER	21410	47210	23031	50784	U30	U30	U35
DOOSAN	DL450-5	LOADER	23551	51930	25790	56868	U30	U30	U35
DOOSAN	MEGA400(V)	LOADER	22000	48510	22036	48590	U30	U30	U35
DOOSAN	DL550-5	LOADER	25081	55303	31705	69909	U30	U35	U40
DOOSAN	DX190 W	BACKHOE	14197	31305	19527	43056	U30	U35	U40
DOOSAN	DX210 W	BACKHOE	15197	33510	20897	46077	U30	U35	U40
DOOSAN	DX225 LC	BACKHOE	15197	33510	21496	47399	U30	U35	U40
DOOSAN	DX225-3 LC	BACKHOE	15197	33510	22796	50265	U30	U35	U40
DOOSAN	DX225-5 LC	BACKHOE	13787	30400	20045	44200	U30	U35	U40
DOOSAN	DX235 LCR	BACKHOE	15197	33510	24596	54234	U30	U35	U40
DOOSAN	DX235-5 LC	BACKHOE	14966	33000	20680	45600	U30	U35	U40
DOOSAN	DX235-5 NLC	BACKHOE	14966	33000	20317	44800	U30	U35	U40
DOOSAN	DX255-5 LC	BACKHOE	16236	35800	22857	50400	U30	U35	U40
DOOSAN	MEGA500(V)	LOADER	26995	59525	29795	65698	U30	U35	U40
DOOSAN	S250(V) LC	BACKHOE	16417	36200	24399	53800	U30	U35	U40
DOOSAN	S255(V) LC	BACKHOE	15193	33500	24580	54200	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DOOSAN	DL500	LOADER	27834	61373	31195	68784	U35	U35	U40
DOOSAN	DL500 HL	LOADER	30077	66319	30095	66359	U35	U35	U40
DOOSAN	DX255-3 LC	BACKHOE	17897	39463	25995	57320	U35	U40	U40
DOOSAN	S290(V) LC	BACKHOE	18095	39900	28798	63500	U35	U40	U40
DOOSAN	DX255 LC	BACKHOE	18596	41005	24595	54233	U35	U40	U45
DOOSAN	DX300 LC	BACKHOE	20396	44974	29294	64594	U35	U40	U45
DOOSAN	DX300-5 LC	BACKHOE	19996	44092	31275	68961	U35	U40	U45
DOOSAN	DX300-7 LC	BACKHOE	18141	40000	27483	60600	U35	U40	U45
DOOSAN	DX520 LC LR	BACKHOE	20317	44800	50703	111800	U35	U40	U45
DOOSAN	DX530-5 LC	BACKHOE	20299	44759	47256	104200	U35	U40	U45
DOOSAN	S290(V) LC SLR	BACKHOE	18095	39900	29896	65920	U35	U40	U45
DOOSAN	S300(V) LC	BACKHOE	18095	39900	30794	67900	U35	U40	U45
DOOSAN	S330(V) LC	BACKHOE	21769	48000	33107	73000	U35	U40	U45
DOOSAN	S340(V) LC	BACKHOE	21769	48000	15374	33900	U35	U40	U45
DOOSAN	DX340 LC	BACKHOE	24495	54012	34094	75178	U40	U45	U55
DOOSAN	DX340-5 LC	BACKHOE	23492	51800	32834	72400	U40	U45	U55
DOOSAN	DX350-5 LC	BACKHOE	25896	57100	36574	80645	U40	U45	U55
DOOSAN	DX350-7 LC	BACKHOE	23492	51800	32744	72200	U40	U45	U55
DOOSAN	DX380-5 LC	BACKHOE	23492	51800	36463	80400	U40	U45	U55
DOOSAN	DX380-7 LC	BACKHOE	23492	51800	36463	80400	U40	U45	U55
DOOSAN	DX420 LC	BACKHOE	27795	61288	40893	90169	U40	U45	U55
DOOSAN	DX420 LC-5	BACKHOE	27099	59754	38639	85200	U40	U45	U55
DOOSAN	S400(V) LC	BACKHOE	24082	53100	40408	89100	U40	U45	U55
DOOSAN	S420(V) LC	BACKHOE	24082	53100	41193	90830	U40	U45	U55
DOOSAN	S470(V) LC	BACKHOE	27166	59900	46893	103400	U40	U45	U55
DOOSAN	DX420-5 LC	BACKHOE	27095	59745	43034	94891	U45	U55	U55
DOOSAN	DX480 LC	BACKHOE	30794	67901	47492	104719	U45	U55	U60
DOOSAN	DX490-5 LC	BACKHOE	30795	67902	50888	112207	U45	U55	U60
DOOSAN	DX490-7 LC	BACKHOE	29569	65200	45714	100800	U45	U55	U60
DOOSAN	DX490LC-5	BACKHOE	30790	67892	44898	99000	U45	U55	U60
DOOSAN	DX520 LC	BACKHOE	30612	67500	50703	111800	U45	U55	U60
DOOSAN	DX530-5 LC	BACKHOE	30795	67902	52869	116576	U45	U55	U60
DOOSAN	DX530-7 LC	BACKHOE	27302	60200	47982	105800	U45	U55	U60
DOOSAN	430 PLUS	SKID-STEER	1424	3139	2586	5703	V13	V13	V13
DOOSAN	440 PLUS	SKID-STEER	1490	3285	2781	6133	V13	V13	V13
DOOSAN	450 PLUS	SKID-STEER	2122	4678	3080	6791	V13	V13	V13
DOOSAN	460 PLUS	SKID-STEER	2356	5194	3129	6899	V13	V13	V13
DOOSAN	470 PLUS	SKID-STEER	2356	5194	3391	7478	V13	V13	V13
DOOSAN	DX27 Z	BACKHOE	2020	4453	2898	6390	V13	V13	V13
DOOSAN	DX30 Z	BACKHOE	2800	6173	3283	7240	V13	V13	V13
DOOSAN	S15	BACKHOE	1270	2800	1520	3351	V13	V13	V13
DOOSAN	S15 PLUS	BACKHOE	1270	2800	1570	3461	V13	V13	V13
DOOSAN	S30	BACKHOE	1550	3417	2839	6261	V13	V13	V13
DOOSAN	S30 PLUS	BACKHOE	1859	4100	2839	6260	V13	V13	V13
DOOSAN	S35	BACKHOE	2281	5030	3238	7140	V13	V13	V13
DOOSAN	DX35 Z	BACKHOE	3010	6636	3659	8069	V13	V13	V17
DOOSAN	DX55	BACKHOE	4199	9259	5599	12346	V13	V17	U20
DOOSAN	DX55 W	BACKHOE	4061	8954	5549	12236	V13	V17	U20
DOOSAN	DX60 R	BACKHOE	4069	8972	5849	12896	V13	V17	U20
DOOSAN	DX63-3	BACKHOE	4413	9731	6369	14043	V13	V17	U20
DOOSAN	S75(V)	BACKHOE	4900	10805	8001	17643	V13	V17	U20
DOOSAN	S55(V)	BACKHOE	3741	8250	5488	12100	V13	V17	V17
DOOSAN	DL160	LOADER	7399	16314	8728	19246	V17	V17	U20
DOOSAN	MEGA160	LOADER	7800	17200	8599	18960	V17	V17	U20
DRESSER	100B	LOADER	9176	20234	8025	17696	V17	U20	U20
DRESSER	175B	LOADER	10502	23156	14222	31360	V17	U20	U25
DRESSER	515BH	LOADER	9074	20009	9205	20298	V17	U20	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DRESSER	515C	LOADER	9822	21657	8489	18718	V17	U20	U25
DRESSER	518	LOADER	9199	20283	9360	20639	V17	U20	U25
DRESSER	520B	LOADER	11113	24505	10395	22921	V17	U20	U25
DRESSER	175C	LOADER	11245	24795	14694	32400	U20	U25	U25
DRESSER	520C	LOADER	12254	27019	10058	22177	U20	U25	U25
DRESSER	520CH	LOADER	12380	27297	11081	24433	U20	U25	U25
DRESSER	525	LOADER	12558	27691	11420	25181	U20	U25	U25
DRESSER	530	LOADER	11929	26304	13294	29313	U20	U25	U25
DRESSER	6120	BACKHOE	7800	17200	12027	26520	U20	U25	U25
DRESSER	620	BACKHOE	7517	16576	12292	27104	U20	U25	U25
DRESSER	620 W	BACKHOE	7517	16576	12394	27328	U20	U25	U25
DRESSER	625E	BACKHOE	8330	18368	12698	28000	U20	U25	U25
DRESSER	W625E	BACKHOE	8330	18368	11683	25760	U20	U25	U25
DRESSER	530ALL	LOADER	12745	28103	13714	30240	U20	U25	U30
DRESSER	532	LOADER	13339	29413	13105	28897	U20	U25	U30
DRESSER	540	LOADER	13867	30576	17962	39606	U20	U25	U30
DRESSER	540ALL	LOADER	13968	30800	18083	39872	U20	U25	U30
DRESSER	6150	BACKHOE	9000	19845	14050	30980	U20	U25	U30
DRESSER	6150 LC	BACKHOE	9000	19845	15982	35240	U20	U25	U30
DRESSER	630	BACKHOE	7857	17325	13918	30690	U20	U25	U30
DRESSER	630 W	BACKHOE	7857	17325	12943	28540	U20	U25	U30
DRESSER	L34	LOADER	14274	31475	18560	40925	U20	U25	U30
DRESSER	530C	LOADER	16424	36214	13482	29728	U25	U25	U30
DRESSER	538	LOADER	17741	39119	16728	36885	U25	U30	U30
DRESSER	550	LOADER	17333	38219	24888	54879	U25	U30	U30
DRESSER	635	BACKHOE	10714	23625	16263	35860	U25	U30	U30
DRESSER	635 W	BACKHOE	10714	23625	15297	33730	U25	U30	U30
DRESSER	W635E	BACKHOE	10667	23520	15949	35168	U25	U30	U30
DRESSER	542	LOADER	20902	46088	18927	41733	U25	U30	U35
DRESSER	635B	BACKHOE	11175	24640	17270	38080	U25	U30	U35
DRESSER	635E	BACKHOE	10667	23520	16762	36960	U25	U30	U35
DRESSER	645	BACKHOE	13461	29681	21950	48400	U25	U30	U35
DRESSER	535	LOADER	22941	50585	19500	42998	U30	U30	U35
DRESSER	545	LOADER	21018	46344	22020	48555	U30	U30	U35
DRESSER	555	LOADER	23695	52248	28703	63290	U30	U30	U35
DRESSER	558	LOADER	26993	59520	28945	63824	U30	U35	U40
DRESSER	6200	BACKHOE	14200	31310	19728	43500	U30	U35	U40
DRESSER	6200 LC	BACKHOE	14200	31310	20095	44310	U30	U35	U40
DRESSER	6220 LC	BACKHOE	13995	30860	23415	51630	U30	U35	U40
DRESSER	640B	BACKHOE	15035	33152	21638	47712	U30	U35	U40
DRESSER	650	BACKHOE	14933	32928	32305	71232	U30	U35	U40
DRESSER	560C	LOADER	34785	76700	41793	92154	U35	U40	U45
DRESSER	6300 LC	BACKHOE	18798	41450	31197	68790	U35	U40	U45
DRESSER	650B	BACKHOE	16684	36788	31791	70100	U35	U40	U45
DRESSER	568	LOADER	38434	84746	41023	90456	U40	U40	U45
DRESSER	570	LOADER	45576	100495	63541	140108	U40	U45	U55
DRESSER	570 H/L	LOADER	45576	100495	63557	140144	U40	U45	U55
DRESSER	570C	LOADER	40447	89186	69098	152360	U40	U45	U55
DRESSER	6400 LC	BACKHOE	22494	49600	42322	93320	U40	U45	U55
DRESSER	6650	BACKHOE	28993	63930	65215	143800	U45	U55	U60
DRESSER	6650 LC	BACKHOE	34494	76060	69478	153200	U55	U60	U60
DRESSER	165	LOADER	5404	11915	11886	26208	V13	V13	V17
DRESSER	100E	LOADER	6831	15063	7286	16065	V13	V17	U20
DRESSER	515B	LOADER	7137	15737	8696	19174	V13	V17	U20
DRESSER	150	LOADER	6220	13714	9956	21952	V13	V17	V17
DRESSER	510B	LOADER	6322	13939	7196	15868	V13	V17	V17
DRESSER	120E	LOADER	8565	18885	9045	19945	V17	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
DRESSER	125E	LOADER	8055	17761	9752	21504	V17	V17	U20
DRESSER	510C	LOADER	8215	18115	7488	16512	V17	V17	U20
DRESSER	512	LOADER	8829	19469	8150	17970	V17	V17	U20
DRESSER	515CH	LOADER	8234	18155	9208	20303	V17	V17	U20
DRESSER	580	LOADER	89520	197392	126190	278250	U60	--	--
DRESSER	580 (SPD)	LOADER	89520	197392	127438	281000	U60	--	--
DRESSER	580 H/L	LOADER	81567	179856	127188	280450	U60	--	--
DRESSTA	515E	LOADER	9822	21657	8788	19378	V17	U20	U25
DRESSTA	515EH	LOADER	9803	21615	9418	20767	V17	U20	U25
DRESSTA	515G	LOADER	9822	21657	9059	19974	V17	U20	U25
DRESSTA	175C	LOADER	11245	24795	14111	31115	U20	U25	U25
DRESSTA	520E	LOADER	12254	27019	10458	23060	U20	U25	U25
DRESSTA	520EH	LOADER	12380	27297	11478	25308	U20	U25	U25
DRESSTA	520G	LOADER	12255	27022	10458	23060	U20	U25	U25
DRESSTA	530E	LOADER	19432	42847	16497	36376	U25	U30	U30
DRESSTA	555B	LOADER	28612	63090	29415	64860	U35	U35	U40
DRESSTA	555C	LOADER	29117	64203	28913	63753	U35	U35	U40
DRESSTA	555C H/L	LOADER	30605	67485	28913	63753	U35	U35	U40
DRESSTA	560C	LOADER	34785	76700	41793	92154	U35	U40	U45
DRESSTA	560E	LOADER	35805	78950	41972	92549	U40	U40	U45
DRESSTA	560E H/L	LOADER	37487	82659	42416	93528	U40	U40	U45
DRESSTA	510E	LOADER	8207	18097	7799	17196	V17	V17	U20
FIAT-HITACHI	2000G49/59	TLB	6852	15108	8400	18522	U20	U20	U20
FIAT-HITACHI	2000G53	TLB	7096	15647	8750	19293	U20	U20	U20
FIAT-HITACHI	FB100	TLB	5995	13219	8125	17916	U20	U20	U20
FIAT-HITACHI	FB110	TLB	5995	13219	7700	16979	U20	U20	U20
FIAT-HITACHI	FB90	TLB	5496	12118	7865	17342	U20	U20	U20
FIAT-HITACHI	FH115 W	BACKHOE	5302	11691	11600	25578	V17	U20	U20
FIAT-HITACHI	FH85W	BACKHOE	5200	11466	8450	18632	V17	U20	U20
FIAT-HITACHI	FH95	BACKHOE	5200	11466	9755	21510	V17	U20	U20
FIAT-HITACHI	FB200 4WS	BACKHOE	6403	14119	8190	18059	V17	U20	U25
FIAT-HITACHI	FR100	LOADER	10339	22797	12650	27893	V17	U20	U25
FIAT-HITACHI	FR90PL	LOADER	9044	19942	9130	20132	V17	U20	U25
FIAT-HITACHI	W110	LOADER	9074	20009	9370	20661	V17	U20	U25
FIAT-HITACHI	W130	LOADER	10298	22707	11280	24872	V17	U20	U25
FIAT-HITACHI	FH130-3	BACKHOE	7500	16538	13000	28665	U20	U25	U25
FIAT-HITACHI	FH130-3 W	BACKHOE	8401	18525	12120	26725	U20	U25	U25
FIAT-HITACHI	FR130-2	LOADER	11593	25562	12890	28422	U20	U25	U25
FIAT-HITACHI	FH150 W	BACKHOE	8600	18963	14800	32634	U20	U25	U30
FIAT-HITACHI	FH150-3	BACKHOE	9003	19852	15000	33075	U20	U25	U30
FIAT-HITACHI	FH150-3 LC	BACKHOE	8769	19335	14997	33069	U20	U25	U30
FIAT-HITACHI	FH150-3 W	BACKHOE	9686	21358	15097	33289	U20	U25	U30
FIAT-HITACHI	W170	LOADER	13499	29766	14140	31179	U20	U25	U30
FIAT-HITACHI	W190	LOADER	15600	34397	17280	38102	U25	U25	U30
FIAT-HITACHI	FR160-2	LOADER	16008	35297	16480	36338	U25	U30	U30
FIAT-HITACHI	FH200-3	BACKHOE	12011	26484	19020	41939	U25	U30	U35
FIAT-HITACHI	FH200-3 LC	BACKHOE	11215	24730	19996	44092	U25	U30	U35
FIAT-HITACHI	FH200-3 MT	BACKHOE	11215	24730	21496	47399	U25	U30	U35
FIAT-HITACHI	FH200-3 W	BACKHOE	11501	25360	16850	37154	U25	U30	U35
FIAT-HITACHI	FH200E	BACKHOE	11215	24730	19996	44092	U25	U30	U35
FIAT-HITACHI	FH200E-3	BACKHOE	12000	26461	18620	41057	U25	U30	U35
FIAT-HITACHI	W230	LOADER	19168	42266	19996	44092	U25	U30	U35
FIAT-HITACHI	W270	LOADER	18597	41007	22210	48973	U25	U30	U35
FIAT-HITACHI	FR220-2	LOADER	22023	48561	22450	49502	U30	U30	U35
FIAT-HITACHI	FW350	LOADER	22329	49236	30400	67032	U30	U30	U35
FIAT-HITACHI	W350	LOADER	22329	49236	31270	68950	U30	U30	U35
FIAT-HITACHI	FH220 LC	BACKHOE	14274	31475	23995	52910	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
FIAT-HITACHI	FH220-3 EL	BACKHOE	14274	31475	23995	52910	U30	U35	U40
FIAT-HITACHI	FH240-3	BACKHOE	14172	31250	23470	51751	U30	U35	U40
FIAT-HITACHI	FH240-3 EL	BACKHOE	14172	31250	24000	52920	U30	U35	U40
FIAT-HITACHI	FH240-3 LC	BACKHOE	14172	31250	24080	53096	U30	U35	U40
FIAT-HITACHI	FH270-3	BACKHOE	15192	33498	26000	57330	U30	U35	U40
FIAT-HITACHI	FH300-2	BACKHOE	17200	37926	29000	63945	U35	U40	U40
FIAT-HITACHI	FH300 LC	BACKHOE	17537	38669	29995	66138	U35	U40	U45
FIAT-HITACHI	FH300E-2	BACKHOE	17537	38669	29995	66138	U35	U40	U45
FIAT-HITACHI	FH330-3	BACKHOE	18149	40018	30700	67694	U35	U40	U45
FIAT-HITACHI	FH330-3 BEH	BACKHOE	18149	40018	32050	70670	U35	U40	U45
FIAT-HITACHI	FH330-3 LC	BACKHOE	18149	40018	31350	69127	U35	U40	U45
FIAT-HITACHI	FH400 LCH	BACKHOE	21921	48336	43892	96782	U40	U45	U55
FIAT-HITACHI	FH400-2	BACKHOE	21500	47408	43900	96800	U40	U45	U55
FIAT-HITACHI	FH400-2 BEH	BACKHOE	21921	48336	44792	98766	U40	U45	U55
FIAT-HITACHI	FH450-3 BEH	BACKHOE	25795	56879	45400	100107	U40	U45	U55
FIAT-HITACHI	FH450-3 LCH	BACKHOE	24063	53058	44500	98123	U40	U45	U55
FIAT-HITACHI	FW450	LOADER	44556	98246	45100	99446	U40	U45	U55
FIAT-HITACHI	W450	LOADER	44556	98246	45092	99428	U40	U45	U55
FIAT-HITACHI	FH15-2	BACKHOE	1264	2788	1450	3197	V13	V13	V13
FIAT-HITACHI	FH22-2	BACKHOE	1998	4406	2380	5248	V13	V13	V13
FIAT-HITACHI	FH30-2	BACKHOE	2100	4631	2880	6350	V13	V13	V13
FIAT-HITACHI	FH35-2	BACKHOE	2437	5373	3230	7122	V13	V13	V13
FIAT-HITACHI	FW25	LOADER	1101	2428	1450	3197	V13	V13	V13
FIAT-HITACHI	FW60	LOADER	2998	6610	4600	10143	V13	V13	V13
FIAT-HITACHI	FW80	LOADER	3497	7711	4910	10827	V13	V13	V13
FIAT-HITACHI	FH40-2	BACKHOE	3293	7262	4150	9151	V13	V13	V17
FIAT-HITACHI	FH45-2	BACKHOE	3701	8161	4450	9812	V13	V13	V17
FIAT-HITACHI	FH65W	BACKHOE	3100	6835	6100	13451	V13	V13	V17
FIAT-HITACHI	W50H	LOADER	4792	10567	4260	9393	V13	V13	V17
FIAT-HITACHI	W60H	LOADER	5608	12365	4700	10364	V13	V13	V17
FIAT-HITACHI	W70H	LOADER	6117	13489	5800	12789	V13	V13	V17
FIAT-HITACHI	FR70	LOADER	6699	14771	7010	15457	V13	V17	U20
FIAT-HITACHI	W90	LOADER	7076	15603	7499	16535	V13	V17	U20
FIAT-HITACHI	W80H	LOADER	6811	15018	5710	12591	V13	V17	V17
FIAT-HITACHI	FR90	LOADER	8381	18480	8040	17728	V17	V17	U20
HITACHI	EX60-5	BACKHOE	5608	12365	6300	13892	V17	U20	U20
HITACHI	EX60-5 LC	BACKHOE	5608	12365	6390	14090	V17	U20	U20
HITACHI	ZX70 LC	BACKHOE	5608	12365	7019	15476	V17	U20	U20
HITACHI	ZX75-3 US	BACKHOE	5609	12368	8047	17743	V17	U20	U20
HITACHI	ZX80 SB LC	BACKHOE	5608	12365	8199	18078	V17	U20	U20
HITACHI	ZX85 US	BACKHOE	5608	12365	7799	17196	V17	U20	U20
HITACHI	ZX85-3 USB	BACKHOE	5609	12368	8536	18821	V17	U20	U20
HITACHI	EX90	BACKHOE	5700	12569	7600	16758	V17	U20	U25
HITACHI	UH053	BACKHOE	6603	14560	13511	29792	V17	U20	U25
HITACHI	ZW140	LOADER	10600	23373	10330	22778	V17	U20	U25
HITACHI	ZX130-6	BACKHOE	6279	13845	12097	26674	V17	U20	U25
HITACHI	ZX135-6 US	BACKHOE	6218	13710	14286	31500	V17	U20	U25
HITACHI	EX100	BACKHOE	7982	17600	10703	23600	U20	U25	U25
HITACHI	EX100-2	BACKHOE	7982	17600	10703	23600	U20	U25	U25
HITACHI	EX100-3	BACKHOE	7982	17600	10703	23600	U20	U25	U25
HITACHI	EX100M	BACKHOE	7302	16100	12200	26900	U20	U25	U25
HITACHI	EX100W	BACKHOE	7302	16100	10385	22900	U20	U25	U25
HITACHI	EX100WD	BACKHOE	7302	16100	10703	23600	U20	U25	U25
HITACHI	EX120	BACKHOE	7517	16576	11987	26432	U20	U25	U25
HITACHI	LX145E-2	LOADER	11420	25180	13048	28770	U20	U25	U25
HITACHI	LX170E-2	LOADER	12133	26754	13917	30688	U20	U25	U25
HITACHI	UH063	BACKHOE	6908	15232	12089	26656	U20	U25	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HITACHI	ZW140 HL	LOADER	12640	27871	10540	23241	U20	U25	U25
HITACHI	ZW150	LOADER	11010	24277	11910	26262	U20	U25	U25
HITACHI	ZW150 HL	LOADER	11240	24784	12290	27100	U20	U25	U25
HITACHI	EX110-5	BACKHOE	9116	20100	11202	24700	U20	U25	U30
HITACHI	EX120-5	BACKHOE	9116	20100	12109	26700	U20	U25	U30
HITACHI	EX135-5	BACKHOE	8503	18750	12798	28219	U20	U25	U30
HITACHI	EX135-5 W	BACKHOE	8401	18525	14498	31967	U20	U25	U30
HITACHI	EX150	BACKHOE	8617	19000	14512	32000	U20	U25	U30
HITACHI	EX160-5 LC	BACKHOE	10399	22930	15401	33960	U20	U25	U30
HITACHI	EX165-5 W	BACKHOE	9502	20953	17597	38801	U20	U25	U30
HITACHI	UH071	BACKHOE	8432	18592	15949	35168	U20	U25	U30
HITACHI	ZX110	BACKHOE	9176	20234	11398	25133	U20	U25	U30
HITACHI	ZX120	BACKHOE	9734	21463	12517	27600	U20	U25	U30
HITACHI	ZX120-3	BACKHOE	9411	20751	13597	29982	U20	U25	U30
HITACHI	ZX130	BACKHOE	10094	22257	13798	30424	U20	U25	U30
HITACHI	ZX135 US	BACKHOE	8798	19400	13805	30440	U20	U25	U30
HITACHI	ZX135-3 US	BACKHOE	9840	21698	14851	32747	U20	U25	U30
HITACHI	ZX160-6 LC	BACKHOE	8259	18210	17698	39024	U20	U25	U30
HITACHI	ZX180-6 LC	BACKHOE	8565	18885	20098	44317	U20	U25	U30
HITACHI	ZW180	LOADER	14590	32171	14710	32436	U25	U25	U30
HITACHI	UH073	BACKHOE	10667	23520	16660	36736	U25	U30	U30
HITACHI	ZW220	LOADER	18120	39955	17560	38720	U25	U30	U30
HITACHI	ZX160	BACKHOE	10400	22932	16097	35494	U25	U30	U30
HITACHI	ZX160 LC	BACKHOE	10399	22930	16097	35494	U25	U30	U30
HITACHI	EX150 WD	BACKHOE	12600	27783	15200	33516	U25	U30	U35
HITACHI	EX165-5 LC	BACKHOE	11001	24258	16897	37258	U25	U30	U35
HITACHI	EX200	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200 LC	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200-2	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200-2 LC	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200-3	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200-5	BACKHOE	13696	30200	19909	43900	U25	U30	U35
HITACHI	EX200-5 LC	BACKHOE	13696	30200	20408	45000	U25	U30	U35
HITACHI	UH081	BACKHOE	10260	22624	18794	41440	U25	U30	U35
HITACHI	UH083	BACKHOE	11276	24864	18794	41440	U25	U30	U35
HITACHI	UH101	BACKHOE	12698	28000	22857	50400	U25	U30	U35
HITACHI	ZW250	LOADER	19900	43880	19890	43858	U25	U30	U35
HITACHI	ZX130 W	BACKHOE	10094	22257	13998	30865	U25	U30	U35
HITACHI	ZX160 W	BACKHOE	10399	22930	15997	35274	U25	U30	U35
HITACHI	ZX160-3 LC	BACKHOE	10293	22697	17192	37908	U25	U30	U35
HITACHI	ZX180 LC	BACKHOE	11827	26079	18197	40124	U25	U30	U35
HITACHI	ZX180 W	BACKHOE	11826	26077	19297	42549	U25	U30	U35
HITACHI	ZX190-3 W	BACKHOE	10393	22916	20697	45636	U25	U30	U35
HITACHI	ZX200	BACKHOE	13197	29100	20590	45400	U25	U30	U35
HITACHI	ZX200 LC	BACKHOE	13795	30418	20596	45415	U25	U30	U35
HITACHI	ZX210-6 LC	BACKHOE	11623	25628	21967	48438	U25	U30	U35
HITACHI	ZX245-6 US LC	BACKHOE	11624	25630	25773	56830	U25	U30	U35
HITACHI	ZX250-6 LC	BACKHOE	11623	25628	25459	56136	U25	U30	U35
HITACHI	ZW310	LOADER	22960	50627	22400	49392	U30	U30	U35
HITACHI	UH103	BACKHOE	13003	28672	22857	50400	U30	U35	U35
HITACHI	ZX200-3 LC	BACKHOE	13197	29099	21322	47015	U30	U35	U35
HITACHI	EX215-5 LC	BACKHOE	14498	31969	21096	46517	U30	U35	U40
HITACHI	EX220 SUPER	BACKHOE	13878	30600	22494	49600	U30	U35	U40
HITACHI	EX220-3	BACKHOE	13878	30600	22494	49600	U30	U35	U40
HITACHI	EX220-3 LC	BACKHOE	13878	30600	23810	52500	U30	U35	U40
HITACHI	EX230-5	BACKHOE	17007	37500	23810	52500	U30	U35	U40
HITACHI	EX230-5 LC	BACKHOE	17007	37500	23810	52500	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HITACHI	EX270	BACKHOE	14059	31000	26667	58800	U30	U35	U40
HITACHI	EX270 LC	BACKHOE	14059	31000	26757	59000	U30	U35	U40
HITACHI	EX270-1	BACKHOE	14059	31000	26667	58800	U30	U35	U40
HITACHI	EX270-5	BACKHOE	14698	32410	27601	60860	U30	U35	U40
HITACHI	EX270-5 LC	BACKHOE	17002	37490	26898	59310	U30	U35	U40
HITACHI	EX285-5 LC	BACKHOE	17200	37927	27995	61729	U30	U35	U40
HITACHI	UH121	BACKHOE	14527	32032	26413	58240	U30	U35	U40
HITACHI	UH122 LC	BACKHOE	14527	32032	28140	62048	U30	U35	U40
HITACHI	UH123	BACKHOE	15102	33300	26712	58900	U30	U35	U40
HITACHI	UH143	BACKHOE	16965	37408	28952	63840	U30	U35	U40
HITACHI	ZW330	LOADER	25590	56426	26245	57870	U30	U35	U40
HITACHI	ZW370	LOADER	27000	59535	31290	68994	U30	U35	U40
HITACHI	ZX190-6 W	BACKHOE	12848	28330	20544	45300	U30	U35	U40
HITACHI	ZX210 LC	BACKHOE	15396	33948	20996	46297	U30	U35	U40
HITACHI	ZX210 W	BACKHOE	15395	33945	20996	46297	U30	U35	U40
HITACHI	ZX210-5	BACKHOE	16123	35552	20778	45815	U30	U35	U40
HITACHI	ZX210-5 LC	BACKHOE	16123	35552	21377	47137	U30	U35	U40
HITACHI	ZX220-3 W	BACKHOE	13197	29099	23584	52003	U30	U35	U40
HITACHI	ZX225 USLC	BACKHOE	15395	33945	23500	51818	U30	U35	U40
HITACHI	ZX225 USRLC	BACKHOE	15396	33948	22496	49604	U30	U35	U40
HITACHI	ZX225-3 USLC	BACKHOE	13197	29099	24461	53936	U30	U35	U40
HITACHI	ZX230	BACKHOE	15918	35100	24308	53600	U30	U35	U40
HITACHI	ZX230 LC	BACKHOE	17027	37545	24296	53572	U30	U35	U40
HITACHI	ZX240-3 LC	BACKHOE	17084	37670	24786	54654	U30	U35	U40
HITACHI	ZX270	BACKHOE	17007	37500	28481	62800	U30	U35	U40
HITACHI	ZX270 LC	BACKHOE	16996	37477	28495	62832	U30	U35	U40
HITACHI	ZX270-3 LC	BACKHOE	16998	37480	28764	63425	U30	U35	U40
HITACHI	ZX300-6 LC	BACKHOE	12948	28551	29444	64924	U30	U35	U40
HITACHI	ZX345-6 US LC	BACKHOE	12948	28550	35696	78710	U30	U35	U40
HITACHI	ZX350-6 LC	BACKHOE	16211	35745	35084	77360	U35	U40	U40
HITACHI	ZX380-6 LC	BACKHOE	16211	35745	37313	82276	U35	U40	U40
HITACHI	EX300	BACKHOE	18095	39900	29388	64800	U35	U40	U45
HITACHI	EX300 LC	BACKHOE	18095	39900	30884	68100	U35	U40	U45
HITACHI	EX300 LCH	BACKHOE	18095	39900	30023	66200	U35	U40	U45
HITACHI	EX300-2	BACKHOE	18095	39900	30884	68100	U35	U40	U45
HITACHI	EX300-3	BACKHOE	18095	39900	30884	68100	U35	U40	U45
HITACHI	EX300-3 LC	BACKHOE	18095	39900	30884	68100	U35	U40	U45
HITACHI	EX300H	BACKHOE	18095	39900	29297	64600	U35	U40	U45
HITACHI	EX330-5	BACKHOE	19320	42600	32494	71649	U35	U40	U45
HITACHI	EX370-5	BACKHOE	19320	42600	36393	80247	U35	U40	U45
HITACHI	UH171	BACKHOE	18489	40768	39619	87360	U35	U40	U45
HITACHI	UH171 LC	BACKHOE	18489	40768	42565	93856	U35	U40	U45
HITACHI	UH181	BACKHOE	20499	45200	42494	93700	U35	U40	U45
HITACHI	ZX250-3 LCN	BACKHOE	18353	40468	24696	54454	U35	U40	U45
HITACHI	ZX280-3 LCN	BACKHOE	19678	43390	28195	62170	U35	U40	U45
HITACHI	ZX290-5 LC	BACKHOE	20697	45636	28695	63273	U35	U40	U45
HITACHI	ZX330	BACKHOE	21088	46500	33333	73500	U35	U40	U45
HITACHI	ZX330 LC	BACKHOE	21088	46500	33333	73500	U35	U40	U45
HITACHI	ZX370	BACKHOE	21088	46500	37234	82100	U35	U40	U45
HITACHI	ZX470-6 LC	BACKHOE	20493	45187	50251	110804	U35	U40	U45
HITACHI	EX330-5 LC	BACKHOE	24218	53400	32494	71649	U40	U45	U55
HITACHI	EX370-5 LC	BACKHOE	24218	53400	36281	80000	U40	U45	U55
HITACHI	EX400	BACKHOE	23810	52500	43991	97000	U40	U45	U55
HITACHI	EX400 LC	BACKHOE	23401	51600	44082	97200	U40	U45	U55
HITACHI	EX400 LC SUPER	BACKHOE	23401	51600	42993	94800	U40	U45	U55
HITACHI	EX400 LCH SUPER	BACKHOE	23810	52500	43991	97000	U40	U45	U55
HITACHI	EX400 SUPER	BACKHOE	23401	51600	40998	90400	U40	U45	U55

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HITACHI	EX400-3	BACKHOE	23810	52500	43991	97000	U40	U45	U55
HITACHI	EX400-3 LC	BACKHOE	23810	52500	43991	97000	U40	U45	U55
HITACHI	EX400H	BACKHOE	23810	52500	42086	92800	U40	U45	U55
HITACHI	EX400H SUPER	BACKHOE	23810	52500	42086	92800	U40	U45	U55
HITACHI	EX450-5	BACKHOE	22902	50500	43084	95000	U40	U45	U55
HITACHI	EX450-5 LC	BACKHOE	25397	56000	45714	100800	U40	U45	U55
HITACHI	EX455-5 BEH	BACKHOE	24572	54182	46992	103617	U40	U45	U55
HITACHI	EX455-5 LCH	BACKHOE	24572	54182	46992	103617	U40	U45	U55
HITACHI	EX550	BACKHOE	25578	56400	56780	125200	U40	U45	U55
HITACHI	EX550 LC	BACKHOE	25488	56200	55692	122800	U40	U45	U55
HITACHI	UH20	BACKHOE	23365	51520	51810	114240	U40	U45	U55
HITACHI	ZW550	LOADER	45800	100989	46210	101893	U40	U45	U55
HITACHI	ZX350-3 LC	BACKHOE	21868	48220	35043	77269	U40	U45	U55
HITACHI	ZX350-3 LCN	BACKHOE	23859	52608	34094	75178	U40	U45	U55
HITACHI	ZX380-5 LC	BACKHOE	25081	55303	37058	81712	U40	U45	U55
HITACHI	ZX450	BACKHOE	23810	52500	46213	101900	U40	U45	U55
HITACHI	ZX450 LC	BACKHOE	23810	52500	46213	101900	U40	U45	U55
HITACHI	ZX670-6 LC	BACKHOE	23551	51931	69888	154103	U40	U45	U55
HITACHI	EX270	HYD FACE SHOVEL	20000	44100	27574	60800	U55	U55	U55
HITACHI	EX270 LC	HYD FACE SHOVEL	17778	39200	27483	60600	U55	U55	U55
HITACHI	EX400H SUPER	HYD FACE SHOVEL	27619	60900	42812	94400	U55	U55	U55
HITACHI	EX400H SUPER LC	HYD FACE SHOVEL	27619	60900	42404	93500	U55	U55	U55
HITACHI	EX450-5	HYD FACE SHOVEL	27619	60900	43583	96100	U55	U55	U55
HITACHI	EX450-5 LC	HYD FACE SHOVEL	27619	60900	43583	96100	U55	U55	U55
HITACHI	EX550 LCH	BACKHOE	26621	58700	55510	122400	U45	U55	U55
HITACHI	EX550H	BACKHOE	26621	58700	54694	120600	U45	U55	U55
HITACHI	ZX450-3 LC	BACKHOE	25901	57111	48154	106180	U45	U55	U55
HITACHI	ZX600 LC	BACKHOE	26415	58245	58590	129190	U45	U55	U55
HITACHI	EX500-5 LC	BACKHOE	28549	62950	54900	121055	U45	U55	U60
HITACHI	EX550 BE	BACKHOE	28707	63300	56508	124600	U45	U55	U60
HITACHI	EX550 LC BE	BACKHOE	28707	63300	57506	126800	U45	U55	U60
HITACHI	EX550-5	BACKHOE	28549	62950	54000	119070	U45	U55	U60
HITACHI	EX550-5 LC	BACKHOE	28549	62950	54422	120000	U45	U55	U60
HITACHI	EX550-5 LC BE	BACKHOE	31913	70369	55800	123039	U45	U55	U60
HITACHI	EX550-5 ME	BACKHOE	31913	70369	54900	121055	U45	U55	U60
HITACHI	EX600 LCH	BACKHOE	29388	64800	56372	124300	U45	U55	U60
HITACHI	EX600-5 BE	BACKHOE	31913	70369	55600	122598	U45	U55	U60
HITACHI	EX600-5 LCH	BACKHOE	29364	64748	54000	119070	U45	U55	U60
HITACHI	EX600-5 LCHM	BACKHOE	31913	70369	56400	124362	U45	U55	U60
HITACHI	EX600H	BACKHOE	29388	64800	55601	122600	U45	U55	U60
HITACHI	EX600H-5H	BACKHOE	29364	64748	55600	122598	U45	U55	U60
HITACHI	EX700	BACKHOE	29977	66100	68027	150000	U45	U55	U60
HITACHI	EX700H	BACKHOE	27982	61700	66667	147000	U45	U55	U60
HITACHI	EX800H-5	BACKHOE	29466	64973	74512	164300	U45	U55	U60
HITACHI	UH261	BACKHOE	27982	61700	59864	132000	U45	U55	U60
HITACHI	UH30	BACKHOE	28851	63616	76190	168000	U45	U55	U60
HITACHI	ZX470-3 LCH	BACKHOE	29364	64748	48092	106042	U45	U55	U60
HITACHI	ZX520-3 LCH	BACKHOE	29364	64748	48100	106061	U45	U55	U60
HITACHI	ZX600	BACKHOE	29595	65258	58590	129190	U45	U55	U60
HITACHI	ZX800	BACKHOE	29301	64608	75601	166700	U45	U55	U60
HITACHI	ZX870-6 LC	BACKHOE	28547	62946	85585	188716	U45	U55	U60
HITACHI	EX1000	HYD FACE SHOVEL	54039	119155	93483	206130	U60	U60	--
HITACHI	EX1100-3	HYD FACE SHOVEL	56417	124400	104989	231500	U60	U60	--
HITACHI	EX700	HYD FACE SHOVEL	43948	96906	72500	159863	U60	U60	U60
HITACHI	EX1100-3	BACKHOE	40000	88200	102993	227100	U55	U60	--
HITACHI	EX750-5	BACKHOE	43991	97000	74785	164900	U55	U60	--
HITACHI	ZX850-3 LC	BACKHOE	41902	92393	84298	185876	U55	U60	--

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HITACHI	ZX870-3 LCH	BACKHOE	41902	92393	84298	185876	U55	U60	--
HITACHI	EX1100	BACKHOE	45215	99700	104989	231500	U55	U60	--
HITACHI	EX1100-3 BE	BACKHOE	45986	101400	103991	229300	U55	U60	--
HITACHI	EX1200-5	BACKHOE	42585	93900	109977	242500	U55	U60	--
HITACHI	EX1200-6	BACKHOE	49142	108358	112980	249122	U55	U60	--
HITACHI	EX1200-7B BE	BACKHOE	44693	98547	119980	264555	U55	U60	--
HITACHI	EX1000	BACKHOE	36009	79400	92971	205000	U55	U60	U60
HITACHI	EX1000-1	BACKHOE	36009	79400	91610	202000	U55	U60	U60
HITACHI	EX700 BE	BACKHOE	36009	79400	69388	153000	U55	U60	U60
HITACHI	EX750-5 BE	BACKHOE	37215	82059	75011	165400	U55	U60	U60
HITACHI	EX800H-5 BE	BACKHOE	37215	82059	74785	164900	U55	U60	U60
HITACHI	UH501	BACKHOE	36009	79400	89796	198000	U55	U60	U60
HITACHI	ZX650-3 LC	BACKHOE	33846	74630	69021	152192	U55	U60	U60
HITACHI	ZX670-3 LCH	BACKHOE	33850	74640	67488	148812	U55	U60	U60
HITACHI	EX08-2B	BACKHOE	979	2158	820	1808	V13	V13	V13
HITACHI	EX15-2	BACKHOE	1264	2788	1447	3191	V13	V13	V13
HITACHI	EX17U	BACKHOE	1510	3329	1728	3810	V13	V13	V13
HITACHI	EX22-2	BACKHOE	1998	4406	2380	5248	V13	V13	V13
HITACHI	EX27U	BACKHOE	2300	5071	2930	6460	V13	V13	V13
HITACHI	EX30-2	BACKHOE	2100	4631	2880	6350	V13	V13	V13
HITACHI	EX35-2	BACKHOE	2437	5373	3230	7122	V13	V13	V13
HITACHI	EX35U	BACKHOE	2800	6173	3529	7782	V13	V13	V13
HITACHI	ZW20	LOADER	2100	4631	1945	4289	V13	V13	V13
HITACHI	ZW30	LOADER	2990	6593	2785	6141	V13	V13	V13
HITACHI	ZW40	LOADER	3650	8048	3295	7266	V13	V13	V13
HITACHI	ZW50	LOADER	3400	7497	3605	7949	V13	V13	V13
HITACHI	ZX16	BACKHOE	1376	3035	1670	3682	V13	V13	V13
HITACHI	ZX17-2 U	BACKHOE	1631	3597	1893	4173	V13	V13	V13
HITACHI	ZX18	BACKHOE	1376	3035	1790	3946	V13	V13	V13
HITACHI	ZX25	BACKHOE	2243	4946	2530	5578	V13	V13	V13
HITACHI	ZX27-2 U	BACKHOE	2265	4994	2899	6393	V13	V13	V13
HITACHI	ZX27-3 U	BACKHOE	2265	4994	3225	7111	V13	V13	V13
HITACHI	ZX27U	BACKHOE	2300	5071	2940	6482	V13	V13	V13
HITACHI	ZX30	BACKHOE	2284	5036	2960	6526	V13	V13	V13
HITACHI	ZX30-2 U	BACKHOE	2804	6183	3410	7518	V13	V13	V13
HITACHI	ZX35	BACKHOE	2641	5823	3309	7297	V13	V13	V13
HITACHI	ZX35-2 U	BACKHOE	2804	6182	3479	7672	V13	V13	V13
HITACHI	ZX35-3 U	BACKHOE	2804	6182	3519	7760	V13	V13	V13
HITACHI	EX40-2	BACKHOE	3293	7262	4150	9151	V13	V13	V17
HITACHI	EX45-2	BACKHOE	3732	8228	4450	9812	V13	V13	V17
HITACHI	ZW80	LOADER	4750	10474	5249	11575	V13	V13	V17
HITACHI	ZW80 HL	LOADER	5625	12403	5245	11565	V13	V13	V17
HITACHI	ZW90	LOADER	5230	11532	6155	13572	V13	V13	V17
HITACHI	ZX35 U	BACKHOE	2800	6173	3519	7760	V13	V13	V17
HITACHI	ZX40	BACKHOE	3283	7239	4229	9326	V13	V13	V17
HITACHI	ZX40-2 U	BACKHOE	3273	7217	4759	10494	V13	V13	V17
HITACHI	ZX50	BACKHOE	3732	8228	4509	9943	V13	V13	V17
HITACHI	ZX75-5 US	BACKHOE	2959	6524	7881	17377	V13	V13	V17
HITACHI	ZX85-5 USB	BACKHOE	3130	6902	8676	19130	V13	V13	V17
HITACHI	EX60	BACKHOE	4588	10117	6299	13889	V13	V17	U20
HITACHI	EX60 HD	BACKHOE	4802	10589	6780	14950	V13	V17	U20
HITACHI	EX60 SUPER	BACKHOE	4792	10567	7099	15653	V13	V17	U20
HITACHI	EX60 WD	BACKHOE	4588	10117	6699	14771	V13	V17	U20
HITACHI	EX60 WD SUPER	BACKHOE	4792	10567	7799	17196	V13	V17	U20
HITACHI	EX60-3	BACKHOE	4802	10589	6440	14200	V13	V17	U20
HITACHI	EX80-5	BACKHOE	4717	10400	6399	14109	V13	V17	U20
HITACHI	ZX60-3 USB	BACKHOE	4180	9217	6540	14420	V13	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HITACHI	ZX75 US	BACKHOE	5088	11220	8034	17714	V13	V17	U20
HITACHI	ZX80	BACKHOE	5088	11220	7213	15905	V13	V17	U20
HITACHI	EX50U	BACKHOE	3799	8377	4659	10274	V13	V17	V17
HITACHI	ZW90 HL	LOADER	5660	12480	6255	13792	V13	V17	V17
HITACHI	ZX50 U	BACKHOE	3800	8378	4649	10252	V13	V17	V17
HITACHI	ZX50-2 U	BACKHOE	3752	8273	4729	10428	V13	V17	V17
HITACHI	ZX50-3 U	BACKHOE	3752	8273	4903	10811	V13	V17	V17
HITACHI	EX1100BE	BACKHOE	54286	119700	105986	233700	U60	--	--
HITACHI	EX1200	BACKHOE	50975	112400	107982	238100	U60	--	--
HITACHI	EX1200-5 BE	BACKHOE	50975	112400	110975	244700	U60	--	--
HITACHI	EX1200-5D	BACKHOE	56100	123700	112880	248900	U60	--	--
HITACHI	EX1200-6 BE	BACKHOE	52191	115081	111980	246917	U60	--	--
HITACHI	EX1200BE	BACKHOE	56078	123651	108981	240304	U60	--	--
HITACHI	UH801	BACKHOE	49991	110230	156673	345464	U60	--	--
HYUNDAI	HL17	LOADER	10808	23831	11551	25470	V17	U20	U25
HYUNDAI	HL730-3	LOADER	8898	19620	8998	19840	V17	U20	U25
HYUNDAI	HL730-3 TM	LOADER	8848	19510	9596	21160	V17	U20	U25
HYUNDAI	HL730-7	LOADER	9587	21140	9705	21400	V17	U20	U25
HYUNDAI	HL730-7 TM	LOADER	10086	22240	10000	22050	V17	U20	U25
HYUNDAI	HL730-7 XTD	LOADER	9519	20990	9900	21830	V17	U20	U25
HYUNDAI	HL730-7A	LOADER	9587	21140	9705	21400	V17	U20	U25
HYUNDAI	HL730-7A TM	LOADER	10086	22240	10000	22050	V17	U20	U25
HYUNDAI	HL730-7A XTD	LOADER	9519	20990	9900	21830	V17	U20	U25
HYUNDAI	HL730-9	LOADER	9147	20170	9796	21600	V17	U20	U25
HYUNDAI	HL730-9 TM	LOADER	9959	21960	10204	22500	V17	U20	U25
HYUNDAI	HL730-9 XTD	LOADER	9070	20000	10000	22050	V17	U20	U25
HYUNDAI	HL740-3	LOADER	10522	23200	11098	24470	V17	U20	U25
HYUNDAI	HL740-3 TM	LOADER	9147	20170	11646	25680	V17	U20	U25
HYUNDAI	HL740-7 TM	LOADER	10649	23480	12050	26570	V17	U20	U25
HYUNDAI	HL740-7A TM	LOADER	10649	23480	12100	26680	V17	U20	U25
HYUNDAI	HL740-9 TM	LOADER	10830	23880	12599	27780	V17	U20	U25
HYUNDAI	R95-3 W	BACKHOE	6395	14100	9596	21160	V17	U20	U25
HYUNDAI	HL740-7	LOADER	11878	26190	11497	25350	U20	U25	U25
HYUNDAI	HL740-7 XTD	LOADER	11728	25860	11846	26120	U20	U25	U25
HYUNDAI	HL740-7A	LOADER	11878	26190	11546	25460	U20	U25	U25
HYUNDAI	HL740-7A XTD	LOADER	11728	25860	11846	26120	U20	U25	U25
HYUNDAI	HL740-9	LOADER	11247	24800	12000	26460	U20	U25	U25
HYUNDAI	HL740-9 XTD	LOADER	11088	24450	12290	27100	U20	U25	U25
HYUNDAI	R120 W	BACKHOE	7247	15980	11497	25350	U20	U25	U25
HYUNDAI	R130 LC	BACKHOE	7256	16000	13605	30000	U20	U25	U25
HYUNDAI	R130 W	BACKHOE	7247	15980	11937	26320	U20	U25	U25
HYUNDAI	R210-3 LC LR	BACKHOE	7238	15960	23646	52140	U20	U25	U25
HYUNDAI	R290-3 LC LR	BACKHOE	6998	15430	30494	67240	U20	U25	U25
HYUNDAI	R290-7 LC LR	BACKHOE	7098	15650	32853	72440	U20	U25	U25
HYUNDAI	R290-7A LC LR	BACKHOE	7098	15650	32853	72440	U20	U25	U25
HYUNDAI	HL750	LOADER	12948	28550	12798	28220	U20	U25	U30
HYUNDAI	HL750 TM	LOADER	13687	30180	13297	29320	U20	U25	U30
HYUNDAI	HL757-7	LOADER	12717	28040	13796	30420	U20	U25	U30
HYUNDAI	HL757-7 TM	LOADER	13016	28700	14299	31530	U20	U25	U30
HYUNDAI	HL757-7 XTD	LOADER	12558	27690	14299	31530	U20	U25	U30
HYUNDAI	HL757-7A	LOADER	12717	28040	14499	31970	U20	U25	U30
HYUNDAI	HL757-7A TM	LOADER	13016	28700	14998	33070	U20	U25	U30
HYUNDAI	HL757-7A XTD	LOADER	12277	27070	14998	33070	U20	U25	U30
HYUNDAI	HL757-9	LOADER	12526	27620	14512	32000	U20	U25	U30
HYUNDAI	HL757-9 TM	LOADER	12798	28220	14998	33070	U20	U25	U30
HYUNDAI	HL757-9 XTD	LOADER	12417	27380	14966	33000	U20	U25	U30
HYUNDAI	R110-7	BACKHOE	8726	19240	11796	26010	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HYUNDAI	R110-7 D	BACKHOE	8726	19240	12499	27560	U20	U25	U30
HYUNDAI	R110-7A	BACKHOE	8726	19240	11796	26010	U20	U25	U30
HYUNDAI	R110-7A D	BACKHOE	8726	19240	12499	27560	U20	U25	U30
HYUNDAI	R130-3 LC	BACKHOE	8200	18080	13787	30400	U20	U25	U30
HYUNDAI	R130-3 LCM	BACKHOE	8617	19000	14512	32000	U20	U25	U30
HYUNDAI	R130-3 W	BACKHOE	8971	19780	12898	28440	U20	U25	U30
HYUNDAI	R140-7 LC	BACKHOE	9270	20440	14209	31330	U20	U25	U30
HYUNDAI	R140-7 LCD	BACKHOE	9270	20440	14798	32630	U20	U25	U30
HYUNDAI	R140-7 LCM	BACKHOE	9270	20440	16875	37210	U20	U25	U30
HYUNDAI	R140-7 W	BACKHOE	9270	20440	14898	32850	U20	U25	U30
HYUNDAI	R140-7A LC	BACKHOE	9800	21610	13977	30820	U20	U25	U30
HYUNDAI	R140-7A LCM	BACKHOE	9270	20440	16875	37210	U20	U25	U30
HYUNDAI	R140-7A W	BACKHOE	9270	20440	14898	32850	U20	U25	U30
HYUNDAI	R145-9 CR	BACKHOE	9660	21300	16032	35350	U20	U25	U30
HYUNDAI	R160-3 LC	BACKHOE	10059	22180	16599	36600	U20	U25	U30
HYUNDAI	HL760-7 XTD	LOADER	15646	34500	18698	41230	U25	U25	U30
HYUNDAI	HL760-7A XTD	LOADER	15646	34500	18698	41230	U25	U25	U30
HYUNDAI	HL760-9 XTD	LOADER	15819	34880	18698	41230	U25	U25	U30
HYUNDAI	HL25	LOADER	17468	38516	16594	36590	U25	U30	U30
HYUNDAI	HL760	LOADER	17107	37720	17896	39460	U25	U30	U30
HYUNDAI	HL760-7	LOADER	15946	35160	17896	39460	U25	U30	U30
HYUNDAI	HL760-7A	LOADER	15946	35160	17896	39460	U25	U30	U30
HYUNDAI	HL760-9	LOADER	16227	35780	17896	39460	U25	U30	U30
HYUNDAI	R140-9 LC	BACKHOE	9660	21300	16875	37210	U25	U30	U30
HYUNDAI	R140-9 W	BACKHOE	9660	21300	15497	34170	U25	U30	U30
HYUNDAI	HL770-7	LOADER	20757	45770	22812	50300	U25	U30	U35
HYUNDAI	HL770-7 XTD	LOADER	20426	45040	23546	51920	U25	U30	U35
HYUNDAI	HL770-7A	LOADER	20757	45770	23098	50930	U25	U30	U35
HYUNDAI	HL770-7A XTD	LOADER	20426	45040	23846	52580	U25	U30	U35
HYUNDAI	HX130LCR	BACKHOE	11310	24938	12698	27999	U25	U30	U35
HYUNDAI	HX140L	BACKHOE	11288	24890	17098	37700	U25	U30	U35
HYUNDAI	HX140LC	BACKHOE	11288	24890	16948	37370	U25	U30	U35
HYUNDAI	HX145LCR	BACKHOE	11288	24890	16168	35650	U25	U30	U35
HYUNDAI	R160-7 LC	BACKHOE	12077	26630	17397	38360	U25	U30	U35
HYUNDAI	R160-7 LCD	BACKHOE	12077	26630	18399	40570	U25	U30	U35
HYUNDAI	R160-7A LC	BACKHOE	12077	26630	17397	38360	U25	U30	U35
HYUNDAI	R160-7A LCD	BACKHOE	12077	26630	17397	38360	U25	U30	U35
HYUNDAI	R160-9 LC	BACKHOE	11941	26330	19048	42000	U25	U30	U35
HYUNDAI	R170-3 W	BACKHOE	11728	25860	16476	36330	U25	U30	U35
HYUNDAI	R170-7 W	BACKHOE	12077	26630	17968	39620	U25	U30	U35
HYUNDAI	R170-7A W	BACKHOE	12077	26630	17968	39620	U25	U30	U35
HYUNDAI	R170-9 W	BACKHOE	11941	26330	19066	42040	U25	U30	U35
HYUNDAI	R180-3 LC	BACKHOE	11728	25860	17796	39240	U25	U30	U35
HYUNDAI	R180-7 LC	BACKHOE	12077	26630	18195	40120	U25	U30	U35
HYUNDAI	R180-7 LCD	BACKHOE	12077	26630	19256	42460	U25	U30	U35
HYUNDAI	R180-7A LC	BACKHOE	12077	26630	18195	40120	U25	U30	U35
HYUNDAI	R180-9 LC	BACKHOE	11941	26330	20095	44310	U25	U30	U35
HYUNDAI	R200	BACKHOE	11297	24910	20544	45300	U25	U30	U35
HYUNDAI	R200 LC	BACKHOE	11297	24910	20435	45060	U25	U30	U35
HYUNDAI	R200 W	BACKHOE	11297	24910	18791	41435	U25	U30	U35
HYUNDAI	R200-2 W	BACKHOE	11297	24910	18794	41440	U25	U30	U35
HYUNDAI	R200-3 W	BACKHOE	12798	28220	20045	44200	U25	U30	U35
HYUNDAI	R210-3	BACKHOE	12798	28220	20358	44890	U25	U30	U35
HYUNDAI	R210-3 LC	BACKHOE	12798	28220	21016	46340	U25	U30	U35
HYUNDAI	HL35	LOADER	24798	54679	20925	46140	U30	U30	U35
HYUNDAI	HL770	LOADER	22766	50200	22494	49600	U30	U30	U35
HYUNDAI	HL770-9	LOADER	21737	47930	23098	50930	U30	U30	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HYUNDAI	HL770-9 XTD	LOADER	21388	47160	23846	52580	U30	U30	U35
HYUNDAI	HL780-9	LOADER	23746	52360	29977	66100	U30	U30	U35
HYUNDAI	HL780-9 XTD	LOADER	23125	50990	30794	67900	U30	U30	U35
HYUNDAI	HL780-3	LOADER	24204	53370	29293	64590	U30	U35	U40
HYUNDAI	HL780-3A	LOADER	24816	54720	29293	64590	U30	U35	U40
HYUNDAI	HL780-7A	LOADER	24816	54720	29297	64600	U30	U35	U40
HYUNDAI	HL780-7A XTD	LOADER	23878	52650	29977	66100	U30	U35	U40
HYUNDAI	HX210AL	BACKHOE	16825	37100	23166	51080	U30	U35	U40
HYUNDAI	HX220L	BACKHOE	16907	37280	24694	54450	U30	U35	U40
HYUNDAI	HX235ALCR	BACKHOE	16825	37100	23166	51080	U30	U35	U40
HYUNDAI	R200-7 W	BACKHOE	14834	32710	20499	45200	U30	U35	U40
HYUNDAI	R200-7A W	BACKHOE	14834	32710	20590	45400	U30	U35	U40
HYUNDAI	R210-7 LC	BACKHOE	14834	32710	22558	49740	U30	U35	U40
HYUNDAI	R210-7 LCHC	BACKHOE	14834	32710	26159	57680	U30	U35	U40
HYUNDAI	R210-7 NLC	BACKHOE	14834	32710	21995	48500	U30	U35	U40
HYUNDAI	R210-7A LC	BACKHOE	14834	32710	22558	49740	U30	U35	U40
HYUNDAI	R210-7A LCHC	BACKHOE	14834	32710	26159	57680	U30	U35	U40
HYUNDAI	R210-7H	BACKHOE	14800	32634	20800	45864	U30	U35	U40
HYUNDAI	R210-7H LC	BACKHOE	14800	32634	21500	47408	U30	U35	U40
HYUNDAI	R210-9 LC	BACKHOE	13297	29320	24104	53150	U30	U35	U40
HYUNDAI	R210-9 LCHW	BACKHOE	13297	29320	24531	54090	U30	U35	U40
HYUNDAI	R250-3	BACKHOE	16961	37400	23583	52000	U30	U35	U40
HYUNDAI	R250-3 LC	BACKHOE	16961	37400	24308	53600	U30	U35	U40
HYUNDAI	R250-3 NLC	BACKHOE	16925	37320	24000	52920	U30	U35	U40
HYUNDAI	R250-7 LC	BACKHOE	17451	38480	26077	57500	U30	U35	U40
HYUNDAI	R250-7 LCHC	BACKHOE	17451	38480	28617	63100	U30	U35	U40
HYUNDAI	R250-7 NLC	BACKHOE	17451	38480	25079	55300	U30	U35	U40
HYUNDAI	R250-7A LC	BACKHOE	17451	38480	26077	57500	U30	U35	U40
HYUNDAI	R250-7A LCHC	BACKHOE	17451	38480	28617	63100	U30	U35	U40
HYUNDAI	R250-9 LC	BACKHOE	15696	34610	26077	57500	U30	U35	U40
HYUNDAI	R250-9 LCHW	BACKHOE	15696	34610	28395	62610	U30	U35	U40
HYUNDAI	R250-9 NLC	BACKHOE	15696	34610	26077	57500	U30	U35	U40
HYUNDAI	R280	BACKHOE	15995	35270	28122	62010	U30	U35	U40
HYUNDAI	R280 LC	BACKHOE	15995	35270	28122	62010	U30	U35	U40
HYUNDAI	R290	BACKHOE	16697	36817	28594	63050	U30	U35	U40
HYUNDAI	R290 LC	BACKHOE	16697	36817	28594	63050	U30	U35	U40
HYUNDAI	R290-3	BACKHOE	16698	36820	27574	60800	U30	U35	U40
HYUNDAI	R290-3 LC	BACKHOE	16689	36800	29116	64200	U30	U35	U40
HYUNDAI	R290-3 NLC	BACKHOE	16689	36800	29025	64000	U30	U35	U40
HYUNDAI	HX260AL	BACKHOE	21007	46320	27905	61530	U35	U40	U45
HYUNDAI	HX300L	BACKHOE	21274	46910	34534	76148	U35	U40	U45
HYUNDAI	HX300SL	BACKHOE	21265	46890	33433	73720	U35	U40	U45
HYUNDAI	R290-7 LC	BACKHOE	18762	41370	29297	64600	U35	U40	U45
HYUNDAI	R290-7 LCHC	BACKHOE	18762	41370	32136	70860	U35	U40	U45
HYUNDAI	R290-7 NLC	BACKHOE	18762	41370	29093	64150	U35	U40	U45
HYUNDAI	R290-7A LC	BACKHOE	18762	41370	29297	64600	U35	U40	U45
HYUNDAI	R290-7A LCHC	BACKHOE	18762	41370	33306	73440	U35	U40	U45
HYUNDAI	R290-7A NLC	BACKHOE	18762	41370	31034	68430	U35	U40	U45
HYUNDAI	R290-9 LC	BACKHOE	16998	37480	33293	73410	U35	U40	U45
HYUNDAI	R290-9 LCHW	BACKHOE	16998	37480	33293	73410	U35	U40	U45
HYUNDAI	R305-7 LC	BACKHOE	18700	41234	29400	64827	U35	U40	U45
HYUNDAI	R320 LC	BACKHOE	17696	39020	31596	69670	U35	U40	U45
HYUNDAI	R320-3	BACKHOE	17696	39020	30145	66470	U35	U40	U45
HYUNDAI	R320-3 LC	BACKHOE	17696	39020	31193	68780	U35	U40	U45
HYUNDAI	R320-3 NLC	BACKHOE	17696	39020	30993	68340	U35	U40	U45
HYUNDAI	R320-7 LC	BACKHOE	19741	43530	33605	74100	U35	U40	U45
HYUNDAI	R320-7 LCHC	BACKHOE	19741	43530	35873	79100	U35	U40	U45

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HYUNDAI	R320-7 NLC	BACKHOE	19741	43530	31973	70500	U35	U40	U45
HYUNDAI	R320-7A LC	BACKHOE	19741	43530	33605	74100	U35	U40	U45
HYUNDAI	R320-7A LCHC	BACKHOE	19741	43530	35692	78700	U35	U40	U45
HYUNDAI	R320-7A NLC	BACKHOE	19741	43530	31973	70500	U35	U40	U45
HYUNDAI	R320-9 LC	BACKHOE	20952	46200	36993	81570	U35	U40	U45
HYUNDAI	R350	BACKHOE	19048	42000	34014	75000	U35	U40	U45
HYUNDAI	R360-3	BACKHOE	21878	48240	34993	77160	U35	U40	U45
HYUNDAI	R360-3 LC	BACKHOE	21905	48300	36009	79400	U35	U40	U45
HYUNDAI	HX300AL	BACKHOE	21265	46890	34984	77140	U40	U45	U55
HYUNDAI	HX330SL	BACKHOE	23887	52670	33946	74850	U40	U45	U55
HYUNDAI	R360-7 LC	BACKHOE	22358	49300	37415	82500	U40	U45	U55
HYUNDAI	R360-7A LC	BACKHOE	22358	49300	37415	82500	U40	U45	U55
HYUNDAI	R380-9 LC	BACKHOE	22358	49300	39542	87190	U40	U45	U55
HYUNDAI	R420	BACKHOE	22585	49800	43234	95330	U40	U45	U55
HYUNDAI	R420 LC	BACKHOE	20895	46074	43084	95000	U40	U45	U55
HYUNDAI	R450 LC	BACKHOE	21315	47000	43084	95000	U40	U45	U55
HYUNDAI	R450-3	BACKHOE	20898	46080	43392	95680	U40	U45	U55
HYUNDAI	R450-3 LC	BACKHOE	22494	49600	44295	97670	U40	U45	U55
HYUNDAI	R450-7	BACKHOE	24871	54840	43673	96300	U40	U45	U55
HYUNDAI	R450-7 LC	BACKHOE	24871	54840	46485	102500	U40	U45	U55
HYUNDAI	R450-7A	BACKHOE	24871	54840	43810	96600	U40	U45	U55
HYUNDAI	R450-7A LC	BACKHOE	24871	54840	46803	103200	U40	U45	U55
HYUNDAI	R480-9 LC	BACKHOE	24757	54590	48902	107830	U40	U45	U55
HYUNDAI	R450-3 LC ME	BACKHOE	29415	64860	43991	97000	U45	U55	U55
HYUNDAI	R500-7 LC	BACKHOE	28141	62050	49841	109900	U45	U55	U55
HYUNDAI	R500-7A LC	BACKHOE	28141	62050	49841	109900	U45	U55	U55
HYUNDAI	R520-9 LC	BACKHOE	28141	62050	52073	114820	U45	U55	U60
HYUNDAI	R800-7A LC	BACKHOE	43193	95240	83773	184720	U55	U60	--
HYUNDAI	HSL1200T	SKID-STEER	3628	8000	3628	8000	V13	V13	V13
HYUNDAI	HSL1500T	SKID-STEER	3707	8175	3707	8175	V13	V13	V13
HYUNDAI	HSL215T	SKID-STEER	794	1750	794	1750	V13	V13	V13
HYUNDAI	HSL240T	SKID-STEER	998	2200	998	2200	V13	V13	V13
HYUNDAI	HSL275T	SKID-STEER	1066	2350	1066	2350	V13	V13	V13
HYUNDAI	HSL400T	SKID-STEER	1361	3000	1361	3000	V13	V13	V13
HYUNDAI	HSL500T	SKID-STEER	1678	3700	1678	3700	V13	V13	V13
HYUNDAI	HSL600T	SKID-STEER	2426	5350	2426	5350	V13	V13	V13
HYUNDAI	HSL610	SKID-STEER	610	1345	2381	5250	V13	V13	V13
HYUNDAI	HSL650-7	SKID-STEER	2624	5787	2624	5787	V13	V13	V13
HYUNDAI	HSL680T	SKID-STEER	2526	5570	2526	5570	V13	V13	V13
HYUNDAI	HSL800T	SKID-STEER	3175	7000	3175	7000	V13	V13	V13
HYUNDAI	HSL810	SKID-STEER	812	1790	3279	7230	V13	V13	V13
HYUNDAI	HSL850-7	SKID-STEER	3289	7253	3289	7253	V13	V13	V13
HYUNDAI	HSL960T	SKID-STEER	3265	7200	3265	7200	V13	V13	V13
HYUNDAI	R15-7	BACKHOE	1469	3240	1569	3460	V13	V13	V13
HYUNDAI	R16-7	BACKHOE	1469	3240	1520	3351	V13	V13	V13
HYUNDAI	R22-7	BACKHOE	1660	3660	2200	4850	V13	V13	V13
HYUNDAI	R28-7	BACKHOE	2608	5750	2748	6060	V13	V13	V13
HYUNDAI	R35-7	BACKHOE	2839	6260	3329	7340	V13	V13	V13
HYUNDAI	R35Z-7	BACKHOE	3197	7050	3651	8050	V13	V13	V17
HYUNDAI	R35Z-7A	BACKHOE	3197	7050	3651	8050	V13	V13	V17
HYUNDAI	R36-7 N	BACKHOE	3070	6770	3620	7981	V13	V13	V17
HYUNDAI	R55-3	BACKHOE	3270	7210	5401	11910	V13	V13	V17
HYUNDAI	R55-3 W	BACKHOE	3270	7210	5138	11330	V13	V13	V17
HYUNDAI	HL720-3	LOADER	7451	16430	7701	16980	V13	V17	U20
HYUNDAI	R55-7	BACKHOE	4331	9550	5701	12570	V13	V17	U20
HYUNDAI	R75-7	BACKHOE	5410	11930	7429	16380	V13	V17	U20
HYUNDAI	R80-7	BACKHOE	4499	9920	7800	17200	V13	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
HYUNDAI	R80-7A	BACKHOE	4499	9920	7800	17200	V13	V17	U20
HYUNDAI	R55-7 W	BACKHOE	3850	8490	5451	12020	V13	V17	V17
HYUNDAI	R55-7A	BACKHOE	3850	8490	5451	12020	V13	V17	V17
HYUNDAI	R55-7A W	BACKHOE	3850	8490	5451	12020	V13	V17	V17
HYUNDAI	R55-9	BACKHOE	3850	8490	5651	12460	V13	V17	V17
HYUNDAI	R55-9 W	BACKHOE	3850	8490	5651	12460	V13	V17	V17
HYUNDAI	HL720-3 XTD	LOADER	7519	16580	7751	17090	V17	V17	U20
HYUNDAI	R1200LC-9	BACKHOE	56934	125540	118200	260630	U60	--	--
JCB	1700B	TLB	6124	13503	7120	15700	U20	U20	U20
JCB	214	TLB	5442	12000	7113	15684	U20	U20	U20
JCB	214 2WD	TLB	5453	12023	6827	15053	U20	U20	U20
JCB	214 4WD	TLB	5453	12023	7002	15439	U20	U20	U20
JCB	214 4WD S3	TLB	5442	12000	6927	15274	U20	U20	U20
JCB	214S 4WS	TLB	5453	12023	7459	16446	U20	U20	U20
JCB	214S 4WS S3	TLB	5442	12000	7459	16446	U20	U20	U20
JCB	215	TLB	5676	12516	7419	16359	U20	U20	U20
JCB	215 2WD	TLB	6122	13500	7551	16651	U20	U20	U20
JCB	215 2WD S3	TLB	5556	12250	7601	16761	U20	U20	U20
JCB	215 4WD	TLB	5533	12200	7727	17037	U20	U20	U20
JCB	215 4WD S3	TLB	5556	12250	7976	17588	U20	U20	U20
JCB	215E 2WD	TLB	5676	12516	7053	15552	U20	U20	U20
JCB	215E 4WD	TLB	5676	12516	7228	15938	U20	U20	U20
JCB	215S	TLB	5533	12200	8226	18139	U20	U20	U20
JCB	215S 4WS	TLB	5533	12200	7972	17579	U20	U20	U20
JCB	215S 4WS S3	TLB	5556	12250	8166	18007	U20	U20	U20
JCB	217 2WD	TLB	6122	13500	7768	17129	U20	U20	U20
JCB	217 2WD S3	TLB	5624	12400	7768	17129	U20	U20	U20
JCB	217 4WD	TLB	5533	12200	7943	17515	U20	U20	U20
JCB	217 W4WD S3	TLB	5624	12400	7943	17515	U20	U20	U20
JCB	217S	TLB	5533	12200	8537	18823	U20	U20	U20
JCB	217S 4WS	TLB	5533	12200	8064	17782	U20	U20	U20
JCB	217S 4WS S3	TLB	5624	12400	8064	17782	U20	U20	U20
JCB	3C 15FT	TLB	7432	16387	7727	17037	U20	U20	U20
JCB	3CX	TLB	6603	14560	7943	17515	U20	U20	U20
JCB	3CX 14FT	TLB	6227	13730	7002	15439	U20	U20	U20
JCB	3CX 15FT	TLB	7432	16387	7727	17037	U20	U20	U20
JCB	3CX SUPER	TLB	5577	12298	8425	18577	U20	U20	U20
JCB	4CX 14FT	TLB	6227	13730	7459	16446	U20	U20	U20
JCB	4CX 15FT	TLB	7432	16387	7972	17579	U20	U20	U20
JCB	4CX 17FT	TLB	7432	16387	8064	17782	U20	U20	U20
JCB	4CX SITEMSTR	TLB	6128	13512	8660	19095	U20	U20	U20
JCB	4CX SPRSITEMSTR	TLB	5577	12298	8879	19578	U20	U20	U20
JCB	8080 ZTS	BACKHOE	5098	11240	8599	18960	V17	U20	U20
JCB	JZ70	BACKHOE	5700	12569	7500	16537	V17	U20	U20
JCB	114	LOADER	9176	20234	13714	30240	V17	U20	U25
JCB	3000	LOADER	9278	20459	14324	31584	V17	U20	U25
JCB	416	LOADER	10237	22573	8666	19109	V17	U20	U25
JCB	416 HT	LOADER	10337	22794	10306	22725	V17	U20	U25
JCB	416B HT	LOADER	10236	22570	8760	19316	V17	U20	U25
JCB	418	LOADER	9992	22032	10362	22848	V17	U20	U25
JCB	430	LOADER	9686	21358	11886	26208	V17	U20	U25
JCB	907/1750	LOADER	9074	20009	9651	21280	V17	U20	U25
JCB	JS200 LC LR	BACKHOE	5900	13010	21220	46790	V17	U20	U25
JCB	JS220 LR	BACKHOE	5887	12980	23738	52342	V17	U20	U25
JCB	3CX 17FT	TLB	7432	16387	7943	17515	U25	U25	U25
JCB	423	LOADER	11725	25854	14629	32256	U20	U25	U25
JCB	426	LOADER	12399	27340	10900	24035	U20	U25	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
JCB	428	LOADER	12235	26978	16762	36960	U20	U25	U25
JCB	435	LOADER	11999	26458	13500	29768	U20	U25	U25
JCB	805BT	BACKHOE	6806	15008	12597	27776	U20	U25	U25
JCB	811	BACKHOE	6908	15232	14019	30912	U20	U25	U25
JCB	JS110	BACKHOE	6893	15200	11338	25000	U20	U25	U25
JCB	JS130 W	BACKHOE	7749	17086	12325	27177	U20	U25	U25
JCB	426 HT	LOADER	14059	31000	14727	32474	U20	U25	U30
JCB	426 ZX	LOADER	14771	32570	14120	31135	U20	U25	U30
JCB	426 ZX	LOADER	14771	32570	14317	31570	U20	U25	U30
JCB	426B HT	LOADER	12808	28241	13254	29226	U20	U25	U30
JCB	436	LOADER	15599	34395	13500	29768	U20	U25	U30
JCB	436B HT	LOADER	13934	30724	15612	34425	U20	U25	U30
JCB	446B HT	LOADER	14274	31475	15000	33075	U20	U25	U30
JCB	806C	BACKHOE	8330	18368	13410	29568	U20	U25	U30
JCB	812	BACKHOE	9651	21280	13511	29792	U20	U25	U30
JCB	814	BACKHOE	9651	21280	14222	31360	U20	U25	U30
JCB	814 SUPER	BACKHOE	9651	21280	15035	33152	U20	U25	U30
JCB	JS130	BACKHOE	8350	18412	13891	30630	U20	U25	U30
JCB	JS130 LC	BACKHOE	9373	20667	15197	33510	U20	U25	U30
JCB	JS131 LC	BACKHOE	9369	20659	14035	30948	U20	U25	U30
JCB	JS145LC	BACKHOE	9373	20667	14219	31352	U20	U25	U30
JCB	JS150	BACKHOE	9500	20948	16100	35501	U20	U25	U30
JCB	JS150 LC	BACKHOE	8998	19840	16109	35520	U20	U25	U30
JCB	JS150 W	BACKHOE	9176	20234	15497	34171	U20	U25	U30
JCB	JS160	BACKHOE	10376	22880	16220	35765	U20	U25	U30
JCB	JS160 W	BACKHOE	10400	22932	16830	37110	U20	U25	U30
JCB	JS260 LR	BACKHOE	8561	18876	28824	63558	U20	U25	U30
JCB	JZ140	BACKHOE	9373	20667	15959	35190	U20	U25	U30
JCB	426B ZX	LOADER	16159	35630	13029	28729	U25	U25	U30
JCB	436 HT	LOADER	15612	34425	16894	37251	U25	U25	U30
JCB	446B ZX	LOADER	16517	36421	15380	33913	U25	U25	U30
JCB	436 ZX	LOADER	17943	39565	16263	35860	U25	U30	U30
JCB	436B ZX	LOADER	17945	39568	14187	31282	U25	U30	U30
JCB	446 ZX	LOADER	17026	37543	19025	41950	U25	U30	U30
JCB	450	LOADER	18898	41671	17300	38147	U25	U30	U30
JCB	456 HT	LOADER	17841	39340	21332	47036	U25	U30	U30
JCB	456 ZX	LOADER	17536	38666	21332	47036	U25	U30	U30
JCB	JS160 L	BACKHOE	10740	23682	16925	37320	U25	U30	U30
JCB	JS160 NL	BACKHOE	10740	23682	16249	35830	U25	U30	U30
JCB	JS180	BACKHOE	10737	23674	18475	40737	U25	U30	U30
JCB	JS180 LC	BACKHOE	10737	23674	18475	40737	U25	U30	U30
JCB	456B ZX	LOADER	21606	47642	18122	39958	U25	U30	U35
JCB	807C	BACKHOE	10870	23968	18794	41440	U25	U30	U35
JCB	817	BACKHOE	11683	25760	19606	43232	U25	U30	U35
JCB	818	BACKHOE	12190	26880	19810	43680	U25	U30	U35
JCB	820	BACKHOE	12190	26880	20622	45472	U25	U30	U35
JCB	JS160 LC	BACKHOE	11839	26104	17922	39518	U25	U30	U35
JCB	JS160 NLC	BACKHOE	11839	26104	17922	39518	U25	U30	U35
JCB	JS190 LC	BACKHOE	11839	26104	20000	44099	U25	U30	U35
JCB	JS190 NLC	BACKHOE	11839	26104	20000	44099	U25	U30	U35
JCB	JS220 XD (2002)	BACKHOE	12710	28026	21475	47352	U25	U30	U35
JCB	JS220N (2002)	BACKHOE	12710	28026	21095	46514	U25	U30	U35
JCB	JS220S (2002)	BACKHOE	12710	28026	21475	47352	U25	U30	U35
JCB	JS200	BACKHOE	15798	34835	20690	45621	U30	U35	U40
JCB	JS200 LC	BACKHOE	15798	34835	19996	44092	U30	U35	U40
JCB	JS200N	BACKHOE	15798	34835	19630	43284	U30	U35	U40
JCB	JS200S	BACKHOE	15798	34835	20010	44122	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
JCB	JS210 LC	BACKHOE	15798	34835	21671	47785	U30	U35	U40
JCB	JS220	BACKHOE	15798	34835	22426	49450	U30	U35	U40
JCB	JS220 LC	BACKHOE	15798	34835	22546	49714	U30	U35	U40
JCB	JS220 XD	BACKHOE	15798	34835	23065	50858	U30	U35	U40
JCB	JS240	BACKHOE	13700	30209	24200	53361	U30	U35	U40
JCB	JS240 NLC	BACKHOE	13561	29901	23995	52910	U30	U35	U40
JCB	JZ235 LC	BACKHOE	15798	34835	23217	51194	U30	U35	U40
JCB	JHS300 LC	BACKHOE	18251	40243	31994	70547	U35	U40	U45
JCB	JS240 LC	BACKHOE	19571	43154	25195	55556	U35	U40	U45
JCB	JS240S	BACKHOE	18363	40490	23750	52369	U35	U40	U45
JCB	JS260	BACKHOE	18370	40506	26100	57550	U35	U40	U45
JCB	JS260 LC	BACKHOE	19571	43154	27745	61178	U35	U40	U45
JCB	JS260 NLC	BACKHOE	18363	40490	25440	56095	U35	U40	U45
JCB	JS260 XD	BACKHOE	19571	43154	28745	63383	U35	U40	U45
JCB	JS260S	BACKHOE	18363	40490	24920	54949	U35	U40	U45
JCB	JS300	BACKHOE	18000	39690	31400	69237	U35	U40	U45
JCB	JS300 LC	BACKHOE	17596	38800	30993	68340	U35	U40	U45
JCB	JS330	BACKHOE	19500	42998	31900	70339	U35	U40	U45
JCB	JS330 LC	BACKHOE	19501	43000	33282	73387	U35	U40	U45
JCB	JS330 NLC	BACKHOE	19501	43000	33282	73387	U35	U40	U45
JCB	JS330 XD	BACKHOE	19501	43000	32894	72532	U35	U40	U45
JCB	JS290 LC	BACKHOE	23042	50807	31237	68877	U40	U45	U55
JCB	JS360 LC	BACKHOE	27345	60296	38366	84596	U40	U45	U55
JCB	JS450	BACKHOE	23200	51156	44400	97902	U40	U45	U55
JCB	JS450 LC	BACKHOE	22086	48700	43520	95961	U40	U45	U55
JCB	JS460 LC	BACKHOE	27497	60630	46812	103220	U40	U45	U55
JCB	1100T ROBOT	SKID-STEER	1990	4388	4625	10198	V13	V13	V13
JCB	1105 ROBOT	SKID-STEER	1747	3852	3371	7434	V13	V13	V13
JCB	1110 II	SKID-STEER	2730	6020	3819	8420	V13	V13	V13
JCB	1110 ROBOT	SKID-STEER	1990	4387	3725	8214	V13	V13	V13
JCB	1110T II	SKID-STEER	2750	6064	4959	10935	V13	V13	V13
JCB	1110T ROBOT	SKID-STEER	1990	4388	4625	10198	V13	V13	V13
JCB	1110W ROBOT	SKID-STEER	2111	4654	3725	8214	V13	V13	V13
JCB	160 II	SKID-STEER	1852	4083	2649	5842	V13	V13	V13
JCB	160 ROBOT	SKID-STEER	1360	2998	2410	5313	V13	V13	V13
JCB	165 ROBOT	SKID-STEER	1399	3085	2429	5357	V13	V13	V13
JCB	170 II	SKID-STEER	1800	3968	2714	5985	V13	V13	V13
JCB	170 ROBOT	SKID-STEER	1450	3197	2510	5534	V13	V13	V13
JCB	180 II	SKID-STEER	1980	4365	2740	6041	V13	V13	V13
JCB	180T	SKID-STEER	1980	4365	3679	8113	V13	V13	V13
JCB	185 ROBOT	SKID-STEER	1747	3852	3371	7434	V13	V13	V13
JCB	190 II	SKID-STEER	2730	6020	3636	8018	V13	V13	V13
JCB	190 ROBOT	SKID-STEER	1990	4387	3500	7717	V13	V13	V13
JCB	190T II	SKID-STEER	2750	6064	4649	10250	V13	V13	V13
JCB	190T ROBOT	SKID-STEER	1990	4388	4400	9702	V13	V13	V13
JCB	190W ROBOT	SKID-STEER	2111	4654	3500	7717	V13	V13	V13
JCB	1CX	TLB	2200	4852	2789	6150	V13	V13	V13
JCB	208S	TLB	2200	4852	2789	6150	V13	V13	V13
JCB	260	SKID-STEER	2585	5699	3615	7971	V13	V13	V13
JCB	260T	SKID-STEER	3259	7187	4628	10205	V13	V13	V13
JCB	280	SKID-STEER	2585	5699	3655	8060	V13	V13	V13
JCB	300	SKID-STEER	3259	7187	3823	8430	V13	V13	V13
JCB	300T	SKID-STEER	3259	7187	4836	10663	V13	V13	V13
JCB	330	SKID-STEER	3259	7187	3958	8728	V13	V13	V13
JCB	330T	SKID-STEER	3259	7187	4961	10939	V13	V13	V13
JCB	MIDI CX	TLB	2732	6025	3899	8598	V13	V13	V13
JCB	MINI CX II	TLB	1308	2885	1960	4321	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
JCB	1CX	LOADER	2349	5179	2789	6150	V13	V13	V13
JCB	208S	LOADER	2349	5179	2789	6150	V13	V13	V13
JCB	210S	LOADER	3948	8706	4722	10412	V13	V13	V13
JCB	210SL	LOADER	3948	8706	5750	12678	V13	V13	V13
JCB	210SU	LOADER	3948	8706	4927	10864	V13	V13	V13
JCB	212S	LOADER	3599	7935	5507	12144	V13	V13	V13
JCB	212SL	LOADER	3599	7935	5799	12787	V13	V13	V13
JCB	212SU	LOADER	3599	7935	5568	12278	V13	V13	V13
JCB	2CX	LOADER	3599	7935	5591	12329	V13	V13	V13
JCB	2CXL	LOADER	3946	8701	5524	12180	V13	V13	V13
JCB	2CXL 4X4X4	LOADER	3365	7419	5499	12125	V13	V13	V13
JCB	406	LOADER	4272	9420	4933	10877	V13	V13	V13
JCB	407	LOADER	3700	8158	4700	10364	V13	V13	V13
JCB	408	LOADER	4282	9442	5129	11309	V13	V13	V13
JCB	409	LOADER	4285	9449	5819	12831	V13	V13	V13
JCB	801	BACKHOE	1110	2447	1428	3149	V13	V13	V13
JCB	801.4	BACKHOE	1112	2451	1485	3274	V13	V13	V13
JCB	801.5	BACKHOE	1290	2844	1530	3374	V13	V13	V13
JCB	801.6	BACKHOE	1315	2900	1610	3550	V13	V13	V13
JCB	8014	BACKHOE	1134	2500	1428	3149	V13	V13	V13
JCB	8015	BACKHOE	1134	2500	1428	3149	V13	V13	V13
JCB	8015-2	BACKHOE	1134	2500	1428	3149	V13	V13	V13
JCB	8016	BACKHOE	1652	3642	1590	3505	V13	V13	V13
JCB	8017	BACKHOE	1134	2500	1428	3149	V13	V13	V13
JCB	8018	BACKHOE	1652	3642	1662	3664	V13	V13	V13
JCB	802	BACKHOE	1733	3822	2350	5182	V13	V13	V13
JCB	802.4	BACKHOE	1733	3822	2455	5413	V13	V13	V13
JCB	8025 ZTS	BACKHOE	2447	5395	2684	5919	V13	V13	V13
JCB	8027 Z	BACKHOE	2030	4476	2779	6127	V13	V13	V13
JCB	8027 ZTS	BACKHOE	2030	4476	2963	6533	V13	V13	V13
JCB	803	BACKHOE	2199	4849	2779	6128	V13	V13	V13
JCB	803 PLUS	BACKHOE	2121	4676	2779	6128	V13	V13	V13
JCB	8030 ZTS	BACKHOE	2855	6295	3216	7092	V13	V13	V13
JCB	8032 Z	BACKHOE	2354	5191	3260	7188	V13	V13	V13
JCB	8032 ZTS	BACKHOE	2354	5191	3366	7423	V13	V13	V13
JCB	804	BACKHOE	2199	4849	3418	7536	V13	V13	V13
JCB	804 PLUS	BACKHOE	2243	4946	3471	7654	V13	V13	V13
JCB	804 SUPER	BACKHOE	2269	5004	3505	7729	V13	V13	V13
JCB	MICRO	BACKHOE	1101	2427	1138	2509	V13	V13	V13
JCB	MICRO 8008	BACKHOE	950	2094	950	2094	V13	V13	V13
JCB	MICRO PLUS	BACKHOE	984	2169	1312	2893	V13	V13	V13
JCB	MIDI CX	LOADER	2644	5830	3899	8598	V13	V13	V13
JCB	MINI CX II	LOADER	1636	3607	1960	4321	V13	V13	V13
JCB	214E 2WD	LOADER	5320	11730	6516	14368	V13	V13	V17
JCB	214E 4WD	LOADER	5320	11730	6666	14698	V13	V13	V17
JCB	214E LL 2WD	LOADER	5320	11730	5714	12600	V13	V13	V17
JCB	214E LL 4WD	LOADER	5320	11730	5864	12930	V13	V13	V17
JCB	214S	LOADER	4980	10980	7934	17494	V13	V13	V17
JCB	214SE	LOADER	5329	11750	7555	16659	V13	V13	V17
JCB	215 2WD	LOADER	5556	12250	7551	16651	V13	V13	V17
JCB	215E 2WD	LOADER	5556	12250	7053	15552	V13	V13	V17
JCB	215E 4WD	LOADER	5556	12250	7228	15938	V13	V13	V17
JCB	215S	LOADER	4980	10980	8537	18823	V13	V13	V17
JCB	217S	LOADER	4980	10980	8537	18823	V13	V13	V17
JCB	2CXL FM	LOADER	4395	9690	5620	12392	V13	V13	V17
JCB	3C 14FT	LOADER	5500	12127	6066	13376	V13	V13	V17
JCB	3C LL	LOADER	5500	12127	5683	12530	V13	V13	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
JCB	407 ZX	LOADER	4700	10364	4708	10381	V13	V13	V17
JCB	407B	LOADER	4497	9915	4500	9923	V13	V13	V17
JCB	407B ZX	LOADER	4500	9923	4500	9923	V13	V13	V17
JCB	408B	LOADER	4588	10117	4927	10864	V13	V13	V17
JCB	409 ZX	LOADER	4914	10836	5248	11571	V13	V13	V17
JCB	409B	LOADER	5485	12095	5819	12831	V13	V13	V17
JCB	410	LOADER	5098	11241	6908	15232	V13	V13	V17
JCB	711S	LOADER	4486	9892	5170	11400	V13	V13	V17
JCB	8035 ZTS	BACKHOE	3262	7193	3650	8049	V13	V13	V17
JCB	1000B	TLB	5397	11900	6485	14300	V17	V17	V17
JCB	1400B	TLB	5215	11500	6571	14490	V17	V17	V17
JCB	1400B CEN	TLB	4721	10410	6259	13800	V17	V17	V17
JCB	1400B SID	TLB	4721	10410	6491	14313	V17	V17	V17
JCB	1550B	TLB	5102	11250	7161	15790	V17	V17	V17
JCB	210S	TLB	4370	9636	4722	10412	V17	V17	V17
JCB	212S	TLB	4200	9262	5507	12144	V17	V17	V17
JCB	212SU	TLB	3599	7935	5568	12278	V17	V17	V17
JCB	214 2WD S3	TLB	5442	12000	6751	14885	V17	V17	V17
JCB	214E 2WD	TLB	5202	11470	6516	14368	V17	V17	V17
JCB	214E 4WD	TLB	5202	11470	6666	14698	V17	V17	V17
JCB	214S	TLB	5261	11600	7934	17494	V17	V17	V17
JCB	214SE	TLB	5202	11470	7555	16659	V17	V17	V17
JCB	2CX	TLB	4199	9259	5591	12329	V17	V17	V17
JCB	2DX	TLB	5159	11376	6480	14288	V17	V17	V17
JCB	3C 14FT	TLB	5202	11470	6066	13376	V17	V17	V17
JCB	3C LL	TLB	5202	11470	5683	12530	V17	V17	V17
JCB	3CX SITEMSTR	TLB	4059	8950	6975	15380	V17	V17	V17
JCB	3CX TURBO	TLB	4853	10701	8076	17808	V17	V17	V17
JCB	215S 4WS	LOADER	6606	14567	7972	17579	V13	V17	U20
JCB	217 4WD	LOADER	6603	14560	7943	17515	V13	V17	U20
JCB	217S 4WS	LOADER	6603	14560	8064	17782	V13	V17	U20
JCB	3C 15FT	LOADER	6530	14398	7727	17037	V13	V17	U20
JCB	3CX 14FT	LOADER	6530	14398	7002	15439	V13	V17	U20
JCB	3CX 15FT	LOADER	6589	14528	7727	17037	V13	V17	U20
JCB	3CX 17FT	LOADER	6589	14528	7943	17515	V13	V17	U20
JCB	411B ZX	LOADER	7504	16547	7370	16251	V13	V17	U20
JCB	420	LOADER	7137	15737	9346	20608	V13	V17	U20
JCB	4CX 14FT	LOADER	6589	14528	7459	16446	V13	V17	U20
JCB	4CX 15FT	LOADER	6589	14528	7972	17579	V13	V17	U20
JCB	4CX 17FT	LOADER	6589	14528	8064	17782	V13	V17	U20
JCB	8060	BACKHOE	4149	9149	5991	13210	V13	V17	U20
JCB	8065 RTS	BACKHOE	4190	9240	6583	14515	V13	V17	U20
JCB	8085 ZTS	BACKHOE	5098	11240	8024	17694	V13	V17	U20
JCB	JS70	BACKHOE	4798	10580	7098	15652	V13	V17	U20
JCB	110	LOADER	6117	13489	9752	21504	V13	V17	V17
JCB	110B	LOADER	6117	13489	9956	21952	V13	V17	V17
JCB	214 2WD	LOADER	5732	12638	6827	15053	V13	V17	V17
JCB	214 4WD	LOADER	5732	12638	7002	15439	V13	V17	V17
JCB	214S 4WS	LOADER	5732	12638	7459	16446	V13	V17	V17
JCB	215 4WD	LOADER	5732	12638	7727	17037	V13	V17	V17
JCB	217 2WD	LOADER	5624	12400	7768	17129	V13	V17	V17
JCB	3CX	LOADER	5732	12638	7943	17515	V13	V17	V17
JCB	410B ZX	LOADER	6332	13961	6860	15126	V13	V17	V17
JCB	410E	LOADER	6220	13714	7111	15680	V13	V17	V17
JCB	412S FM	LOADER	5771	12725	7264	16017	V13	V17	V17
JCB	414S FM	LOADER	5771	12725	8658	19091	V13	V17	V17
JCB	8040	BACKHOE	3782	8340	4299	9480	V13	V17	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
JCB	8045 ZTS	BACKHOE	4302	9487	4749	10472	V13	V17	V17
JCB	8052	BACKHOE	4076	8988	5199	11464	V13	V17	V17
JCB	8055 RTS	BACKHOE	4302	9487	5288	11660	V13	V17	V17
JCB	112	LOADER	7851	17311	13613	30016	V17	V17	U20
JCB	411	LOADER	7460	16450	7556	16662	V17	V17	U20
JCB	411 HT	LOADER	7463	16455	8772	19343	V17	V17	U20
JCB	411B HT	LOADER	7463	16455	7646	16859	V17	V17	U20
JCB	413	LOADER	8259	18210	9448	20832	V17	V17	U20
JCB	415	LOADER	7545	16637	8025	17696	V17	V17	U20
JCB	415E	LOADER	7647	16862	8025	17696	V17	V17	U20
JCB	425	LOADER	8259	18210	10362	22848	V17	V17	U20
KAWASAKI	60ZIII	LOADER	8667	19110	8249	18190	V17	U20	U25
KAWASAKI	60ZV	LOADER	10880	23990	10707	23610	V17	U20	U25
KAWASAKI	60ZV-2	LOADER	8980	19800	9154	20185	V17	U20	U25
KAWASAKI	65TM-2	LOADER	10248	22597	11508	25375	V17	U20	U25
KAWASAKI	65ZII	LOADER	9686	21358	9977	22000	V17	U20	U25
KAWASAKI	65ZIII	LOADER	10400	22932	10000	22050	V17	U20	U25
KAWASAKI	65ZIV-2	LOADER	9705	21400	10417	22970	V17	U20	U25
KAWASAKI	65ZV	LOADER	10880	23990	10707	23610	V17	U20	U25
KAWASAKI	65ZV-2	LOADER	10880	23990	11900	26240	V17	U20	U25
KAWASAKI	90ZV	LOADER	10304	22720	10494	23140	V17	U20	U25
KAWASAKI	65TMV	LOADER	11578	25530	11977	26410	U20	U25	U25
KAWASAKI	65TMV-2	LOADER	11578	25530	12227	26960	U20	U25	U25
KAWASAKI	70	LOADER	11725	25854	12472	27500	U20	U25	U25
KAWASAKI	70ZII	LOADER	13051	28777	12739	28090	U20	U25	U30
KAWASAKI	70ZIII	LOADER	13663	30126	12834	28300	U20	U25	U30
KAWASAKI	70ZIV-2	LOADER	12499	27560	13039	28750	U20	U25	U30
KAWASAKI	70ZV	LOADER	12599	27780	14327	31590	U20	U25	U30
KAWASAKI	70ZV-2	LOADER	13746	30310	14807	32650	U20	U25	U30
KAWASAKI	70TMV-2	LOADER	15587	34370	16130	35566	U25	U25	U30
KAWASAKI	80ZII	LOADER	15906	35072	16780	37000	U25	U25	U30
KAWASAKI	80ZIII	LOADER	16008	35297	15889	35035	U25	U25	U30
KAWASAKI	80ZIV-2	LOADER	15596	34390	16247	35825	U25	U25	U30
KAWASAKI	80ZV-2	LOADER	17739	39115	17917	39506	U25	U30	U30
KAWASAKI	85ZII	LOADER	16823	37095	19315	42590	U25	U30	U30
KAWASAKI	85ZIII	LOADER	18449	40679	17700	39029	U25	U30	U30
KAWASAKI	85ZV	LOADER	18449	40680	20789	45840	U25	U30	U30
KAWASAKI	85ZIV-2	LOADER	18696	41225	19850	43770	U25	U30	U35
KAWASAKI	85ZV-2	LOADER	19676	43386	21106	46539	U25	U30	U35
KAWASAKI	90ZIII	LOADER	18597	41006	21976	48457	U25	U30	U35
KAWASAKI	90ZIV-2	LOADER	20896	46075	21741	47940	U30	U30	U35
KAWASAKI	90ZV-2	LOADER	22735	50130	23673	52200	U30	U30	U35
KAWASAKI	90ZV-2 HL	LOADER	24672	54402	23569	51970	U30	U30	U35
KAWASAKI	92ZV-2	LOADER	24866	54830	26385	58180	U30	U35	U40
KAWASAKI	95ZII	LOADER	24572	54182	28045	61840	U30	U35	U40
KAWASAKI	95ZIII	LOADER	27248	60081	28884	63690	U30	U35	U40
KAWASAKI	95ZIV-2	LOADER	24794	54670	29295	64595	U30	U35	U40
KAWASAKI	95ZV-2	LOADER	26995	59525	30916	68170	U30	U35	U40
KAWASAKI	95ZV	LOADER	28676	63230	30372	66970	U35	U35	U40
KAWASAKI	110ZII	LOADER	32117	70818	42694	94140	U35	U40	U45
KAWASAKI	115ZIII	LOADER	38986	85964	43333	95550	U40	U40	U45
KAWASAKI	115ZIV-2	LOADER	38503	84900	44032	97090	U40	U40	U45
KAWASAKI	115ZV	LOADER	40998	90400	45043	99320	U40	U45	U55
KAWASAKI	115ZV-2	LOADER	45805	101000	47995	105830	U40	U45	U55
KAWASAKI	115ZV-2 HL	LOADER	49388	108900	46993	103620	U40	U45	U55
KAWASAKI	135ZIV-2	LOADER	63673	140400	79093	174400	U55	U60	U60
KAWASAKI	135ZV	LOADER	63673	140400	79909	176200	U55	U60	U60

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KAWASAKI	135ZV-2	LOADER	59313	130785	82485	181880	U55	U60	U60
KAWASAKI	42ZV-2	LOADER	2512	5540	4195	9250	V13	V13	V13
KAWASAKI	45ZV-2	LOADER	3755	8280	5542	12220	V13	V13	V13
KAWASAKI	45ZII	LOADER	4400	9701	5200	11466	V13	V13	V17
KAWASAKI	50ZII	LOADER	6800	14993	7300	16097	V13	V17	U20
KAWASAKI	50ZV	LOADER	7098	15650	8091	17840	V13	V17	U20
KAWASAKI	60Z	LOADER	7341	16187	8163	18000	V13	V17	U20
KAWASAKI	50ZIV	LOADER	6213	13700	6871	15150	V13	V17	V17
KAWASAKI	50ZIV-2	LOADER	6213	13700	7429	16380	V13	V17	V17
KAWASAKI	60ZII	LOADER	7851	17311	8508	18760	V17	V17	U20
KAWASAKI	60ZIV	LOADER	7982	17600	8240	18170	V17	V17	U20
KAWASAKI	60ZIV-2	LOADER	7982	17600	8637	19045	V17	V17	U20
KAWASAKI	80ZV	LOADER	8063	17780	7943	17515	V17	V17	U20
KOBELCO	TLK760	TLB	5724	12622	6871	15150	U20	U20	U20
KOBELCO	TLK965	TLB	5816	12825	7667	16905	U20	U20	U20
KOBELCO	80CS	BACKHOE	5397	11900	7982	17600	V17	U20	U20
KOBELCO	LK150Z	LOADER	8299	18300	8000	17640	V17	U20	U20
KOBELCO	SK85 CS	BACKHOE	5397	11900	8481	18700	V17	U20	U20
KOBELCO	WLK15	LOADER	8363	18440	8481	18700	V17	U20	U20
KOBELCO	K903A	BACKHOE	6400	14112	6705	14784	V17	U20	U25
KOBELCO	K904C	BACKHOE	6599	14550	11147	24580	V17	U20	U25
KOBELCO	LK190Z	LOADER	10599	23371	9600	21168	V17	U20	U25
KOBELCO	LK500A	LOADER	9380	20683	10113	22300	V17	U20	U25
KOBELCO	LK550	LOADER	9686	21358	11052	24370	V17	U20	U25
KOBELCO	LK550-II	LOADER	10400	22932	11052	24370	V17	U20	U25
KOBELCO	WLK20	LOADER	10499	23150	11111	24500	V17	U20	U25
KOBELCO	TLK750	TLB	8533	18815	7068	15585	U25	U25	U25
KOBELCO	TLK860	TLB	8533	18815	7385	16285	U25	U25	U25
KOBELCO	K904	BACKHOE	7302	16100	11156	24600	U20	U25	U25
KOBELCO	K904D	BACKHOE	8127	17920	12292	27104	U20	U25	U25
KOBELCO	K904D LC	BACKHOE	7120	15700	11746	25900	U20	U25	U25
KOBELCO	K905	BACKHOE	7213	15904	12495	27552	U20	U25	U25
KOBELCO	K905 LC	BACKHOE	7483	16500	12381	27300	U20	U25	U25
KOBELCO	K905A	BACKHOE	7120	15700	12200	26900	U20	U25	U25
KOBELCO	SK100	BACKHOE	7497	16530	10884	24000	U20	U25	U25
KOBELCO	SK100-III	BACKHOE	7497	16530	10884	24000	U20	U25	U25
KOBELCO	SK110-IV	BACKHOE	7647	16862	10698	23589	U20	U25	U25
KOBELCO	SK115DZ-IV LC	BACKHOE	7937	17500	12880	28400	U20	U25	U25
KOBELCO	SK115-IV	BACKHOE	7937	17500	12880	28400	U20	U25	U25
KOBELCO	SK120 LC	BACKHOE	7701	16980	12200	26900	U20	U25	U25
KOBELCO	SK120-III	BACKHOE	7851	17311	11498	25353	U20	U25	U25
KOBELCO	SK120-III LC	BACKHOE	7701	16980	12200	26900	U20	U25	U25
KOBELCO	SK120-IV LC	BACKHOE	7701	16980	12200	26900	U20	U25	U25
KOBELCO	SK130-IV	BACKHOE	7698	16974	12100	26681	U20	U25	U25
KOBELCO	115SR DZ	BACKHOE	8209	18100	14399	31750	U20	U25	U30
KOBELCO	135SR DZ	BACKHOE	8620	19007	14000	30870	U20	U25	U30
KOBELCO	135SR L	BACKHOE	8615	18996	15697	34612	U20	U25	U30
KOBELCO	135SR LC	BACKHOE	8617	19000	14000	30870	U20	U25	U30
KOBELCO	140SR	BACKHOE	8617	19000	14531	32040	U20	U25	U30
KOBELCO	ED150	BACKHOE	8617	19000	16281	35900	U20	U25	U30
KOBELCO	ED160	BACKHOE	9206	20300	15964	35200	U20	U25	U30
KOBELCO	LK230Z	LOADER	13699	30206	12400	27342	U20	U25	U30
KOBELCO	LK600A	LOADER	13255	29227	13633	30060	U20	U25	U30
KOBELCO	LK650	LOADER	12949	28552	14259	31440	U20	U25	U30
KOBELCO	LK650-II	LOADER	13694	30196	14170	31245	U20	U25	U30
KOBELCO	SK130-IV LC	BACKHOE	8617	19000	12626	27840	U20	U25	U30
KOBELCO	SK135SR	BACKHOE	8620	19007	14000	30870	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOBELCO	SK140SRLC	BACKHOE	9206	20300	15011	33100	U20	U25	U30
KOBELCO	SK150-IV LC	BACKHOE	9977	22000	16236	35800	U20	U25	U30
KOBELCO	SK160-IV LC	BACKHOE	9890	21808	15997	35274	U20	U25	U30
KOBELCO	SK210 LC LR	BACKHOE	8118	17900	22993	50700	U20	U25	U30
KOBELCO	SK250 LC	BACKHOE	8617	19000	27195	59966	U20	U25	U30
KOBELCO	SK250 LC LR	BACKHOE	8617	19000	27195	59966	U20	U25	U30
KOBELCO	WLK25	LOADER	12336	27200	12426	27400	U20	U25	U30
KOBELCO	LK270Z	LOADER	15999	35277	14600	32193	U25	U25	U30
KOBELCO	ED180	BACKHOE	9977	22000	18957	41800	U25	U30	U30
KOBELCO	K907B	BACKHOE	9651	21280	19098	42112	U25	U30	U30
KOBELCO	LK310Z	LOADER	18498	40789	17500	38588	U25	U30	U30
KOBELCO	WLK35	LOADER	19365	42700	18327	40410	U25	U30	U30
KOBELCO	200SR LC	BACKHOE	11293	24900	21995	48500	U25	U30	U35
KOBELCO	215SR	BACKHOE	12449	27450	25438	56090	U25	U30	U35
KOBELCO	ED190	BACKHOE	11293	24900	19819	43700	U25	U30	U35
KOBELCO	ED195	BACKHOE	11293	24900	20317	44800	U25	U30	U35
KOBELCO	K907 LC	BACKHOE	10998	24250	19678	43390	U25	U30	U35
KOBELCO	K907C	BACKHOE	10159	22400	19200	42336	U25	U30	U35
KOBELCO	K907D LC	BACKHOE	10698	23590	19796	43650	U25	U30	U35
KOBELCO	LK850-II	LOADER	18592	40996	19550	43108	U25	U30	U35
KOBELCO	LK900	LOADER	20188	44514	20961	46220	U25	U30	U35
KOBELCO	SK160 LC	BACKHOE	11293	24900	16689	36800	U25	U30	U35
KOBELCO	SK170-8 LC	BACKHOE	11293	24900	17143	37800	U25	U30	U35
KOBELCO	SK200 LC	BACKHOE	12698	28000	20181	44500	U25	U30	U35
KOBELCO	SK200-III	BACKHOE	12949	28552	18697	41226	U25	U30	U35
KOBELCO	SK200-III LC	BACKHOE	12949	28552	19048	42000	U25	U30	U35
KOBELCO	SK200-IV LC	BACKHOE	13152	29000	20816	45900	U25	U30	U35
KOBELCO	SK210-IV	BACKHOE	12694	27990	20000	44100	U25	U30	U35
KOBELCO	SK210-IV LC	BACKHOE	12698	28000	20181	44500	U25	U30	U35
KOBELCO	SK260 SRLC	BACKHOE	12336	27200	26893	59300	U25	U30	U35
KOBELCO	SK290 LC LR	BACKHOE	10170	22425	33893	74733	U25	U30	U35
KOBELCO	WLK45	LOADER	19882	43840	22313	49200	U25	U30	U35
KOBELCO	LK1150	LOADER	23451	51709	28444	62720	U30	U30	U35
KOBELCO	LK1150-II	LOADER	23400	51596	28440	62710	U30	U30	U35
KOBELCO	LK350Z	LOADER	21498	47403	20100	44321	U30	U30	U35
KOBELCO	K909A	BACKHOE	12698	28000	23873	52640	U30	U35	U35
KOBELCO	K909A LC	BACKHOE	12608	27800	25397	56000	U30	U35	U35
KOBELCO	235SR	BACKHOE	14376	31700	26698	58870	U30	U35	U40
KOBELCO	235SR LC	BACKHOE	14376	31700	26698	58870	U30	U35	U40
KOBELCO	235SR LC H&W	BACKHOE	14376	31700	27500	60638	U30	U35	U40
KOBELCO	K909 LC	BACKHOE	13401	29550	23678	52210	U30	U35	U40
KOBELCO	LK470Z	LOADER	25498	56223	26800	59094	U30	U35	U40
KOBELCO	SK210-10 HCL HYBRID	BACKHOE	16009	35300	24082	53100	U30	U35	U40
KOBELCO	SK210-8 LC	BACKHOE	14376	31700	21905	48300	U30	U35	U40
KOBELCO	SK220 LC	BACKHOE	15147	33400	25306	55800	U30	U35	U40
KOBELCO	SK220-III	BACKHOE	13900	30650	22900	50495	U30	U35	U40
KOBELCO	SK220-III LC	BACKHOE	13900	30650	22902	50500	U30	U35	U40
KOBELCO	SK220-IV LC	BACKHOE	15147	33400	25306	55800	U30	U35	U40
KOBELCO	SK230 SRLC	BACKHOE	13469	29700	24989	55100	U30	U35	U40
KOBELCO	SK250-IV	BACKHOE	14702	32419	24340	53670	U30	U35	U40
KOBELCO	SK250-IV LC	BACKHOE	14698	32410	25805	56900	U30	U35	U40
KOBELCO	SK250-IV LCN	BACKHOE	14702	32419	24860	54816	U30	U35	U40
KOBELCO	SK270-IV LC	BACKHOE	15147	33400	28117	61997	U30	U35	U40
KOBELCO	K912A	BACKHOE	17506	38600	30839	68000	U35	U40	U40
KOBELCO	SK290 LC	BACKHOE	16327	36000	33893	74733	U35	U40	U40
KOBELCO	K912 LC	BACKHOE	17506	38600	31701	69900	U35	U40	U45
KOBELCO	K914	BACKHOE	17234	38000	40363	89000	U35	U40	U45

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOBELCO	K916 LC	BACKHOE	20499	45200	44549	98230	U35	U40	U45
KOBELCO	SK260-8 LC	BACKHOE	18647	41117	25986	57300	U35	U40	U45
KOBELCO	SK295 LC	BACKHOE	18770	41387	30295	66800	U35	U40	U45
KOBELCO	SK295-8 LC	BACKHOE	18770	41387	30295	66800	U35	U40	U45
KOBELCO	SK300 LC	BACKHOE	17506	38600	31701	69900	U35	U40	U45
KOBELCO	SK300-III	BACKHOE	17843	39344	28995	63933	U35	U40	U45
KOBELCO	SK300-III LC	BACKHOE	17843	39344	29025	64000	U35	U40	U45
KOBELCO	SK300-IV	BACKHOE	18277	40300	33107	73000	U35	U40	U45
KOBELCO	SK300-IV LC	BACKHOE	18277	40300	33243	73300	U35	U40	U45
KOBELCO	SK300-IV LC ME	BACKHOE	22676	50000	34014	75000	U35	U40	U45
KOBELCO	SK330	BACKHOE	19955	44000	35828	79000	U35	U40	U45
KOBELCO	SK330 DA	BACKHOE	19955	44000	35828	79000	U35	U40	U45
KOBELCO	SK330 LC	BACKHOE	22177	48900	35283	77800	U35	U40	U45
KOBELCO	SK330 LC HW	BACKHOE	22177	48900	36417	80300	U35	U40	U45
KOBELCO	SK330 LCDA	BACKHOE	22177	48900	35283	77800	U35	U40	U45
KOBELCO	SK330-IV	BACKHOE	20086	44290	30800	67914	U35	U40	U45
KOBELCO	SK330-IV LC	BACKHOE	22177	48900	35283	77800	U35	U40	U45
KOBELCO	LK560Z	LOADER	36597	80696	41400	91287	U40	U40	U45
KOBELCO	K916	BACKHOE	22000	48510	45351	100000	U40	U45	U55
KOBELCO	K935	BACKHOE	23583	52000	60403	133188	U40	U45	U55
KOBELCO	SK300 LC ME	BACKHOE	26500	58432	36281	80000	U40	U45	U55
KOBELCO	SK330 LC ME	BACKHOE	26500	58432	36281	80000	U40	U45	U55
KOBELCO	SK350-8 LC	BACKHOE	22327	49230	36100	79600	U40	U45	U55
KOBELCO	SK400 LC	BACKHOE	22000	48510	44549	98230	U40	U45	U55
KOBELCO	SK400-III	BACKHOE	22431	49460	40993	90389	U40	U45	U55
KOBELCO	SK400-III LC	BACKHOE	22431	49460	41270	91000	U40	U45	U55
KOBELCO	SK400-IV	BACKHOE	24943	55000	45578	100500	U40	U45	U55
KOBELCO	SK400-IV LC	BACKHOE	24943	55000	45760	100900	U40	U45	U55
KOBELCO	SK400-IV LC ME	BACKHOE	28262	62318	48753	107500	U40	U45	U55
KOBELCO	SK460-IV	BACKHOE	24572	54182	44300	97682	U40	U45	U55
KOBELCO	SK460-IV LC	BACKHOE	25082	55306	43492	95900	U40	U45	U55
KOBELCO	SK480 LC	BACKHOE	26077	57500	49000	108045	U40	U45	U55
KOBELCO	SK600	BACKHOE	23583	52000	60399	133180	U40	U45	U55
KOBELCO	SK600	HYD FACE SHOVEL	32200	71000	59991	132280	U55	U55	U60
KOBELCO	SK480 LC ME	BACKHOE	27247	60080	50000	110250	U45	U55	U55
KOBELCO	SK485-8 LC	BACKHOE	26794	59080	50190	110670	U45	U55	U55
KOBELCO	SK485-8 LC HW	BACKHOE	27247	60080	53011	116889	U45	U55	U55
KOBELCO	SK485-8 LC ME	BACKHOE	27222	60024	50884	112200	U45	U55	U55
KOBELCO	SK500 LC	BACKHOE	29705	65500	50522	111400	U45	U55	U60
KOBELCO	SK850 LC	BACKHOE	44044	97117	83383	183860	U55	U60	--
KOBELCO	13SR	BACKHOE	1176	2593	1469	3240	V13	V13	V13
KOBELCO	17SR	BACKHOE	1315	2900	1650	3638	V13	V13	V13
KOBELCO	17SR ACERA	BACKHOE	1315	2900	1650	3638	V13	V13	V13
KOBELCO	25SR-2	BACKHOE	1809	3988	2520	5556	V13	V13	V13
KOBELCO	27SR ACERA	BACKHOE	2876	6341	2520	5556	V13	V13	V13
KOBELCO	27SR-3	BACKHOE	2952	6510	2710	5976	V13	V13	V13
KOBELCO	30SR-2	BACKHOE	2605	5745	3139	6922	V13	V13	V13
KOBELCO	35SR-2	BACKHOE	2605	5745	3649	8046	V13	V13	V13
KOBELCO	LK200	LOADER	3976	8768	4930	10870	V13	V13	V13
KOBELCO	SK007	BACKHOE	850	1874	748	1650	V13	V13	V13
KOBELCO	SK015	BACKHOE	1111	2450	1565	3450	V13	V13	V13
KOBELCO	SK015E	BACKHOE	1112	2451	1530	3374	V13	V13	V13
KOBELCO	SK025	BACKHOE	1820	4013	2834	6250	V13	V13	V13
KOBELCO	SK025SR	BACKHOE	2644	5830	2120	4675	V13	V13	V13
KOBELCO	SK030	BACKHOE	2131	4699	3110	6858	V13	V13	V13
KOBELCO	SK030SR	BACKHOE	2478	5463	3100	6836	V13	V13	V13
KOBELCO	SK035	BACKHOE	2404	5300	3356	7400	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOBELCO	SK15SR	BACKHOE	1335	2944	1669	3680	V13	V13	V13
KOBELCO	SK35 SR	BACKHOE	2750	6064	3492	7700	V13	V13	V13
KOBELCO	SS60	BACKHOE	340	750	272	600	V13	V13	V13
KOBELCO	45SR	BACKHOE	3629	8003	4660	10275	V13	V13	V17
KOBELCO	LK80Z	LOADER	4400	9701	4800	10584	V13	V13	V17
KOBELCO	SF040SR	BACKHOE	3263	7194	4100	9041	V13	V13	V17
KOBELCO	SK045	BACKHOE	3222	7104	4600	10143	V13	V13	V17
KOBELCO	SK045SR	BACKHOE	3620	7981	4790	10562	V13	V13	V17
KOBELCO	SK55 SRX	BACKHOE	3175	7000	5379	11860	V13	V13	V17
KOBELCO	50SR ACERA	BACKHOE	5047	11128	4659	10274	V13	V17	U20
KOBELCO	50SR-3	BACKHOE	5047	11128	4850	10695	V13	V17	U20
KOBELCO	70SR	BACKHOE	5398	11903	7438	16400	V13	V17	U20
KOBELCO	70SR ACERA	BACKHOE	4807	10600	7846	17300	V13	V17	U20
KOBELCO	70SR OB	BACKHOE	5397	11900	7751	17090	V13	V17	U20
KOBELCO	80CS ACERA	BACKHOE	4807	10600	8590	18940	V13	V17	U20
KOBELCO	K903	BACKHOE	4490	9900	7138	15740	V13	V17	U20
KOBELCO	K903C	BACKHOE	4535	10000	6599	14550	V13	V17	U20
KOBELCO	LK120Z	LOADER	6800	14993	6800	14994	V13	V17	U20
KOBELCO	LK350	LOADER	6933	15288	8073	17800	V13	V17	U20
KOBELCO	LK450-II	LOADER	7137	15737	7710	17000	V13	V17	U20
KOBELCO	SK060	BACKHOE	4930	10870	6712	14800	V13	V17	U20
KOBELCO	SK60-IV	BACKHOE	4930	10870	6712	14800	V13	V17	U20
KOBELCO	SK75 SR	BACKHOE	4807	10600	7755	17100	V13	V17	U20
KOBELCO	30SR-3	BACKHOE	3823	8430	3220	7100	V13	V17	V17
KOBELCO	35SR ACERA	BACKHOE	3823	8430	3610	7959	V13	V17	V17
KOBELCO	35SR-3	BACKHOE	3823	8430	3800	8380	V13	V17	V17
KOBELCO	45SR-2	BACKHOE	3967	8747	4729	10428	V13	V17	V17
KOBELCO	WLK9	LOADER	6099	13448	5288	11660	V13	V17	V17
KOBELCO	K975	BACKHOE	50612	111600	130159	287000	U60	--	--
KOMATSU	WB140-2	TLB	6129	13515	7528	16600	U20	U20	U20
KOMATSU	WB140-2N	TLB	6129	13515	8948	19731	U20	U20	U20
KOMATSU	WB140PS-2N	TLB	6129	13515	8948	19731	U20	U20	U20
KOMATSU	WB146-5	TLB	6125	13505	7297	16090	U20	U20	U20
KOMATSU	WB146-5 PS	TLB	6125	13505	7297	16090	U20	U20	U20
KOMATSU	WB150-2	TLB	6660	14685	7888	17394	U20	U20	U20
KOMATSU	WB150-2 AWS	TLB	6660	14685	8948	19731	U20	U20	U20
KOMATSU	WB150-2N	TLB	6660	14685	8948	19731	U20	U20	U20
KOMATSU	WB150-2N AWS	TLB	6660	14685	8948	19731	U20	U20	U20
KOMATSU	WB150AWS-2N	TLB	6660	14685	8948	19731	U20	U20	U20
KOMATSU	WB150PS-2N	TLB	6660	14685	8948	19731	U20	U20	U20
KOMATSU	WB156-5	TLB	5935	13087	7497	16530	U20	U20	U20
KOMATSU	WB156PS-5	TLB	5935	13087	7497	16530	U20	U20	U20
KOMATSU	WB91-2R	TLB	5774	12732	8577	18912	U20	U20	U20
KOMATSU	WB92A	TLB	6322	13939	7440	16405	U20	U20	U20
KOMATSU	WB93-2R	TLB	6508	14350	7500	16538	U20	U20	U20
KOMATSU	WB95R	TLB	5710	12590	7500	16538	U20	U20	U20
KOMATSU	WB97R	TLB	6220	13714	7500	16538	U20	U20	U20
KOMATSU	WB98A	TLB	6474	14276	8100	17861	U20	U20	U20
KOMATSU	WA270-3	LOADER	10910	24056	12300	27122	U20	U20	U25
KOMATSU	PC75-2 R	BACKHOE	5279	11640	7509	16557	V17	U20	U20
KOMATSU	D41S-3	LOADER	8463	18660	11846	26120	V17	U20	U25
KOMATSU	D50S-16	LOADER	10706	23606	13105	28896	V17	U20	U25
KOMATSU	D53S-16	LOADER	10604	23381	14121	31136	V17	U20	U25
KOMATSU	D53S-17	LOADER	10094	22257	14281	31490	V17	U20	U25
KOMATSU	PC100-3	BACKHOE	6603	14560	10870	23968	V17	U20	U25
KOMATSU	PC78-6 MR	BACKHOE	6249	13780	8268	18230	V17	U20	U25
KOMATSU	PC78-6 US	BACKHOE	6249	13780	7188	15850	V17	U20	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	PC78-8 US	BACKHOE	6249	13780	7365	16240	V17	U20	U25
KOMATSU	PC80-3	BACKHOE	5501	12130	8077	17810	V17	U20	U25
KOMATSU	PC88-8 MR	BACKHOE	6249	13780	8416	18558	V17	U20	U25
KOMATSU	PC90-1	BACKHOE	5800	12790	8376	18470	V17	U20	U25
KOMATSU	PC95	BACKHOE	7290	16074	9108	20084	V17	U20	U25
KOMATSU	PC95-1	BACKHOE	7302	16100	9161	20200	V17	U20	U25
KOMATSU	PW75	BACKHOE	5365	11830	7200	15876	V17	U20	U25
KOMATSU	W70-3	LOADER	8972	19784	9651	21280	V17	U20	U25
KOMATSU	WA150-1	LOADER	9380	20683	7596	16750	V17	U20	U25
KOMATSU	WA180-1	LOADER	9889	21805	9340	20595	V17	U20	U25
KOMATSU	WA180-3	LOADER	8580	18920	9424	20781	V17	U20	U25
KOMATSU	WA180-3 PT	LOADER	9176	20234	10393	22917	V17	U20	U25
KOMATSU	WA200-1	LOADER	11725	25854	9195	20276	V17	U20	U25
KOMATSU	WA200-5	LOADER	10448	23038	10373	22872	V17	U20	U25
KOMATSU	WA200-5 PT	LOADER	11148	24581	10614	23404	V17	U20	U25
KOMATSU	WA200-6	LOADER	10448	23038	10763	23733	V17	U20	U25
KOMATSU	WA200-6 PZ	LOADER	9166	20210	11528	25420	V17	U20	U25
KOMATSU	WA250-3	LOADER	10298	22706	11130	24542	V17	U20	U25
KOMATSU	D57S-1	LOADER	11623	25629	15927	35120	U20	U25	U25
KOMATSU	PC100-6	BACKHOE	8200	18080	10748	23700	U20	U25	U25
KOMATSU	PC120-2	BACKHOE	6908	15232	11683	25760	U20	U25	U25
KOMATSU	PC120-3	BACKHOE	6880	15170	11596	25570	U20	U25	U25
KOMATSU	PC120-5	BACKHOE	7800	17200	12027	26520	U20	U25	U25
KOMATSU	PC128-1 UU	BACKHOE	7497	16530	13061	28800	U20	U25	U25
KOMATSU	PC128-2 UU	BACKHOE	7497	16530	13397	29540	U20	U25	U25
KOMATSU	PC95-2	BACKHOE	7346	16199	9252	20400	U20	U25	U25
KOMATSU	PC95-2 R	BACKHOE	7199	15873	9358	20635	U20	U25	U25
KOMATSU	W90-3	LOADER	11317	24955	12394	27328	U20	U25	U25
KOMATSU	WA250-1	LOADER	13285	29293	11420	25181	U20	U25	U25
KOMATSU	WA250-3 PT	LOADER	11145	24575	12490	27540	U20	U25	U25
KOMATSU	WA250-5 PT	LOADER	11148	24581	12453	27459	U20	U25	U25
KOMATSU	WA250-6 PZ	LOADER	12014	26490	12598	27778	U20	U25	U25
KOMATSU	PC120-6	BACKHOE	8499	18740	12868	28375	U20	U25	U30
KOMATSU	PC120-6 LC	BACKHOE	8499	18740	12798	28220	U20	U25	U30
KOMATSU	PC128-1 US	BACKHOE	9478	20900	12698	28000	U20	U25	U30
KOMATSU	PC128-2 US	BACKHOE	9497	20940	13397	29541	U20	U25	U30
KOMATSU	PC130-6	BACKHOE	8503	18750	13090	28863	U20	U25	U30
KOMATSU	PC130-8	BACKHOE	8249	18190	12562	27700	U20	U25	U30
KOMATSU	PC138-11 USLC	BACKHOE	9499	20945	15925	35114	U20	U25	U30
KOMATSU	PC138-2 USLC	BACKHOE	7950	17530	14756	32537	U20	U25	U30
KOMATSU	PC138-8 USLC	BACKHOE	8299	18300	14770	32568	U20	U25	U30
KOMATSU	PC150-3	BACKHOE	9000	19845	15193	33500	U20	U25	U30
KOMATSU	PC150-5	BACKHOE	9000	19845	15379	33910	U20	U25	U30
KOMATSU	PC150-5 LC	BACKHOE	9000	19845	15880	35015	U20	U25	U30
KOMATSU	PC158-2 USLC	BACKHOE	9995	22040	16499	36380	U20	U25	U30
KOMATSU	PC180-3	BACKHOE	8753	19300	18286	40320	U20	U25	U30
KOMATSU	PC180-3 LC	BACKHOE	8748	19290	16677	36773	U20	U25	U30
KOMATSU	PW130-6	BACKHOE	7800	17199	13900	30650	U20	U25	U30
KOMATSU	PW130-6 ES	BACKHOE	7800	17199	13273	29267	U20	U25	U30
KOMATSU	WA250-5	LOADER	13848	30534	11427	25197	U20	U25	U30
KOMATSU	WA250-6	LOADER	13848	30535	11748	25904	U20	U25	U30
KOMATSU	WA300-1	LOADER	14988	33049	9195	20276	U20	U25	U30
KOMATSU	WA300-3	LOADER	12500	27563	13590	29966	U20	U25	U30
KOMATSU	WA320-1	LOADER	13338	29411	13105	28897	U20	U25	U30
KOMATSU	WA320-3	LOADER	14411	31777	14336	31610	U20	U25	U30
KOMATSU	WA320-3 MC	LOADER	12499	27560	14150	31200	U20	U25	U30
KOMATSU	W120-3	LOADER	14886	32824	17371	38304	U25	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	WA320-5	LOADER	15098	33290	14212	31337	U25	U25	U30
KOMATSU	WA320-6	LOADER	15138	33380	14544	32070	U25	U25	U30
KOMATSU	WA320-6 PZ	LOADER	14426	31810	15374	33900	U25	U25	U30
KOMATSU	WA350-1	LOADER	16517	36421	12857	28349	U25	U25	U30
KOMATSU	WA380-1	LOADER	15560	34310	16728	36885	U25	U25	U30
KOMATSU	WA380-3 MC	LOADER	15100	33296	17830	39315	U25	U25	U30
KOMATSU	WA390-1	LOADER	15396	33948	16254	35840	U25	U25	U30
KOMATSU	D75S-5	LOADER	17887	39440	22000	48510	U25	U30	U30
KOMATSU	PC180-5	BACKHOE	10700	23594	17800	39249	U25	U30	U30
KOMATSU	PW150-1	BACKHOE	10768	23744	15746	34720	U25	U30	U30
KOMATSU	PW170-5	BACKHOE	10658	23500	17506	38600	U25	U30	U30
KOMATSU	PW170-6	BACKHOE	10658	23500	17506	38600	U25	U30	U30
KOMATSU	WA380-3	LOADER	16331	36009	19578	43170	U25	U30	U30
KOMATSU	WA380-5	LOADER	16618	36642	18218	40170	U25	U30	U30
KOMATSU	WA380-6	LOADER	18694	41220	17959	39600	U25	U30	U30
KOMATSU	WA400-5	LOADER	16637	36685	18762	41370	U25	U30	U30
KOMATSU	WA450-1	LOADER	18353	40468	22336	49250	U25	U30	U30
KOMATSU	WA450-3 MH	LOADER	16750	36934	22830	50340	U25	U30	U30
KOMATSU	PC150-6	BACKHOE	12538	27646	16757	36950	U25	U30	U35
KOMATSU	PC150-6 LC	BACKHOE	12538	27646	18165	40054	U25	U30	U35
KOMATSU	PC160-6	BACKHOE	12541	27653	16450	36272	U25	U30	U35
KOMATSU	PC160-7 LC	BACKHOE	11098	24470	17138	37790	U25	U30	U35
KOMATSU	PC160-8 LC	BACKHOE	11098	24470	17415	38400	U25	U30	U35
KOMATSU	PC170-11 LC	BACKHOE	12540	27651	19454	42895	U25	U30	U35
KOMATSU	PC180-6 LC	BACKHOE	12541	27653	18070	39844	U25	U30	U35
KOMATSU	PC180-6 NLC	BACKHOE	12541	27653	17700	39029	U25	U30	U35
KOMATSU	PC200-3 LC	BACKHOE	12245	27000	19501	43000	U25	U30	U35
KOMATSU	PC200-5 LC	BACKHOE	12499	27560	19728	43500	U25	U30	U35
KOMATSU	PC200-6	BACKHOE	12698	28000	20399	44980	U25	U30	U35
KOMATSU	PC200-6 EL	BACKHOE	13663	30126	19470	42931	U25	U30	U35
KOMATSU	PC200-6 EN	BACKHOE	13663	30126	19170	42270	U25	U30	U35
KOMATSU	PC200-6Z	BACKHOE	12698	28000	20408	45000	U25	U30	U35
KOMATSU	PC210-11 LC	BACKHOE	12540	27651	24436	53882	U25	U30	U35
KOMATSU	PC210-3	BACKHOE	12902	28448	21333	47040	U25	U30	U35
KOMATSU	PC210-6 LC	BACKHOE	12698	28000	23211	51180	U25	U30	U35
KOMATSU	PC228-1 USLC	BACKHOE	12797	28218	22896	50485	U25	U30	U35
KOMATSU	PC228-6 USLC	BACKHOE	12698	28000	23196	51148	U25	U30	U35
KOMATSU	PW170-6 ES	BACKHOE	11525	25413	17047	37589	U25	U30	U35
KOMATSU	PW210-1	BACKHOE	10698	23590	19075	42060	U25	U30	U35
KOMATSU	W170-2	LOADER	20392	44964	19606	43232	U25	U30	U35
KOMATSU	WA400-1	LOADER	19576	43165	39982	88160	U25	U30	U35
KOMATSU	WA420-1	LOADER	20873	46025	18927	41733	U25	U30	U35
KOMATSU	WA420-3	LOADER	18649	41120	19781	43617	U25	U30	U35
KOMATSU	WA420-3 MC	LOADER	18500	40793	19380	42733	U25	U30	U35
KOMATSU	WA430-6	LOADER	19976	44048	18715	41266	U25	U30	U35
KOMATSU	WA450-3	LOADER	20548	45308	22983	50677	U25	U30	U35
KOMATSU	WA450-6	LOADER	20707	45660	22712	50080	U25	U30	U35
KOMATSU	WA450-6 WH	LOADER	20707	45660	25552	56343	U25	U30	U35
KOMATSU	WA470-1	LOADER	19678	43390	22490	49590	U25	U30	U35
KOMATSU	WA470-3	LOADER	20698	45638	23096	50926	U25	U30	U35
KOMATSU	WA470-3 MAG	LOADER	20086	44290	23730	52325	U25	U30	U35
KOMATSU	WA470-6	LOADER	20707	45660	24717	54500	U25	U30	U35
KOMATSU	WA470-7	LOADER	20697	45636	23776	52426	U25	U30	U35
KOMATSU	WA450-2	LOADER	21018	46344	22020	48555	U30	U30	U35
KOMATSU	WA450-5	LOADER	22429	49456	22485	49579	U30	U30	U35
KOMATSU	WA450-5 HL	LOADER	22429	49456	22485	49579	U30	U30	U35
KOMATSU	WA480-6	LOADER	23551	51930	25551	56340	U30	U30	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	PC200-3	BACKHOE	14059	31000	19501	43000	U30	U35	U35
KOMATSU	PC200-7	BACKHOE	14095	31080	20005	44110	U30	U35	U35
KOMATSU	PC200-7 LC	BACKHOE	14095	31080	21256	46870	U30	U35	U35
KOMATSU	PC200-8	BACKHOE	14095	31080	20005	44110	U30	U35	U35
KOMATSU	HB215-3 LC	BACKHOE	15197	33510	23467	51745	U30	U35	U40
KOMATSU	PC200-5	BACKHOE	14200	31310	19728	43500	U30	U35	U40
KOMATSU	PC200-6 LC	BACKHOE	14898	32850	22419	49434	U30	U35	U40
KOMATSU	PC200-8 HD	BACKHOE	14095	31080	23665	52181	U30	U35	U40
KOMATSU	PC210-11 LCI	BACKHOE	16104	35510	23396	51588	U30	U35	U40
KOMATSU	PC210-5	BACKHOE	14300	31532	20500	45203	U30	U35	U40
KOMATSU	PC210-6	BACKHOE	15294	33723	21996	48501	U30	U35	U40
KOMATSU	PC210-8 LC	BACKHOE	17497	38580	23356	51499	U30	U35	U40
KOMATSU	PC220-3	BACKHOE	13995	30860	22222	49000	U30	U35	U40
KOMATSU	PC220-3 LC	BACKHOE	13995	30860	22676	50000	U30	U35	U40
KOMATSU	PC220-5	BACKHOE	13995	30860	22259	49080	U30	U35	U40
KOMATSU	PC220-5 LC	BACKHOE	16195	35710	23125	50990	U30	U35	U40
KOMATSU	PC220-6 LC	BACKHOE	16698	36820	24201	53364	U30	U35	U40
KOMATSU	PC220-7 LC	BACKHOE	15497	34170	25029	55189	U30	U35	U40
KOMATSU	PC220-8 LC	BACKHOE	15497	34170	24910	54926	U30	U35	U40
KOMATSU	PC228-3 USLC	BACKHOE	14098	31085	23179	51110	U30	U35	U40
KOMATSU	PC228-8 USLC	BACKHOE	14098	31085	24673	54405	U30	U35	U40
KOMATSU	PC238-11 USLC	BACKHOE	15193	33500	25143	55440	U30	U35	U40
KOMATSU	PC240-11 LC	BACKHOE	17536	38667	25569	56380	U30	U35	U40
KOMATSU	PC240-3	BACKHOE	14933	32928	24787	54656	U30	U35	U40
KOMATSU	PC240-5	BACKHOE	16400	36162	25000	55125	U30	U35	U40
KOMATSU	PC240-6	BACKHOE	17129	37770	24995	55115	U30	U35	U40
KOMATSU	PC250-6 LC	BACKHOE	14499	31970	27571	60795	U30	U35	U40
KOMATSU	PC280-3 LC	BACKHOE	14933	32928	28648	63168	U30	U35	U40
KOMATSU	PW200-7	BACKHOE	15187	33488	22022	48558	U30	U35	U40
KOMATSU	PW220-7	BACKHOE	15187	33488	23390	51576	U30	U35	U40
KOMATSU	WA480-5	LOADER	25385	55975	24571	54179	U30	U35	U40
KOMATSU	WA500-1	LOADER	25526	56284	29965	66073	U30	U35	U40
KOMATSU	WA500-3	LOADER	27295	60185	33565	74010	U30	U35	U40
KOMATSU	WA500-7	LOADER	24995	55115	34744	76611	U30	U35	U40
KOMATSU	W260-1	LOADER	29976	66097	37587	82880	U35	U35	U40
KOMATSU	WA500-6	LOADER	29136	64245	33565	74010	U35	U35	U40
KOMATSU	PC270-8 LC	BACKHOE	17896	39460	30564	67393	U35	U40	U40
KOMATSU	PC240-6 HLC	BACKHOE	19168	42266	24000	52920	U35	U40	U45
KOMATSU	PC240-6 LC	BACKHOE	19168	42266	24500	54023	U35	U40	U45
KOMATSU	PC270-6 LC	BACKHOE	18796	41446	31746	70000	U35	U40	U45
KOMATSU	PC270-7 LC	BACKHOE	17896	39460	33492	73850	U35	U40	U45
KOMATSU	PC290-11 LCI	BACKHOE	20196	44533	32694	72091	U35	U40	U45
KOMATSU	PC290-6 LC	BACKHOE	21411	47212	28805	63514	U35	U40	U45
KOMATSU	PC290-6 NLC	BACKHOE	21411	47212	29085	64132	U35	U40	U45
KOMATSU	PC300-3	BACKHOE	19048	42000	30385	67000	U35	U40	U45
KOMATSU	PC300-5	BACKHOE	19270	42491	30795	67902	U35	U40	U45
KOMATSU	PC300-5 HD	BACKHOE	18798	41450	36132	79670	U35	U40	U45
KOMATSU	PC300-5 LC	BACKHOE	18798	41450	31197	68790	U35	U40	U45
KOMATSU	PC300-6	BACKHOE	19098	42110	36624	80755	U35	U40	U45
KOMATSU	PC300-6 HD	BACKHOE	19098	42110	36624	80755	U35	U40	U45
KOMATSU	PC300-6 LC	BACKHOE	19098	42110	33924	74803	U35	U40	U45
KOMATSU	PC308-3 USLC	BACKHOE	17896	39460	33173	73146	U35	U40	U45
KOMATSU	PC340-6	BACKHOE	21615	47662	32665	72026	U35	U40	U45
KOMATSU	PC340-6 LC	BACKHOE	21615	47662	33395	73636	U35	U40	U45
KOMATSU	PC340-6 NLC	BACKHOE	21615	47662	32995	72754	U35	U40	U45
KOMATSU	PC350-6	BACKHOE	18821	41500	36281	80000	U35	U40	U45
KOMATSU	PC360-5	BACKHOE	18800	41454	37000	81585	U35	U40	U45

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	PC360-C LC	BACKHOE	17473	38528	38400	84672	U35	U40	U45
KOMATSU	PC380-6 LC	BACKHOE	21615	47662	40165	88564	U35	U40	U45
KOMATSU	WA600-1	LOADER	38434	84746	42837	94456	U40	U40	U45
KOMATSU	PC300-7 HD	BACKHOE	23297	51370	38942	85868	U40	U45	U55
KOMATSU	PC300-7 LC	BACKHOE	23297	51370	35056	77298	U40	U45	U55
KOMATSU	PC300-8 HD	BACKHOE	23297	51370	40159	88551	U40	U45	U55
KOMATSU	PC300-8 LC	BACKHOE	23297	51370	35897	79152	U40	U45	U55
KOMATSU	PC350-8 HD	BACKHOE	23297	51370	39990	88178	U40	U45	U55
KOMATSU	PC350-8 LC	BACKHOE	23297	51370	35844	79037	U40	U45	U55
KOMATSU	PC360-10 LC	BACKHOE	26395	58201	35563	78417	U40	U45	U55
KOMATSU	PC360-10 NLC	BACKHOE	26395	58201	35263	77756	U40	U45	U55
KOMATSU	PC360-11 LC	BACKHOE	26395	58200	36426	80320	U40	U45	U55
KOMATSU	PC360-11 LCI	BACKHOE	23197	51150	36194	79807	U40	U45	U55
KOMATSU	PC365-3 LC	BACKHOE	23197	51150	38247	84335	U40	U45	U55
KOMATSU	PC390-11 LC	BACKHOE	23197	51150	40789	89940	U40	U45	U55
KOMATSU	PC400-3	BACKHOE	22222	49000	42630	94000	U40	U45	U55
KOMATSU	PC400-3 LC	BACKHOE	22222	49000	42630	94000	U40	U45	U55
KOMATSU	PC400-5	BACKHOE	22600	49833	42900	94595	U40	U45	U55
KOMATSU	PC400-5 HD	BACKHOE	22395	49380	44549	98230	U40	U45	U55
KOMATSU	PC400-5 LC	BACKHOE	22395	49380	42542	93805	U40	U45	U55
KOMATSU	PC400-6	BACKHOE	22794	50260	43537	96000	U40	U45	U55
KOMATSU	PC400-6 HD	BACKHOE	22794	50260	44753	98680	U40	U45	U55
KOMATSU	PC400-6 LC	BACKHOE	22794	50260	45132	99517	U40	U45	U55
KOMATSU	PC400-6 LCSE	BACKHOE	23196	51147	43151	95147	U40	U45	U55
KOMATSU	PC400-7 LC	BACKHOE	24594	54230	46267	102018	U40	U45	U55
KOMATSU	PC400-8 LC	BACKHOE	24594	54230	47090	103834	U40	U45	U55
KOMATSU	PC450-6	BACKHOE	24980	55081	43350	95587	U40	U45	U55
KOMATSU	PC450-6 LC	BACKHOE	24980	55081	44670	98497	U40	U45	U55
KOMATSU	PC450-6 LCD	BACKHOE	25000	55125	53930	118916	U40	U45	U55
KOMATSU	PC450-8 LC	BACKHOE	24594	54230	46816	103230	U40	U45	U55
KOMATSU	PC490-11 LC	BACKHOE	24395	53790	49497	109140	U40	U45	U55
KOMATSU	WA600-3	LOADER	44542	98216	49391	108908	U40	U45	U55
KOMATSU	WA600-6	LOADER	45678	100720	53889	118825	U40	U45	U55
KOMATSU	PC490-11 LCI	BACKHOE	27995	61730	48912	107850	U45	U55	U60
KOMATSU	PC600-6	BACKHOE	29093	64150	59864	132000	U45	U55	U60
KOMATSU	PC600-6 LC	BACKHOE	29093	64150	60390	133160	U45	U55	U60
KOMATSU	PC600-7 LC	BACKHOE	29093	64150	60390	133160	U45	U55	U60
KOMATSU	PC600-7 SE	BACKHOE	31764	70040	60390	133160	U45	U55	U60
KOMATSU	PC600-8 LC	BACKHOE	29093	64150	59991	132280	U45	U55	U60
KOMATSU	PC600-8 LC	BACKHOE	29093	64150	67386	148586	U45	U55	U60
KOMATSU	PC650-3	BACKHOE	28993	63930	64989	143300	U45	U55	U60
KOMATSU	PC650-3 LC	BACKHOE	28993	63930	64853	143000	U45	U55	U60
KOMATSU	PC650-5	BACKHOE	28993	63930	67107	147970	U45	U55	U60
KOMATSU	PC650-5 LC	BACKHOE	28993	63930	70178	154743	U45	U55	U60
KOMATSU	PC650-8 LC	BACKHOE	29093	64150	66390	146390	U45	U55	U60
KOMATSU	PC750-6	BACKHOE	30195	66580	77293	170430	U45	U55	U60
KOMATSU	PC750-6 LC	BACKHOE	30195	66580	80751	178055	U45	U55	U60
KOMATSU	PC750-7 LC	BACKHOE	30195	66580	79745	175837	U45	U55	U60
KOMATSU	PC800-8 LC	BACKHOE	30195	66580	87184	192240	U45	U55	U60
KOMATSU	PC800-8 LCMH	BACKHOE	30195	66580	89322	196955	U45	U55	U60
KOMATSU	PC800-8	HYD FACE SHOVEL	48590	107140	76984	169750	U60	U60	--
KOMATSU	PC650-1	HYD FACE SHOVEL	43991	97000	68481	151000	U60	U60	U60
KOMATSU	PC650-5	HYD FACE SHOVEL	43991	97000	69356	152930	U60	U60	U60
KOMATSU	PC750-6	HYD FACE SHOVEL	43991	97000	74367	163980	U60	U60	U60
KOMATSU	PC1000-1 SE	BACKHOE	39991	88180	97000	213885	U55	U60	--
KOMATSU	PC800SE-8	BACKHOE	39891	87960	77796	171540	U55	U60	--
KOMATSU	PC850-8 SE	BACKHOE	43891	96780	79084	174380	U55	U60	--

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	WA800-1	LOADER	71576	157824	86785	191360	U55	U60	--
KOMATSU	WA800-3	LOADER	71778	158270	104481	230380	U55	U60	--
KOMATSU	WA899-3	LOADER	68985	152113	98300	216752	U55	U60	--
KOMATSU	WA900-1	LOADER	62091	136910	94485	208340	U55	U60	--
KOMATSU	WA900-3	LOADER	67977	149890	107184	236340	U55	U60	--
KOMATSU	WA900-3HL	LOADER	71664	158020	107333	236670	U55	U60	--
KOMATSU	PC1100-6	BACKHOE	48794	107590	102993	227100	U55	U60	--
KOMATSU	PC1250-7	BACKHOE	48794	107590	108993	240330	U55	U60	--
KOMATSU	PC1250-7 LC	BACKHOE	48794	107590	114286	252000	U55	U60	--
KOMATSU	PC1250-8	BACKHOE	42993	94800	115193	254000	U55	U60	--
KOMATSU	PC1250-8 LC	BACKHOE	42993	94800	115193	254000	U55	U60	--
KOMATSU	PC1250-8 LC	BACKHOE	48794	107590	52267	115249	U55	U60	--
KOMATSU	PC1250-8R	BACKHOE	42993	94800	110880	244490	U55	U60	--
KOMATSU	PC800-8 LC	BACKHOE	47991	105820	85565	188670	U55	U60	--
KOMATSU	PC1000-1 LC	BACKHOE	36993	81570	103283	227740	U55	U60	U60
KOMATSU	PC650-11 LC	BACKHOE	32295	71210	65439	144292	U55	U60	U60
KOMATSU	PC650-5 SE	BACKHOE	34494	76060	68667	151410	U55	U60	U60
KOMATSU	PC750-6 SE	BACKHOE	39891	87960	78181	172390	U55	U60	U60
KOMATSU	PC850-8	BACKHOE	36993	81570	79488	175270	U55	U60	U60
KOMATSU	WA700-1	LOADER	64689	142640	73084	161150	U55	U60	U60
KOMATSU	WA700-3	LOADER	64689	142640	73084	161150	U55	U60	U60
KOMATSU	CK30-1	SKID-STEER	2285	5038	4329	9546	V13	V13	V13
KOMATSU	CK35-1	SKID-STEER	3841	8470	4559	10053	V13	V13	V13
KOMATSU	SK1020	SKID-STEER	2285	5038	3434	7573	V13	V13	V13
KOMATSU	SK1020-5	SKID-STEER	2285	5038	3434	7573	V13	V13	V13
KOMATSU	SK1026	SKID-STEER	2449	5400	3659	8068	V13	V13	V13
KOMATSU	SK1026-5	SKID-STEER	2449	5400	3659	8068	V13	V13	V13
KOMATSU	SK714-5	SKID-STEER	1791	3950	2524	5565	V13	V13	V13
KOMATSU	SK815-5	SKID-STEER	1791	3950	2624	5785	V13	V13	V13
KOMATSU	SK818-5	SKID-STEER	1905	4200	2934	6470	V13	V13	V13
KOMATSU	SK820-5	SKID-STEER	1905	4200	2939	6480	V13	V13	V13
KOMATSU	PC03	BACKHOE	951	2098	815	1797	V13	V13	V13
KOMATSU	PC03-2	BACKHOE	1075	2370	900	1984	V13	V13	V13
KOMATSU	PC05	BACKHOE	1346	2968	1440	3175	V13	V13	V13
KOMATSU	PC07	BACKHOE	1346	2968	1560	3440	V13	V13	V13
KOMATSU	PC09-1	BACKHOE	1075	2370	900	1985	V13	V13	V13
KOMATSU	PC10	BACKHOE	1949	4298	2680	5909	V13	V13	V13
KOMATSU	PC12-8R	BACKHOE	1315	2900	1388	3060	V13	V13	V13
KOMATSU	PC12R-8	BACKHOE	1315	2900	1388	3060	V13	V13	V13
KOMATSU	PC15 MRX	BACKHOE	1451	3200	1805	3980	V13	V13	V13
KOMATSU	PC15-8R	BACKHOE	1315	2900	1542	3400	V13	V13	V13
KOMATSU	PC15R-8E	BACKHOE	1450	3197	1615	3560	V13	V13	V13
KOMATSU	PC18-2 MR	BACKHOE	1619	3570	1855	4090	V13	V13	V13
KOMATSU	PC18-3 MR	BACKHOE	1619	3570	1855	4090	V13	V13	V13
KOMATSU	PC20	BACKHOE	2325	5126	3000	6615	V13	V13	V13
KOMATSU	PC20 MRX	BACKHOE	1918	4230	2190	4830	V13	V13	V13
KOMATSU	PC20-2 MR	BACKHOE	2295	5060	2295	5060	V13	V13	V13
KOMATSU	PC20-8R	BACKHOE	1700	3749	2141	4720	V13	V13	V13
KOMATSU	PC25-8R	BACKHOE	1810	3991	2649	5840	V13	V13	V13
KOMATSU	PC27 MRX	BACKHOE	2231	4920	2996	6606	V13	V13	V13
KOMATSU	PC27-2 MR	BACKHOE	2231	4920	2989	6590	V13	V13	V13
KOMATSU	PC27-3 MR	BACKHOE	2231	4920	2930	6460	V13	V13	V13
KOMATSU	PC27-8E R	BACKHOE	2300	5071	2829	6239	V13	V13	V13
KOMATSU	PC27-8R	BACKHOE	2229	4915	2889	6370	V13	V13	V13
KOMATSU	PC30	BACKHOE	2926	6452	3700	8159	V13	V13	V13
KOMATSU	PC30 MRX	BACKHOE	2798	6170	3202	7060	V13	V13	V13
KOMATSU	PC30-8R	BACKHOE	2100	4631	3188	7030	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	PC35 MRX	BACKHOE	2855	6295	3764	8300	V13	V13	V13
KOMATSU	PC35-8R	BACKHOE	2689	5930	3474	7660	V13	V13	V13
KOMATSU	PC35R-8E	BACKHOE	2934	6470	3459	7628	V13	V13	V13
KOMATSU	WA30-5	LOADER	2698	5950	2739	6040	V13	V13	V13
KOMATSU	WA50-3	LOADER	3048	6720	3719	8200	V13	V13	V13
KOMATSU	WA50-6	LOADER	3048	6720	3823	8430	V13	V13	V13
KOMATSU	WA60	LOADER	3752	8273	4080	8996	V13	V13	V13
KOMATSU	WA65-3	LOADER	4061	8955	4231	9330	V13	V13	V13
KOMATSU	WA65-5	LOADER	3702	8162	4889	10780	V13	V13	V13
KOMATSU	WA70-1	LOADER	3874	8543	4757	10490	V13	V13	V13
KOMATSU	WA70-5	LOADER	3639	8025	5359	11816	V13	V13	V13
KOMATSU	PC35-2 MR	BACKHOE	3050	6725	3739	8245	V13	V13	V17
KOMATSU	PC35-3 MR	BACKHOE	3050	6725	3587	7909	V13	V13	V17
KOMATSU	PC40 MRX	BACKHOE	3261	7190	4490	9900	V13	V13	V17
KOMATSU	PC40-8R	BACKHOE	2750	6064	4290	9460	V13	V13	V17
KOMATSU	PC45-3 MR	BACKHOE	3460	7630	4795	10573	V13	V13	V17
KOMATSU	PC45-8R	BACKHOE	3537	7800	4571	10080	V13	V13	V17
KOMATSU	WA65	LOADER	5302	11691	4530	9989	V13	V13	V17
KOMATSU	WA75	LOADER	4588	10117	4700	10364	V13	V13	V17
KOMATSU	WA75-3	LOADER	4959	10935	4839	10670	V13	V13	V17
KOMATSU	WA80-5	LOADER	4610	10164	5924	13062	V13	V13	V17
KOMATSU	WA85-3	LOADER	4955	10926	5199	11464	V13	V13	V17
KOMATSU	WB142-5	LOADER	5148	11351	6582	14513	V13	V13	V17
KOMATSU	WB142-5	TLB	5148	11351	6582	14513	V17	V17	V17
KOMATSU	WB70A	TLB	4395	9690	5650	12458	V17	V17	V17
KOMATSU	PC60-5	BACKHOE	4499	9920	6299	13890	V13	V17	U20
KOMATSU	PC60-5 U	BACKHOE	4499	9920	6998	15430	V13	V17	U20
KOMATSU	PC60-6	BACKHOE	4599	10140	6748	14880	V13	V17	U20
KOMATSU	PC60-7	BACKHOE	4798	10580	6408	14130	V13	V17	U20
KOMATSU	PC60-7B	BACKHOE	4799	10582	6859	15124	V13	V17	U20
KOMATSU	PW60-3	BACKHOE	4499	9920	6540	14420	V13	V17	U20
KOMATSU	WA100-1	LOADER	7443	16412	7010	15456	V13	V17	U20
KOMATSU	WA100-5 M	LOADER	6599	14550	6859	15123	V13	V17	U20
KOMATSU	WA95-3	LOADER	7398	16313	5819	12830	V13	V17	U20
KOMATSU	D31S-17	LOADER	6220	13714	7179	15830	V13	V17	V17
KOMATSU	PC40-2 MR	BACKHOE	3460	7630	4789	10560	V13	V17	V17
KOMATSU	PC45	BACKHOE	4129	9105	4820	10628	V13	V17	V17
KOMATSU	PC45 MRX	BACKHOE	3751	8270	4671	10300	V13	V17	V17
KOMATSU	PC45-8E R	BACKHOE	4229	9325	4614	10174	V13	V17	V17
KOMATSU	PC50-2 MR	BACKHOE	3980	8775	5039	11110	V13	V17	V17
KOMATSU	PC55-3 MR	BACKHOE	3977	8770	5160	11378	V13	V17	V17
KOMATSU	PC58-3 UU	BACKHOE	4000	8820	5234	11540	V13	V17	V17
KOMATSU	WA90	LOADER	5899	13008	5700	12569	V13	V17	V17
KOMATSU	WB140-2	LOADER	5800	12790	7528	16600	V13	V17	V17
KOMATSU	WB140-2N	LOADER	5800	12790	8948	19731	V13	V17	V17
KOMATSU	WB140PS-2N	LOADER	5800	12790	8948	19731	V13	V17	V17
KOMATSU	WB146-5	LOADER	5997	13224	7297	16090	V13	V17	V17
KOMATSU	WB146-5 PS	LOADER	5997	13224	7297	16090	V13	V17	V17
KOMATSU	WB150-2	LOADER	6270	13825	7888	17394	V13	V17	V17
KOMATSU	WB150-2 AWS	LOADER	6270	13825	8948	19731	V13	V17	V17
KOMATSU	WB150-2N	LOADER	6270	13825	8948	19731	V13	V17	V17
KOMATSU	WB150-2N AWS	LOADER	6270	13825	8948	19731	V13	V17	V17
KOMATSU	WB150AWS-2N	LOADER	6270	13825	8948	19731	V13	V17	V17
KOMATSU	WB150PS-2N	LOADER	6270	13825	8948	19731	V13	V17	V17
KOMATSU	WB156-5	LOADER	5997	13224	7497	16530	V13	V17	V17
KOMATSU	WB156PS-5	LOADER	5997	13224	7497	16530	V13	V17	V17
KOMATSU	WA120-1	LOADER	8830	19470	8150	17970	V17	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KOMATSU	WA120-3	LOADER	7383	16280	8213	18110	V17	V17	U20
KOMATSU	WA120-3 L	LOADER	7383	16280	8213	18110	V17	V17	U20
KOMATSU	WA150-5	LOADER	8009	17659	7914	17450	V17	V17	U20
KOMATSU	WA150-6	LOADER	8009	17660	7914	17450	V17	V17	U20
KOMATSU	PC1000-1	BACKHOE	58489	128968	98005	216100	U60	--	--
KOMATSU	PC1100-6 LC	BACKHOE	58490	128970	96664	213145	U60	--	--
KOMATSU	PC1250-11 LC	BACKHOE	48794	107590	123628	272600	U60	--	--
KOMATSU	PC1250-11 SP	BACKHOE	58100	128110	120590	265900	U60	--	--
KOMATSU	PC1250-8R SP	BACKHOE	51202	112900	110880	244490	U60	--	--
KOMATSU	PC1400	BACKHOE	51020	112500	140000	308700	U60	--	--
KOMATSU	WA800-2	LOADER	81587	179900	92070	203014	U60	--	--
KOMATSU (DEMAG)	H30	BACKHOE	17537	38669	29995	66138	U30	U35	U40
KOMATSU (DEMAG)	H55	BACKHOE	22349	49280	52825	116480	U40	U45	U55
KOMATSU (DEMAG)	H55	HYD FACE SHOVEL	33700	74309	55000	121275	U55	U55	U60
KOMATSU (DEMAG)	H65	HYD FACE SHOVEL	37007	81600	68934	152000	U55	U55	U60
KOMATSU (DEMAG)	H65	BACKHOE	32499	71660	68934	152000	U45	U55	U60
KOMATSU (DEMAG)	H121	HYD FACE SHOVEL	46984	103600	120181	265000	U60	U60	--
KOMATSU (DEMAG)	H95	HYD FACE SHOVEL	51020	112500	93002	205070	U60	U60	--
KOMATSU (DEMAG)	H85	HYD FACE SHOVEL	41995	92600	85261	188000	U60	U60	U60
KOMATSU (DEMAG)	H85	BACKHOE	31610	69700	86395	190500	U55	U60	U60
KOMATSU (DEMAG)	H95	BACKHOE	35760	78850	92000	202860	U55	U60	U60
KOMATSU (DEMAG)	H121	BACKHOE	49992	110232	120181	265000	U60	--	--
KOMATSU (DEMAG)	H135	BACKHOE	50000	110250	129146	284768	U60	--	--
KOMATSU (DEMAG)	H135S	BACKHOE	51020	112500	137324	302800	U60	--	--
KUBOTA	KX080-3	BACKHOE	6649	14660	8839	19489	V17	U20	U25
KUBOTA	B20	TLB	1410	3108	1675	3693	V13	V13	V13
KUBOTA	B21	TLB	1410	3110	1740	3836	V13	V13	V13
KUBOTA	B26	TLB	1910	4211	1815	4001	V13	V13	V13
KUBOTA	KH170	TLB	3151	6947	5660	12481	V13	V13	V13
KUBOTA	KH35	TLB	858	1892	1224	2700	V13	V13	V13
KUBOTA	KH60	TLB	1865	4112	2829	6239	V13	V13	V13
KUBOTA	L35	TLB	2254	4971	2720	5997	V13	V13	V13
KUBOTA	L39	TLB	2642	5825	3169	6987	V13	V13	V13
KUBOTA	L45	TLB	2642	5825	3253	7173	V13	V13	V13
KUBOTA	L48	TLB	2679	5908	3519	7760	V13	V13	V13
KUBOTA	R310	TLB	1565	3450	2259	4980	V13	V13	V13
KUBOTA	R400	TLB	2347	5176	3020	6658	V13	V13	V13
KUBOTA	R400B	TLB	2350	5181	3466	7643	V13	V13	V13
KUBOTA	R410	TLB	2669	5885	2754	6073	V13	V13	V13
KUBOTA	R410-R41	TLB	2669	5885	3170	6990	V13	V13	V13
KUBOTA	R420	TLB	1859	4100	3379	7450	V13	V13	V13
KUBOTA	R420S	TLB	1859	4100	3379	7450	V13	V13	V13
KUBOTA	R510	TLB	2971	6550	3893	8585	V13	V13	V13
KUBOTA	R520	TLB	1859	4100	4073	8980	V13	V13	V13
KUBOTA	R520S	TLB	1859	4100	4073	8980	V13	V13	V13
KUBOTA	SVL75	SKID-STEER	2830	6240	4224	9315	V13	V13	V13
KUBOTA	SVL90	SKID-STEER	3610	7961	5124	11299	V13	V13	V13
KUBOTA	B21	LOADER	700	1543	1740	3836	V13	V13	V13
KUBOTA	B26	LOADER	1063	2344	1815	4001	V13	V13	V13
KUBOTA	K008	BACKHOE	897	1978	866	1910	V13	V13	V13
KUBOTA	K008-3	BACKHOE	998	2200	998	2200	V13	V13	V13
KUBOTA	KX101	BACKHOE	2694	5940	3764	8300	V13	V13	V13
KUBOTA	KX36	BACKHOE	1244	2743	1435	3164	V13	V13	V13
KUBOTA	KX36-2	BACKHOE	1244	2743	1410	3109	V13	V13	V13
KUBOTA	KX41	BACKHOE	1274	2810	1639	3615	V13	V13	V13
KUBOTA	KX41-2	BACKHOE	1277	2815	1668	3679	V13	V13	V13
KUBOTA	KX41-2SV	BACKHOE	1483	3269	1683	3710	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
KUBOTA	KX41-3V	BACKHOE	1590	3505	1675	3693	V13	V13	V13
KUBOTA	KX61-2	BACKHOE	1800	3968	2704	5963	V13	V13	V13
KUBOTA	KX61-2S	BACKHOE	1244	2743	2941	6485	V13	V13	V13
KUBOTA	KX71	BACKHOE	2474	5455	2995	6605	V13	V13	V13
KUBOTA	KX71-2	BACKHOE	2518	5553	3190	7034	V13	V13	V13
KUBOTA	KX71-3	BACKHOE	2880	6350	2971	6550	V13	V13	V13
KUBOTA	KX71-3S	BACKHOE	2880	6350	2859	6305	V13	V13	V13
KUBOTA	KX91-2	BACKHOE	1244	2743	3239	7143	V13	V13	V13
KUBOTA	L39	LOADER	1615	3560	3169	6987	V13	V13	V13
KUBOTA	L45	LOADER	2054	4530	3253	7173	V13	V13	V13
KUBOTA	L48	LOADER	1984	4375	3519	7760	V13	V13	V13
KUBOTA	M59	LOADER	2703	5961	3785	8345	V13	V13	V13
KUBOTA	R310	LOADER	1529	3372	2447	5395	V13	V13	V13
KUBOTA	R400	LOADER	2345	5171	3020	6658	V13	V13	V13
KUBOTA	R410	LOADER	2651	5845	3406	7510	V13	V13	V13
KUBOTA	R420	LOADER	2971	6550	3379	7450	V13	V13	V13
KUBOTA	R420S	LOADER	2971	6550	3379	7450	V13	V13	V13
KUBOTA	R510	LOADER	2957	6520	4510	9945	V13	V13	V13
KUBOTA	R520	LOADER	3367	7425	4073	8980	V13	V13	V13
KUBOTA	R520S	LOADER	3367	7425	4073	8980	V13	V13	V13
KUBOTA	U15	BACKHOE	1550	3417	1680	3704	V13	V13	V13
KUBOTA	U17	BACKHOE	1550	3417.2	1730	3814	V13	V13	V13
KUBOTA	U20	BACKHOE	1621	3574	1950	4300	V13	V13	V13
KUBOTA	U25	BACKHOE	2615	5765	2551	5625	V13	V13	V13
KUBOTA	U25S	BACKHOE	2615	5765	2551	5625	V13	V13	V13
KUBOTA	KX121-2	BACKHOE	2870	6328	3844	8477	V13	V13	V17
KUBOTA	KX161-2	BACKHOE	3334	7352	4989	11001	V13	V13	V17
KUBOTA	KX91-3	BACKHOE	3655	8059	3224	7110	V13	V13	V17
KUBOTA	KX91-3S2	BACKHOE	3655	8059	3519	7760	V13	V13	V17
KUBOTA	M59	TLB	3448	7602	3785	8345	V17	V17	V17
KUBOTA	KX057-4	BACKHOE	5069	11177	5889	12985	V13	V17	U20
KUBOTA	KX161-3S	BACKHOE	5042	11118	5305	11698	V13	V17	U20
KUBOTA	U55	BACKHOE	5069	11177	5760	12700	V13	V17	U20
KUBOTA	KH191	BACKHOE	3507	7734	5940	13098	V13	V17	V17
KUBOTA	KX121-3	BACKHOE	3970	8754	4420	9745	V13	V17	V17
KUBOTA	KX121-3S	BACKHOE	3970	8754	4200	9261	V13	V17	V17
KUBOTA	KX151	BACKHOE	3528	7780	5540	12215	V13	V17	V17
KUBOTA	U35	BACKHOE	3808	8397	3844	8477	V13	V17	V17
KUBOTA	U35S2	BACKHOE	3808	8397	3944	8697	V13	V17	V17
KUBOTA	U45	BACKHOE	4392	9685	5274	11630	V13	V17	V17
KUBOTA	U45S	BACKHOE	4392	9684.9	5279	11640	V13	V17	V17
LETOURNEAU	L600DIE	LOADER	43843	96673	59048	130200	U40	U45	U55
LETOURNEAU	L800	LOADER	53529	118031	84444	186200	U45	U55	U60
LETOURNEAU	D950	LOADER	72562	160000	107256	236500	U55	U60	--
LETOURNEAU	L1000	LOADER	68027	150000	106122	234000	U55	U60	--
LETOURNEAU	L1000B	LOADER	63521	140063	99773	220000	U55	U60	--
LETOURNEAU	L950	LOADER	72562	160000	107256	236500	U55	U60	--
LETOURNEAU	L1100	LOADER	83900	185000	137415	303000	U60	--	--
LETOURNEAU	L1350	LOADER	98020	216135	183673	405000	U60	--	--
LIEBHERR	521	LOADER	10196	22482	9143	20160	V17	U20	U25
LIEBHERR	531	LOADER	10196	22482	10870	23968	V17	U20	U25
LIEBHERR	A308	BACKHOE	5914	13040	9500	20948	V17	U20	U25
LIEBHERR	A310	BACKHOE	5600	12348	10400	22932	V17	U20	U25
LIEBHERR	L512	LOADER	9499	20946	7300	16097	V17	U20	U25
LIEBHERR	L512 Z-BAR	LOADER	9686	21358	7490	16515	V17	U20	U25
LIEBHERR	L521	LOADER	10196	22482	9531	21015	V17	U20	U25
LIEBHERR	L522 Z-BAR	LOADER	10400	22932	9175	20231	V17	U20	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
LIEBHERR	L524	LOADER	9278	20458	12818	28263	V17	U20	U25
LIEBHERR	L542	LOADER	10705	23605	14922	32904	V17	U20	U25
LIEBHERR	LR611	LOADER	9501	20950	12426	27400	V17	U20	U25
LIEBHERR	LR611M	LOADER	11791	26000	12971	28600	V17	U20	U25
LIEBHERR	LR614	LOADER	9682	21348	12002	26464	V17	U20	U25
LIEBHERR	LR621	LOADER	10884	24000	14331	31600	V17	U20	U25
LIEBHERR	R308	BACKHOE	5914	13040	9800	21609	V17	U20	U25
LIEBHERR	R310	BACKHOE	5600	12348	10500	23153	V17	U20	U25
LIEBHERR	541	LOADER	12235	26978	12190	26880	U20	U25	U25
LIEBHERR	A310B	BACKHOE	6831	15063	11498	25353	U20	U25	U25
LIEBHERR	A900 LITRO	BACKHOE	8400	18522	12500	27563	U20	U25	U25
LIEBHERR	L531	LOADER	11623	25629	11760	25930	U20	U25	U25
LIEBHERR	L531B	LOADER	12031	26529	11390	25115	U20	U25	U25
LIEBHERR	L538	LOADER	11521	25403	14317	31570	U20	U25	U25
LIEBHERR	L554	LOADER	11725	25854	17517	38625	U20	U25	U25
LIEBHERR	LR622B	LOADER	12230	26968	16130	35567	U20	U25	U25
LIEBHERR	R310B	BACKHOE	6699	14771	13800	30429	U20	U25	U25
LIEBHERR	A312	BACKHOE	9800	21610	12780	28180	U20	U25	U30
LIEBHERR	A312 LITRO	BACKHOE	9839	21695	12780	28180	U20	U25	U30
LIEBHERR	A900 EW	BACKHOE	9380	20683	15000	33075	U20	U25	U30
LIEBHERR	A902	BACKHOE	8000	17640	15420	34000	U20	U25	U30
LIEBHERR	L544	LOADER	13197	29100	15633	34470	U20	U25	U30
LIEBHERR	L550	LOADER	12744	28101	16742	36916	U20	U25	U30
LIEBHERR	L556	LOADER	13254	29225	17437	38448	U20	U25	U30
LIEBHERR	LR321C	LOADER	12290	27100	14467	31900	U20	U25	U30
LIEBHERR	LR621B	LOADER	14299	31529	13696	30200	U20	U25	U30
LIEBHERR	LR621C-M	LOADER	14286	31500	14422	31800	U20	U25	U30
LIEBHERR	LR622 LITRO	LOADER	12275	27066	17007	37500	U20	U25	U30
LIEBHERR	LR624	LOADER	14065	31013	18546	40893	U20	U25	U30
LIEBHERR	R312	BACKHOE	9839	21695	15200	33516	U20	U25	U30
LIEBHERR	R900	BACKHOE	8361	18435	18000	39690	U20	U25	U30
LIEBHERR	R900 LITRO	BACKHOE	8400	18522	13800	30429	U20	U25	U30
LIEBHERR	R900B	BACKHOE	8601	18965	13152	29000	U20	U25	U30
LIEBHERR	R902	BACKHOE	10399	22930	16701	36825	U20	U25	U30
LIEBHERR	LR631	LOADER	16517	36421	17415	38400	U25	U25	U30
LIEBHERR	LR631B	LOADER	16517	36421	17676	38976	U25	U25	U30
LIEBHERR	LR631C	LOADER	16508	36400	17914	39500	U25	U25	U30
LIEBHERR	551	LOADER	18251	40243	20317	44800	U25	U30	U30
LIEBHERR	A316 LITRO	BACKHOE	10023	22100	16497	36376	U25	U30	U30
LIEBHERR	L541B	LOADER	16517	36421	21100	46526	U25	U30	U30
LIEBHERR	L551	LOADER	18353	40468	21160	46658	U25	U30	U30
LIEBHERR	L551B	LOADER	16517	36421	21100	46526	U25	U30	U30
LIEBHERR	L580	LOADER	17842	39342	24796	54675	U25	U30	U30
LIEBHERR	LR632 LITRO	LOADER	18039	39777	21769	48000	U25	U30	U30
LIEBHERR	LR632B	LOADER	18753	41350	21896	48280	U25	U30	U30
LIEBHERR	LR634	LOADER	18345	40451	22690	50032	U25	U30	U30
LIEBHERR	A900C LITRO	BACKHOE	11042	24347	18594	41000	U25	U30	U35
LIEBHERR	A902 EW	BACKHOE	12235	26978	16501	36384	U25	U30	U35
LIEBHERR	A902 LITRO	BACKHOE	11700	25799	17000	37485	U25	U30	U35
LIEBHERR	A904 LITRO	BACKHOE	12898	28440	20621	45470	U25	U30	U35
LIEBHERR	A912	BACKHOE	13810	30450	19551	43110	U25	U30	U35
LIEBHERR	L564	LOADER	18862	41590	22400	49392	U25	U30	U35
LIEBHERR	L566	LOADER	20391	44962	22856	50398	U25	U30	U35
LIEBHERR	L574	LOADER	19372	42716	24416	53837	U25	U30	U35
LIEBHERR	L576	LOADER	19372	42716	24256	53484	U25	U30	U35
LIEBHERR	LR641	LOADER	20499	45200	27982	61700	U25	U30	U35
LIEBHERR	R902 HD SL	BACKHOE	13254	29226	20150	44431	U25	U30	U35

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
LIEBHERR	R902 LITRO	BACKHOE	11700	25799	18000	39690	U25	U30	U35
LIEBHERR	R904	BACKHOE	12888	28417	19650	43328	U25	U30	U35
LIEBHERR	R904 HD-SL	BACKHOE	12888	28417	20150	44431	U25	U30	U35
LIEBHERR	R904 LITRO	BACKHOE	12898	28440	20698	45640	U25	U30	U35
LIEBHERR	R912 LITRO	BACKHOE	13810	30450	22041	48600	U25	U30	U35
LIEBHERR	LR641B	LOADER	20800	45863	25397	56000	U30	U30	U35
LIEBHERR	R922	BACKHOE	13810	30450	24558	54150	U30	U35	U35
LIEBHERR	A904C LITRO	BACKHOE	14131	31159	20794	45850	U30	U35	U40
LIEBHERR	A912 EW	BACKHOE	16721	36870	18594	41000	U30	U35	U40
LIEBHERR	A912 LITRO	BACKHOE	16689	36800	19365	42700	U30	U35	U40
LIEBHERR	A914 LITRO	BACKHOE	16299	35940	20748	45750	U30	U35	U40
LIEBHERR	A914B LITRO	BACKHOE	14603	32200	21701	47850	U30	U35	U40
LIEBHERR	A914C LITRO	BACKHOE	16119	35542	22540	49700	U30	U35	U40
LIEBHERR	A922	BACKHOE	15000	33075	20862	46000	U30	U35	U40
LIEBHERR	A922 LITRO	BACKHOE	16689	36800	22041	48600	U30	U35	U40
LIEBHERR	A924 LITRO	BACKHOE	16299	35940	22980	50670	U30	U35	U40
LIEBHERR	A924B LITRO	BACKHOE	16100	35500	24308	53600	U30	U35	U40
LIEBHERR	A924C LITRO	BACKHOE	16119	35542	25306	55800	U30	U35	U40
LIEBHERR	A932 LITRO	BACKHOE	17000	37485	26000	57330	U30	U35	U40
LIEBHERR	L586	LOADER	23959	52830	32904	72554	U30	U35	U40
LIEBHERR	R904C LITRO	BACKHOE	14966	33000	21691	47829	U30	U35	U40
LIEBHERR	R906 LITRO	BACKHOE	15294	33723	24410	53824	U30	U35	U40
LIEBHERR	R912	BACKHOE	14884	32820	22395	49380	U30	U35	U40
LIEBHERR	R912 HD S	BACKHOE	16721	36870	21100	46526	U30	U35	U40
LIEBHERR	R912 HD SL	BACKHOE	16721	36870	22524	49666	U30	U35	U40
LIEBHERR	R914	BACKHOE	14988	33049	21300	46967	U30	U35	U40
LIEBHERR	R914 HD-SL	BACKHOE	14988	33049	10091	22250	U30	U35	U40
LIEBHERR	R914 LITRO	BACKHOE	16195	35710	22748	50160	U30	U35	U40
LIEBHERR	R914B LITRO	BACKHOE	16100	35500	25095	55335	U30	U35	U40
LIEBHERR	R914C LITRO	BACKHOE	16797	37037	24510	54045	U30	U35	U40
LIEBHERR	R917 HD-S	BACKHOE	14988	33049	22050	48620	U30	U35	U40
LIEBHERR	R922 LITRO	BACKHOE	13800	30429	24700	54464	U30	U35	U40
LIEBHERR	R924 COMPACT	BACKHOE	14397	31746	27845	61398	U30	U35	U40
LIEBHERR	R924B LITRO	BACKHOE	14885	32821	25095	55335	U30	U35	U40
LIEBHERR	R924D TUNNEL DEVICE	BACKHOE	14300	31531.5	32440	71530	U30	U35	U40
LIEBHERR	R932	BACKHOE	15937	35140	26210	57792	U30	U35	U40
LIEBHERR	R932 LITRO	BACKHOE	17000	37485	26000	57330	U30	U35	U40
LIEBHERR	R934 HD-S	BACKHOE	16785	37010	27900	61520	U30	U35	U40
LIEBHERR	R934 HD-SL	BACKHOE	16785	37010	28000	61740	U30	U35	U40
LIEBHERR	R934C MU LITRO	BACKHOE	14376	31698	33794	74516	U30	U35	U40
LIEBHERR	A942	BACKHOE	17687	39000	29751	65600	U35	U40	U40
LIEBHERR	R916 LITRO	BACKHOE	18249	40240	27245	60076	U35	U40	U45
LIEBHERR	R924 LITRO	BACKHOE	18673	41175	24794	54670	U35	U40	U45
LIEBHERR	R924C LITRO	BACKHOE	18251	40243	28335	62478	U35	U40	U45
LIEBHERR	R926	BACKHOE	19677	43388	28295	62390	U35	U40	U45
LIEBHERR	R926 LITRO	BACKHOE	19575	43163	28095	61950	U35	U40	U45
LIEBHERR	R926LC	BACKHOE	19677	43388	28295	62391	U35	U40	U45
LIEBHERR	R930	BACKHOE	20798	45860	31193	68780	U35	U40	U45
LIEBHERR	R932 HD S	BACKHOE	20596	45414	27000	59535	U35	U40	U45
LIEBHERR	R932 HS SL	BACKHOE	20596	45414	27250	60086	U35	U40	U45
LIEBHERR	R934	BACKHOE	20102	44325	28594	63050	U35	U40	U45
LIEBHERR	R934 LITRO	BACKHOE	20102	44325	28594	63050	U35	U40	U45
LIEBHERR	R934B LITRO	BACKHOE	16798	37040	31293	69000	U35	U40	U45
LIEBHERR	R934C LITRO	BACKHOE	20796	45855	33295	73415	U35	U40	U45
LIEBHERR	R936 LITRO	BACKHOE	16925	37320	32946	72645	U35	U40	U45
LIEBHERR	R942	BACKHOE	18340	40440	30159	66500	U35	U40	U45
LIEBHERR	R942 LITRO	BACKHOE	18300	40352	31900	70340	U35	U40	U45

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
LIEBHERR	R944 HD-S	BACKHOE	19882	43840	34300	75632	U35	U40	U45
LIEBHERR	R944 HD-SL	BACKHOE	19882	43840	34400	75852	U35	U40	U45
LIEBHERR	R944C MU LITRO	BACKHOE	18250	40241	47078	103808	U35	U40	U45
LIEBHERR	R952	BACKHOE	21044	46401	41950	92500	U35	U40	U45
LIEBHERR	R954C MU LITRO	BACKHOE	18760	41365	57007	125700	U35	U40	U45
LIEBHERR	R942 HD S	BACKHOE	23552	51933	33250	73316	U40	U45	U55
LIEBHERR	R942 HD SL	BACKHOE	23552	51933	33450	73757	U40	U45	U55
LIEBHERR	R944 LITRO	BACKHOE	22959	50625	34993	77160	U40	U45	U55
LIEBHERR	R944B LITRO	BACKHOE	22896	50485	38844	85650	U40	U45	U55
LIEBHERR	R944C LITRO	BACKHOE	20897	46077	41043	90500	U40	U45	U55
LIEBHERR	R945	BACKHOE	24268	53510	45692	100750	U40	U45	U55
LIEBHERR	R950 SME LITRO	BACKHOE	25998	57325	44794	98770	U40	U45	U55
LIEBHERR	R954	BACKHOE	23052	50830	48526	107000	U40	U45	U55
LIEBHERR	R954 HI LIFT	BACKHOE	26509	58453	46200	101871	U40	U45	U55
LIEBHERR	R954V	BACKHOE	26509	58453	47600	104958	U40	U45	U55
LIEBHERR	R962	BACKHOE	25057	55250	48526	107000	U40	U45	U55
LIEBHERR	R952	HYD FACE SHOVEL	26077	57500	48118	106100	U55	U55	U55
LIEBHERR	R954C LITRO	HYD FACE SHOVEL	36194	79807	54490	120150	U55	U55	U60
LIEBHERR	R954C SME LITRONIC	HYD FACE SHOVEL	36194	79807	62089	136907	U55	U55	U60
LIEBHERR	R964 LITRO	HYD FACE SHOVEL	36585	80670	58971	130030	U55	U55	U60
LIEBHERR	R972 HD	HYD FACE SHOVEL	32508	71680	64711	142688	U55	U55	U60
LIEBHERR	R954 LITRO	BACKHOE	29082	64125	47642	105050	U45	U55	U55
LIEBHERR	R954B LITRO	BACKHOE	29082	64125	54948	121160	U45	U55	U55
LIEBHERR	R964 LITRO	BACKHOE	26562	58570	58032	127960	U45	U55	U55
LIEBHERR	R946 LITRO	BACKHOE	30586	67443	40993	90389	U45	U55	U60
LIEBHERR	R972	BACKHOE	31070	68510	66576	146800	U45	U55	U60
LIEBHERR	R982	BACKHOE	31898	70336	71213	157024	U45	U55	U60
LIEBHERR	R974B LITRO	HYD FACE SHOVEL	46897	103408	88160	194393	U60	U60	--
LIEBHERR	R974C LITRO	HYD FACE SHOVEL	46899	103412	92186	203270	U60	U60	--
LIEBHERR	R984	HYD FACE SHOVEL	50973	112396	92063	203000	U60	U60	--
LIEBHERR	R984 LITRO	HYD FACE SHOVEL	56083	123662	110000	242550	U60	U60	--
LIEBHERR	R984B LITRO	HYD FACE SHOVEL	56073	123640	114286	252000	U60	U60	--
LIEBHERR	R964B LITRO	HYD FACE SHOVEL	37722	83176	69070	152300	U60	U60	U60
LIEBHERR	R964C LITRO	HYD FACE SHOVEL	37723	83180	69987	154321	U60	U60	U60
LIEBHERR	R964C SME LITRO	HYD FACE SHOVEL	37723	83180	78285	172619	U60	U60	U60
LIEBHERR	R974	HYD FACE SHOVEL	40766	89888	69660	153600	U60	U60	U60
LIEBHERR	R974 LITRO	HYD FACE SHOVEL	45886	101178	80000	176400	U60	U60	U60
LIEBHERR	R982	HYD FACE SHOVEL	42667	94080	88076	194208	U60	U60	U60
LIEBHERR	R974B LITRO	BACKHOE	41290	91044	90272	199050	U55	U60	--
LIEBHERR	R974C LITRO	BACKHOE	45349	99995	93184	205470	U55	U60	--
LIEBHERR	R974C SME LITRO	BACKHOE	47327	104356	101481	223765	U55	U60	--
LIEBHERR	R976 LITRO	BACKHOE	49448	109032.37	95500	210577.5	U55	U60	--
LIEBHERR	R984	BACKHOE	50243	110786	88390	194900	U55	U60	--
LIEBHERR	R954C LITRO	BACKHOE	35204	77625	60389	133157	U55	U60	U60
LIEBHERR	R954C SME LITRO	BACKHOE	35294	77823	60389	133157	U55	U60	U60
LIEBHERR	R956 LITRO	BACKHOE	35174	77559	57100	125906	U55	U60	U60
LIEBHERR	R960 SME LITRO	BACKHOE	35174	77559	57100	125906	U55	U60	U60
LIEBHERR	R964B LITRO	BACKHOE	33541	73959	69270	152740	U55	U60	U60
LIEBHERR	R964C LITRO	BACKHOE	36296	80032	73886	162919	U55	U60	U60
LIEBHERR	R964C SME LITRO	BACKHOE	37755	83250	78285	172619	U55	U60	U60
LIEBHERR	R966 LITRO	BACKHOE	36092	79582.386	76300	168241.5	U55	U60	U60
LIEBHERR	R970 SME LITRO	BACKHOE	39966	88125.128	78600	173313	U55	U60	U60
LIEBHERR	R974	BACKHOE	37197	82020	67800	149500	U55	U60	U60
LIEBHERR	R974 LITRO	BACKHOE	40787	89936	75000	165375	U55	U60	U60
LIEBHERR	508	LOADER	3671	8094	5079	11200	V13	V13	V13
LIEBHERR	L504	LOADER	2243	4946	3410	7519	V13	V13	V13
LIEBHERR	L506 Z-BAR	LOADER	4282	9442	4600	10143	V13	V13	V13

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
LIEBHERR	L507 Z-BAR	LOADER	4282	9442	4870	10738	V13	V13	V13
LIEBHERR	L508 Z-BAR	LOADER	5710	12590	5135	11323	V13	V13	V17
LIEBHERR	L509 Z-BAR	LOADER	5710	12590	5509	12147	V13	V17	V17
LIEBHERR	511	LOADER	8972	19784	8127	17920	V17	V17	U20
LIEBHERR	L511	LOADER	7647	16862	8422	18570	V17	V17	U20
LIEBHERR	L528	LOADER	8156	17985	13253	29222	V17	V17	U20
LIEBHERR	R9100	BACKHOE	52200	115102	110081	242729	U60	--	--
LIEBHERR	R980 SME LITRO	BACKHOE	51793	114202.97	97800	215649	U60	--	--
LIEBHERR	R984 LITRO	BACKHOE	50984	112420	105000	231525	U60	--	--
LIEBHERR	R984B LITRO	BACKHOE	51483	113520	114372	252190	U60	--	--
LIEBHERR	R984C LITRO	BACKHOE	56075	123645	123379	272050	U60	--	--
LIEBHERR	R991	BACKHOE	52118	114920	160063	352940	U60	--	--
LIEBHERR	R992	BACKHOE	52018	114700	137914	304100	U60	--	--
LINK-BELT	1600Q	BACKHOE	5601	12350	6999	15432	V17	U20	U20
LINK-BELT	75	BACKHOE	5800	12790	8249	18188	V17	U20	U20
LINK-BELT	80	BACKHOE	5800	12790	8429	18585	V17	U20	U20
LINK-BELT	210LX LF	BACKHOE	6626	14610	21587	47600	V17	U20	U25
LINK-BELT	210X2 LF	BACKHOE	6626	14610	22998	50710	V17	U20	U25
LINK-BELT	210X4 LF	BACKHOE	6621	14600	23537	51900	V17	U20	U25
LINK-BELT	2800Q LF	BACKHOE	5900	13010	21401	47190	V17	U20	U25
LINK-BELT	L120	LOADER	8666	19108	9300	20507	V17	U20	U25
LINK-BELT	L125	LOADER	9991	22031	11298	24912	V17	U20	U25
LINK-BELT	LS2800CII LF	BACKHOE	5900	13010	21197	46740	V17	U20	U25
LINK-BELT	3400Q LF	BACKHOE	7002	15440	27800	61300	U20	U25	U25
LINK-BELT	LS2650CII	BACKHOE	7600	16757	12100	26681	U20	U25	U25
LINK-BELT	LS3400CII LF	BACKHOE	7000	15435	26400	58212	U20	U25	U25
LINK-BELT	LS4300CII WLF	BACKHOE	7361	16231	36417	80300	U20	U25	U25
LINK-BELT	130LX	BACKHOE	9147	20170	12290	27100	U20	U25	U30
LINK-BELT	130X2	BACKHOE	9687	21360	12898	28440	U20	U25	U30
LINK-BELT	130X3	BACKHOE	9687	21360	12998	28660	U20	U25	U30
LINK-BELT	130X4	BACKHOE	9705	21400	13832	30500	U20	U25	U30
LINK-BELT	135	BACKHOE	9147	20170	14298	31526	U20	U25	U30
LINK-BELT	145X4	BACKHOE	9705	21400	15238	33600	U20	U25	U30
LINK-BELT	240LX LF	BACKHOE	7850	17310	27710	61100	U20	U25	U30
LINK-BELT	240X2 LF	BACKHOE	7850	17310	27995	61729	U20	U25	U30
LINK-BELT	250X3 LF	BACKHOE	8422	18570	28095	61950	U20	U25	U30
LINK-BELT	250X4 LF	BACKHOE	7846	17300	28844	63600	U20	U25	U30
LINK-BELT	2650Q	BACKHOE	8698	19180	12880	28400	U20	U25	U30
LINK-BELT	2700Q	BACKHOE	10299	22710	15982	35240	U20	U25	U30
LINK-BELT	290X2 LF	BACKHOE	8163	18000	29796	65700	U20	U25	U30
LINK-BELT	L130	LOADER	12642	27876	13744	30305	U20	U25	U30
LINK-BELT	LS2700CII	BACKHOE	9000	19844	15400	33957	U20	U25	U30
LINK-BELT	160LX	BACKHOE	11420	25180	16417	36200	U25	U30	U35
LINK-BELT	160X2	BACKHOE	12032	26530	17098	37700	U25	U30	U35
LINK-BELT	160X3	BACKHOE	12032	26530	17197	37919	U25	U30	U35
LINK-BELT	160X4	BACKHOE	12018	26500	17415	38400	U25	U30	U35
LINK-BELT	210LX	BACKHOE	13243	29200	20317	44800	U25	U30	U35
LINK-BELT	2800Q	BACKHOE	12698	28000	20544	45300	U25	U30	U35
LINK-BELT	LS2800CII	BACKHOE	11100	24476	19700	43439	U25	U30	U35
LINK-BELT	210X2	BACKHOE	15497	34170	21497	47400	U30	U35	U40
LINK-BELT	210X3	BACKHOE	15497	34170	21696	47840	U30	U35	U40
LINK-BELT	210X4	BACKHOE	15692	34600	22177	48900	U30	U35	U40
LINK-BELT	225	BACKHOE	14376	31700	24396	53793	U30	U35	U40
LINK-BELT	240LX	BACKHOE	16313	35970	23900	52700	U30	U35	U40
LINK-BELT	240X2	BACKHOE	17741	39120	24896	54895	U30	U35	U40
LINK-BELT	250X3	BACKHOE	17741	39120	25096	55336	U30	U35	U40
LINK-BELT	290LX	BACKHOE	16313	35970	29206	64400	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
LINK-BELT	3400Q	BACKHOE	15401	33960	24122	53190	U30	U35	U40
LINK-BELT	3900Q	BACKHOE	14108	31109	28526	62900	U30	U35	U40
LINK-BELT	LS3400CII	BACKHOE	13098	28880	23995	52910	U30	U35	U40
LINK-BELT	250X4	BACKHOE	17946	39570	25805	56900	U35	U40	U40
LINK-BELT	LS4300	BACKHOE	16697	36817	31195	68784	U35	U40	U40
LINK-BELT	290X2	BACKHOE	19392	42760	29796	65700	U35	U40	U45
LINK-BELT	300X3	BACKHOE	19392	42760	29895	65918	U35	U40	U45
LINK-BELT	300X4	BACKHOE	19401	42780	30385	67000	U35	U40	U45
LINK-BELT	4300Q	BACKHOE	19497	42990	33365	73570	U35	U40	U45
LINK-BELT	LS4300CII	BACKHOE	17596	38800	30895	68123	U35	U40	U45
LINK-BELT	LS5800A	BACKHOE	20499	45200	45791	100970	U35	U40	U45
LINK-BELT	330LX	BACKHOE	23329	51440	35601	78500	U40	U45	U55
LINK-BELT	350X2	BACKHOE	25324	55840	35894	79146	U40	U45	U55
LINK-BELT	350X3	BACKHOE	25324	55840	36294	80028	U40	U45	U55
LINK-BELT	350X4	BACKHOE	25469	56160	37370	82400	U40	U45	U55
LINK-BELT	5800Q	BACKHOE	24519	54065	45261	99800	U40	U45	U55
LINK-BELT	LS5800CII	BACKHOE	22050	48620	43810	96600	U40	U45	U55
LINK-BELT	460LX	BACKHOE	27528	60700	48092	106042	U45	U55	U55
LINK-BELT	460X2	BACKHOE	27528	60700	47891	105600	U45	U55	U60
LINK-BELT	470X3	BACKHOE	31914	70370	50591	111554	U45	U55	U60
LINK-BELT	490X4	BACKHOE	27528	60700	49070	108200	U45	U55	U60
LINK-BELT	8000Q	BACKHOE	41791	92150	80000	176400	U55	U60	--
LINK-BELT	8000Q ME	BACKHOE	42032	92680	80272	177000	U55	U60	--
LINK-BELT	800LX ME	BACKHOE	47918	105660	80998	178600	U55	U60	--
LINK-BELT	700LX	BACKHOE	32317	71260	69524	153300	U55	U60	U60
LINK-BELT	700X2	BACKHOE	32317	71260	69588	153442	U55	U60	U60
LINK-BELT	750X4	BACKHOE	34054	75090	71791	158300	U55	U60	U60
LINK-BELT	800LX	BACKHOE	36807	81160	80786	178133	U55	U60	U60
LINK-BELT	800X2	BACKHOE	36807	81160	81986	180780	U55	U60	U60
LINK-BELT	LS7400A	BACKHOE	38095	84000	78458	173000	U55	U60	U60
LINK-BELT	LS1600CII	BACKHOE	4800	10583	7357	16222	V13	V17	U20
SANY	SY75C	BACKHOE	5709	12589	7354	16215	V17	U20	U20
SANY	SY135C	BACKHOE	9380	20682	13498	29762	U20	U25	U30
SANY	SY215C	BACKHOE	14070	31024	21496	47399	U30	U35	U40
SANY	SY225C	BACKHOE	12948	28551	24496	54013	U30	U35	U40
SANY	SY235C	BACKHOE	14070	31024	21496	47399	U30	U35	U40
SANY	SY265C	BACKHOE	19065	42039	26995	59525	U35	U40	U45
SANY	SY335C	BACKHOE	22430	49458	34094	75177	U35	U40	U45
SANY	SY365C	BACKHOE	22430	49458	34094	75177	U35	U40	U45
SANY	SY465C	BACKHOE	26712	58900	45492	100310	U40	U45	U55
SANY	SY500H	BACKHOE	28037	61822	54491	120152	U45	U55	U60
TEREX	TX750	TLB	5676	12516	7175	15820	U20	U20	U20
TEREX	TX760	TLB	5676	12516	7175	15820	U20	U20	U20
TEREX	TX760B	TLB	6551	14445	6871	15151	U20	U20	U20
TEREX	TX860B	TLB	6551	14445	7240	15964	U20	U20	U20
TEREX	TX860B ELITE	TLB	7082	15615	7240	15964	U20	U20	U20
TEREX	TX860SB	TLB	5676	12516	7429	16381	U20	U20	U20
TEREX	TX870B	TLB	6551	14445	7703	16986	U20	U20	U20
TEREX	TX970B	TLB	6551	14445	8010	17663	U20	U20	U20
TEREX	HML32	BACKHOE	5247	11570	8798	19400	V17	U20	U20
TEREX	HS41	BACKHOE	5153	11363	8000	17640	V17	U20	U20
TEREX	HS41M	BACKHOE	5153	11363	9000	19845	V17	U20	U20
TEREX	HS41MM	BACKHOE	5153	11363	10000	22050	V17	U20	U20
TEREX	72-31B	LOADER	10502	23156	13308	29344	V17	U20	U25
TEREX	HR32	BACKHOE	5429	11970	7900	17420	V17	U20	U25
TEREX	SKL160H	LOADER	8768	19334	9199	20283	V17	U20	U25
TEREX	TC75	BACKHOE	5429	11970	7749	17086	V17	U20	U25

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
TEREX	TL160	LOADER	8768	19334	9698	21385	V17	U20	U25
TEREX	TL210	LOADER	10807	23830	12998	28660	V17	U20	U25
TEREX	TXL200-1	LOADER	10499	23150	10998	24250	V17	U20	U25
TEREX	TXL200-2	LOADER	10498	23149	11643	25673	V17	U20	U25
TEREX	HML42	BACKHOE	7347	16200	10989	24230	U20	U25	U25
TEREX	SKL260H	LOADER	12235	26978	14900	32855	U20	U25	U25
TEREX	SKL873 SP	LOADER	11077	24425	14000	30870	U20	U25	U25
TEREX	TL260	LOADER	12224	26955	14397	31745	U20	U25	U25
TEREX	TW110	BACKHOE	7347	16200	10989	24230	U20	U25	U25
TEREX	HR42	BACKHOE	8317	18338	12500	27563	U20	U25	U30
TEREX	TC125	BACKHOE	8339	18388	12798	28219	U20	U25	U30
TEREX	TXC140-1 LC	BACKHOE	8299	18300	13878	30600	U20	U25	U30
TEREX	TXC140-2 LC	BACKHOE	9598	21164	13997	30864	U20	U25	U30
TEREX	TXL250-1	LOADER	13197	29100	13796	30420	U20	U25	U30
TEREX	TXL250-2	LOADER	13198	29101	13998	30865	U20	U25	U30
TEREX	TL310	LOADER	15660	34530	17596	38800	U25	U25	U30
TEREX	72-51B	LOADER	17639	38894	18692	41216	U25	U30	U30
TEREX	80C	LOADER	17639	38894	25095	55335	U25	U30	U30
TEREX	TXL300-1	LOADER	18497	40785	17302	38150	U25	U30	U30
TEREX	TXL300-2	LOADER	16517	36419	17297	38140	U25	U30	U30
TEREX	1705M	BACKHOE	13256	29230	15797	34833	U25	U30	U35
TEREX	72-61	LOADER	19474	42941	25905	57120	U25	U30	U35
TEREX	TXC175-1 LC	BACKHOE	11383	25100	17397	38360	U25	U30	U35
TEREX	TXC180-2 LC	BACKHOE	12998	28660	17657	38933	U25	U30	U35
TEREX	TXC225-1 LC	BACKHOE	13107	28900	21497	47400	U25	U30	U35
TEREX	TL450	LOADER	23245	51256	22896	50486	U30	U30	U35
TEREX	TXL400-1	LOADER	21996	48501	22036	48590	U30	U30	U35
TEREX	TXL400-2	LOADER	22430	49458	22496	49604	U30	U30	U35
TEREX	1905M	BACKHOE	12744	28100	18097	39903	U30	U35	U35
TEREX	85B	LOADER	26000	57329	38027	83850	U30	U35	U40
TEREX	TXC225-2 LC	BACKHOE	15197	33510	21497	47400	U30	U35	U40
TEREX	TXC255-1 LC	BACKHOE	15193	33500	24580	54200	U30	U35	U40
TEREX	72-81	LOADER	28447	62725	53537	118048	U35	U35	U40
TEREX	TXL500-2	LOADER	27834	61373	30694	67681	U35	U35	U40
TEREX	2205M	BACKHOE	17946	39570	21150	46636	U35	U40	U40
TEREX	72-71B	LOADER	30995	68345	39721	87584	U35	U40	U45
TEREX	TXC255-2 LC	BACKHOE	18594	41000	24580	54200	U35	U40	U45
TEREX	TXC300-1 LC	BACKHOE	18095	39900	30612	67500	U35	U40	U45
TEREX	TXC300-2 LC	BACKHOE	20396	44974	30195	66579	U35	U40	U45
TEREX	TXC300-2 LC SLR	BACKHOE	20408	45000	30195	66579	U35	U40	U45
TEREX	TXC340-1 LC	BACKHOE	21769	48000	34694	76500	U35	U40	U45
TEREX	TXC340-2 LC	BACKHOE	21696	47840	35194	77603	U35	U40	U45
TEREX	90C	LOADER	37878	83521	44404	97910	U40	U40	U45
TEREX	TXC420-1 LC	BACKHOE	24082	53100	42093	92815	U40	U45	U55
TEREX	TXC420-2 LC	BACKHOE	26995	59524	42395	93480	U40	U45	U55
TEREX	TXC470-1 LC	BACKHOE	27483	60600	47574	104900	U40	U45	U55
TEREX	TXC480-2 LC	BACKHOE	30794	67900	47483	104700	U45	U55	U60
TEREX	RH40E	HYD FACE SHOVEL	50961	112370	105000	231525	U60	U60	--
TEREX	RH40F	HYD FACE SHOVEL	50961	112370	107981	238099	U60	U60	--
TEREX	RH30E	HYD FACE SHOVEL	40784	89928	80700	177944	U60	U60	U60
TEREX	RH30F	HYD FACE SHOVEL	40766	89890	85400	188307	U60	U60	U60
TEREX	RH30F	BACKHOE	42295	93260	89200	196686	U55	U60	--
TEREX	RH40E	BACKHOE	38730	85400	105000	231525	U55	U60	--
TEREX	RH40F	BACKHOE	38730	85400	106981	235894	U55	U60	--
TEREX	RH90-C	LOADER	76440	168550	154195	340000	U55	U60	--
TEREX	RH40E ME	BACKHOE	42807	94390	105000	231525	U55	U60	--
TEREX	RH70	BACKHOE	44844	98880	121977	268960	U55	U60	--

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
TEREX	255	SKID-STEER	3175	7000	3628	8000	V13	V13	V13
TEREX	PT30	SKID-STEER	1633	3600	1633	3600	V13	V13	V13
TEREX	PT50	SKID-STEER	2812	6200	2812	6200	V13	V13	V13
TEREX	PT60	SKID-STEER	2880	6350	2880	6350	V13	V13	V13
TEREX	PT70	SKID-STEER	3578	7890	3578	7890	V13	V13	V13
TEREX	PT80	SKID-STEER	4069	8972	4069	8972	V13	V13	V13
TEREX	TSR50	SKID-STEER	1769	3900	2937	6475	V13	V13	V13
TEREX	TSR60	SKID-STEER	1769	3900	2939	6480	V13	V13	V13
TEREX	TSR70	SKID-STEER	2494	5500	3379	7450	V13	V13	V13
TEREX	TSR80	SKID-STEER	2494	5500	3515	7750	V13	V13	V13
TEREX	TSV50	SKID-STEER	1873	4130	3166	6981	V13	V13	V13
TEREX	TSV60	SKID-STEER	1873	4130	3168	6986	V13	V13	V13
TEREX	TSV70	SKID-STEER	2666	5878	3673	8100	V13	V13	V13
TEREX	TSV80	SKID-STEER	2666	5878	3900	8600	V13	V13	V13
TEREX	PT100	SKID-STEER	4603	10150	4603	10150	V13	V13	V17
TEREX	PT100 FORESTRY	SKID-STEER	5181	11425	5181	11425	V13	V13	V17
TEREX	PT100G	SKID-STEER	5122	11295	5122	11295	V13	V13	V17
TEREX	PT100G FORESTRY	SKID-STEER	5431	11975	5431	11975	V13	V13	V17
TEREX	HR1.5	BACKHOE	1551	3420	1540	3395	V13	V13	V13
TEREX	HR1.6	BACKHOE	1469	3240	1660	3660	V13	V13	V13
TEREX	HR11	BACKHOE	1551	3420	1540	3395	V13	V13	V13
TEREX	HR12	BACKHOE	1469	3240	1660	3660	V13	V13	V13
TEREX	HR13	BACKHOE	1603	3535	2000	4410	V13	V13	V13
TEREX	HR14	BACKHOE	2175	4795	2939	6480	V13	V13	V13
TEREX	HR2.0	BACKHOE	1603	3535	2000	4410	V13	V13	V13
TEREX	HR3.7	BACKHOE	2510	5535	3649	8047	V13	V13	V13
TEREX	SCL515	LOADER	4063	8960	3351	7390	V13	V13	V13
TEREX	SKL814	LOADER	3776	8325	3899	8598	V13	V13	V13
TEREX	SKL824	LOADER	3776	8325	4104	9050	V13	V13	V13
TEREX	TC16	BACKHOE	1469	3240	1720	3792	V13	V13	V13
TEREX	TC20	BACKHOE	1603	3535	2020	4455	V13	V13	V13
TEREX	TC29	BACKHOE	2175	4795	2939	6480	V13	V13	V13
TEREX	TC37	BACKHOE	2510	5535	3649	8047	V13	V13	V13
TEREX	TL60	LOADER	3776	8325	3899	8598	V13	V13	V13
TEREX	TL65	LOADER	3773	8320	4100	9040	V13	V13	V13
TEREX	TX640	LOADER	4008	8838	4712	10390	V13	V13	V13
TEREX	TX650	LOADER	4008	8838	4800	10584	V13	V13	V13
TEREX	TX660	LOADER	4008	8838	4813	10613	V13	V13	V13
TEREX	HR16	BACKHOE	3640	8026	3619	7980	V13	V13	V17
TEREX	HR16E	BACKHOE	3640	8026	3619	7980	V13	V13	V17
TEREX	HR18	BACKHOE	3163	6975	4952	10920	V13	V13	V17
TEREX	SKL834	LOADER	4593	10128	5098	11240	V13	V13	V17
TEREX	SKL844	LOADER	5612	12375	6000	13230	V13	V13	V17
TEREX	TC35	BACKHOE	3640	8026	3619	7980	V13	V13	V17
TEREX	TC35E	BACKHOE	3640	8026	3619	7980	V13	V13	V17
TEREX	TC48	BACKHOE	3122	6885	4952	10920	V13	V13	V17
TEREX	TC50	BACKHOE	3184	7020	5019	11067	V13	V13	V17
TEREX	TL100	LOADER	5608	12365	6026	13288	V13	V13	V17
TEREX	TL70S	LOADER	4945	10903	5200	11465	V13	V13	V17
TEREX	TL80	LOADER	4593	10128	5199	11464	V13	V13	V17
TEREX	TL80AS	LOADER	4588	10116	4499	9920	V13	V13	V17
TEREX	TX750	LOADER	4755	10485	7175	15820	V13	V13	V17
TEREX	TX760	LOADER	4755	10485	7175	15820	V13	V13	V17
TEREX	TX760B	LOADER	4755	10485	6871	15151	V13	V13	V17
TEREX	TX860	LOADER	5574	12291	7240	15964	V13	V13	V17
TEREX	TX860B	LOADER	5574	12291	7240	15964	V13	V13	V17
TEREX	TX860SB	LOADER	5574	12291	7429	16381	V13	V13	V17

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
TEREX	TX870B	LOADER	5574	12291	7703	16986	V13	V13	V17
TEREX	TX970B	LOADER	5574	12291	8010	17663	V13	V13	V17
TEREX	TLB840	TLB	4755	10485	7209	15895	V17	V17	V17
TEREX	TX860	TLB	3777	8329	7240	15964	V17	V17	V17
TEREX	HR20	BACKHOE	4078	8992	5649	12456	V13	V17	U20
TEREX	SKL863	LOADER	6832	15064	8550	18853	V13	V17	U20
TEREX	SMB2041	BACKHOE	5048	11130	8701	19185	V13	V17	U20
TEREX	TC60	BACKHOE	4082	9000	5959	13140	V13	V17	U20
TEREX	SKL853	LOADER	5816	12825	6798	14990	V13	V17	V17
TEREX	SKL854	LOADER	6020	13275	20706	45656	V13	V17	V17
TEREX	TL120	LOADER	6015	13264	7100	15656	V13	V17	V17
TEREX	TLB840	LOADER	6191	13651	7209	15895	V13	V17	V17
TEREX	TX860B ELITE	LOADER	6217	13709	7240	15964	V13	V17	V17
TEREX	TXL160-1	LOADER	7800	17200	8599	18960	V17	V17	U20
VOLVO	BL70	TLB	6030	13296	9854	21727	U20	U20	U20
VOLVO	4300B	LOADER	8565	18885	9854	21728	V17	U20	U25
VOLVO	4400	LOADER	9176	20234	11683	25760	V17	U20	U25
VOLVO	ECR88	BACKHOE	5709	12589	8481	18700	V17	U20	U25
VOLVO	ECR88D	BACKHOE	5832	12860	9256	20410	V17	U20	U25
VOLVO	L60E	LOADER	8952	19740	11388	25110	V17	U20	U25
VOLVO	L60F	LOADER	8452	18637	13297	29320	V17	U20	U25
VOLVO	L70B	LOADER	10298	22707	11519	25400	V17	U20	U25
VOLVO	L70C	LOADER	9483	20910	10730	23660	V17	U20	U25
VOLVO	L70D	LOADER	8862	19540	11329	24980	V17	U20	U25
VOLVO	L70E	LOADER	10857	23940	13179	29060	V17	U20	U25
VOLVO	L70E MH	LOADER	8790	19382	14186	31280	V17	U20	U25
VOLVO	L70F	LOADER	9727	21447	14998	33070	V17	U20	U25
VOLVO	SE170-3 W	LOADER	10549	23260	18494	40780	V17	U20	U25
VOLVO	4500	LOADER	11215	24730	15137	33376	U20	U25	U25
VOLVO	EC130	BACKHOE	7137	15736	13787	30400	U20	U25	U25
VOLVO	EC130C	BACKHOE	6933	15288	14150	31201	U20	U25	U25
VOLVO	EC210B LR	BACKHOE	6998	15430	23220	51200	U20	U25	U25
VOLVO	EC210C LR	BACKHOE	7002	15440	23220	51200	U20	U25	U25
VOLVO	EC240B LR	BACKHOE	6998	15430	27569	60790	U20	U25	U25
VOLVO	EC290B LR	BACKHOE	7052	15550	31737	69980	U20	U25	U25
VOLVO	EW130C	BACKHOE	7442	16410	13696	30200	U20	U25	U25
VOLVO	L70	LOADER	11725	25854	12698	28000	U20	U25	U25
VOLVO	L90	LOADER	12235	26978	12902	28450	U20	U25	U25
VOLVO	L90C	LOADER	11864	26160	14762	32550	U20	U25	U25
VOLVO	L90D	LOADER	11317	24954	16698	36820	U20	U25	U25
VOLVO	L90E	LOADER	12063	26600	15116	33330	U20	U25	U25
VOLVO	L90E MH	LOADER	11986	26430	16975	37430	U20	U25	U25
VOLVO	L90F	LOADER	12082	26640	16998	37480	U20	U25	U25
VOLVO	SE210-3 LC	LOADER	12058	26588	21188	46720	U20	U25	U25
VOLVO	EC140	BACKHOE	8780	19360	13692	30190	U20	U25	U30
VOLVO	EC140 LCM	BACKHOE	8889	19600	14059	31000	U20	U25	U30
VOLVO	EC140B LC	BACKHOE	8898	19620	15170	33450	U20	U25	U30
VOLVO	EC140C	BACKHOE	8417	18560	14680	32370	U20	U25	U30
VOLVO	EC150C	BACKHOE	8766	19330	15805	34850	U20	U25	U30
VOLVO	ECR145C L	BACKHOE	8739	19270	15819	34880	U20	U25	U30
VOLVO	EW150C	BACKHOE	8766	19330	14599	32190	U20	U25	U30
VOLVO	L110E MH	LOADER	13401	29550	20222	44590	U20	U25	U30
VOLVO	L120	LOADER	14070	31025	15420	34000	U20	U25	U30
VOLVO	L120D	LOADER	14192	31293	19007	41910	U20	U25	U30
VOLVO	L90B	LOADER	12307	27136	12517	27600	U20	U25	U30
VOLVO	SE210-2A W	LOADER	12948	28550	19147	42220	U20	U25	U30
VOLVO	SE240-3 LC	LOADER	14098	31085	24109	53160	U20	U25	U30

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
VOLVO	L120B	LOADER	15569	34330	15388	33930	U25	U25	U30
VOLVO	L120C	LOADER	14608	32210	18526	40850	U25	U25	U30
VOLVO	L120E	LOADER	15220	33560	20998	46300	U25	U25	U30
VOLVO	L120E MH	LOADER	14476	31920	20998	46300	U25	U25	U30
VOLVO	4600	LOADER	16008	35297	21740	47936	U25	U30	U30
VOLVO	4600B	LOADER	16008	35297	21740	47936	U25	U30	U30
VOLVO	EC140E	BACKHOE	9850	21720	16132	35570	U25	U30	U30
VOLVO	EC150 LC	BACKHOE	10381	22890	16458	36290	U25	U30	U30
VOLVO	ECR145E	BACKHOE	9850	21720	16422	36210	U25	U30	U30
VOLVO	L110E	LOADER	15937	35140	18399	40570	U25	U30	U30
VOLVO	L110F	LOADER	16993	37470	19823	43710	U25	U30	U30
VOLVO	L120F	LOADER	17342	38240	20599	45420	U25	U30	U30
VOLVO	L150D	LOADER	17819	39290	23356	51500	U25	U30	U30
VOLVO	L150E	LOADER	18240	40220	22993	50700	U25	U30	U30
VOLVO	L150E MH	LOADER	18281	40310	25692	56650	U25	U30	U30
VOLVO	SE280-3 LC	LOADER	16080	35456	29610	65290	U25	U30	U30
VOLVO	125C	LOADER	19474	42941	20317	44800	U25	U30	U35
VOLVO	EC160B LC	BACKHOE	10730	23660	19202	42340	U25	U30	U35
VOLVO	EC160C	BACKHOE	10730	23660	19392	42760	U25	U30	U35
VOLVO	EC200	BACKHOE	12846	28325	19796	43651	U25	U30	U35
VOLVO	EC210C	BACKHOE	12499	27560	23220	51200	U25	U30	U35
VOLVO	EW160B	BACKHOE	10043	22144	17500	38587	U25	U30	U35
VOLVO	EW160C	BACKHOE	10043	22144	18017	39727	U25	U30	U35
VOLVO	EW160E	BACKHOE	12846	28326	17847	39352	U25	U30	U35
VOLVO	EW170	BACKHOE	11497	25350	18317	40390	U25	U30	U35
VOLVO	EW180B	BACKHOE	11347	25020	19800	43660	U25	U30	U35
VOLVO	EW180C	BACKHOE	11347	25020	20077	44270	U25	U30	U35
VOLVO	EW200	BACKHOE	12847	28327	16950	37375	U25	U30	U35
VOLVO	EWR150E	BACKHOE	11062	24392	17897	39463	U25	U30	U35
VOLVO	EWR170E	BACKHOE	12846	28326	19197	42329	U25	U30	U35
VOLVO	L140	LOADER	19576	43165	19147	42220	U25	U30	U35
VOLVO	L150	LOADER	18863	41592	21565	47550	U25	U30	U35
VOLVO	L150C	LOADER	19002	41900	22204	48960	U25	U30	U35
VOLVO	L150F	LOADER	18830	41520	25995	57320	U25	U30	U35
VOLVO	L150G	LOADER	20595	45411	25656	56571	U25	U30	U35
VOLVO	L160	LOADER	19270	42491	22222	49000	U25	U30	U35
VOLVO	L180	LOADER	20596	45414	23401	51600	U25	U30	U35
VOLVO	SE350-2 LC	LOADER	19995	44090	36884	81330	U25	U30	U35
VOLVO	L180C	LOADER	22980	50670	25361	55920	U30	U30	U35
VOLVO	L180D	LOADER	21612	47655	26603	58660	U30	U30	U35
VOLVO	L180E	LOADER	22104	48740	26249	57880	U30	U30	U35
VOLVO	L180E MH	LOADER	21293	46950	28898	63720	U30	U30	U35
VOLVO	L180F	LOADER	21891	48270	28993	63930	U30	U30	U35
VOLVO	L220E	LOADER	22726	50110	31175	68740	U30	U30	U35
VOLVO	L220F	LOADER	22889	50470	34993	77160	U30	U30	U35
VOLVO	SE450-2 LC	LOADER	22295	49160	44989	99200	U30	U30	U35
VOLVO	EC235C L	BACKHOE	12712	28030	26195	57760	U30	U35	U35
VOLVO	EW210C	BACKHOE	12662	27920	22195	48940	U30	U35	U35
VOLVO	275C	LOADER	24980	55081	40635	89600	U30	U35	U40
VOLVO	EC200E	BACKHOE	15193	33500	22259	49080	U30	U35	U40
VOLVO	EC210	BACKHOE	15401	33960	21338	47050	U30	U35	U40
VOLVO	EC210B LC	BACKHOE	13302	29330	22340	49260	U30	U35	U40
VOLVO	EC210B NLC	BACKHOE	13302	29330	22177	48900	U30	U35	U40
VOLVO	EC220E	BACKHOE	17741	39120	23986	52890	U30	U35	U40
VOLVO	EC230	BACKHOE	16916	37300	22812	50300	U30	U35	U40
VOLVO	EC240	BACKHOE	16499	36380	24336	53660	U30	U35	U40
VOLVO	EC240B LC	BACKHOE	16000	35280	26059	57460	U30	U35	U40

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
VOLVO	EC240C	BACKHOE	16000	35280	26190	57750	U30	U35	U40
VOLVO	ECR235E	BACKHOE	15229	33580	26721	58920	U30	U35	U40
VOLVO	EW180E	BACKHOE	13458	29675	20816	45900	U30	U35	U40
VOLVO	EW220E	BACKHOE	13458	29675	23396	51588	U30	U35	U40
VOLVO	EW230	BACKHOE	16916	37300	18957	41800	U30	U35	U40
VOLVO	EW230C	BACKHOE	14458	31880	25596	56440	U30	U35	U40
VOLVO	L180G	LOADER	24092	53122	28465	62766	U30	U35	U40
VOLVO	L190	LOADER	28141	62050	27066	59680	U30	U35	U40
VOLVO	L190B	LOADER	28141	62050	27610	60880	U30	U35	U40
VOLVO	L220D	LOADER	24387	53774	33016	72800	U30	U35	U40
VOLVO	L220E MH	LOADER	23769	52410	34005	74980	U30	U35	U40
VOLVO	L220G	LOADER	26019	57371	32805	72334	U30	U35	U40
VOLVO	EC230B	BACKHOE	18047	39793	23200	51156	U35	U40	U40
VOLVO	EC290B LC	BACKHOE	17601	38810	29968	66080	U35	U40	U40
VOLVO	EW230B	BACKHOE	18047	39793	20000	44100	U35	U40	U40
VOLVO	EC250E	BACKHOE	18961	41810	26490	58410	U35	U40	U45
VOLVO	EC280	BACKHOE	18454	40690	29388	64800	U35	U40	U45
VOLVO	EC280 NA/SH	BACKHOE	18454	40692	27450	60527	U35	U40	U45
VOLVO	EC280 WI/LD	BACKHOE	18454	40692	28250	62291	U35	U40	U45
VOLVO	EC290	BACKHOE	17601	38810	29129	64230	U35	U40	U45
VOLVO	EC290C	BACKHOE	17601	38810	30481	67210	U35	U40	U45
VOLVO	EC300	BACKHOE	19864	43800	31020	68400	U35	U40	U45
VOLVO	EC300E	BACKHOE	20848	45970	30961	68270	U35	U40	U45
VOLVO	EC300E HYBRID	BACKHOE	20901	46086	31185	68762	U35	U40	U45
VOLVO	EC355E	BACKHOE	21308	46985	38031	83859	U35	U40	U45
VOLVO	ECR305C L	BACKHOE	17601	38810	37333	82320	U35	U40	U45
VOLVO	L270	LOADER	36298	80036	41302	91070	U35	U40	U45
VOLVO	L270B	LOADER	36298	80036	41515	91540	U35	U40	U45
VOLVO	EC330B LC	BACKHOE	23302	51380	35569	78430	U40	U45	U55
VOLVO	EC330C L	BACKHOE	23302	51380	36449	80370	U40	U45	U55
VOLVO	EC340	BACKHOE	26408	58230	35642	78590	U40	U45	U55
VOLVO	EC340 NA	BACKHOE	26407	58228	35350	77947	U40	U45	U55
VOLVO	EC340 WIDE	BACKHOE	23756	52383	35650	78608	U40	U45	U55
VOLVO	EC340D	BACKHOE	27059	59664	37002	81590	U40	U45	U55
VOLVO	EC350E	BACKHOE	27059	59665	38662	85250	U40	U45	U55
VOLVO	EC360	BACKHOE	21832	48140	38109	84030	U40	U45	U55
VOLVO	EC360B LC	BACKHOE	23302	51380	39202	86440	U40	U45	U55
VOLVO	EC360C	BACKHOE	23302	51380	39701	87540	U40	U45	U55
VOLVO	EC380D	BACKHOE	27059	59664	40200	88640	U40	U45	U55
VOLVO	EC380E	BACKHOE	27059	59665	42068	92760	U40	U45	U55
VOLVO	EC390	BACKHOE	26000	57330	39692	87520	U40	U45	U55
VOLVO	EC460	BACKHOE	24399	53800	46018	101470	U40	U45	U55
VOLVO	EC460B LC	BACKHOE	27302	60200	48580	107120	U40	U45	U55
VOLVO	EC460C	BACKHOE	27302	60200	49020	108090	U40	U45	U55
VOLVO	L320	LOADER	40834	90040	48874	107768	U40	U45	U55
VOLVO	L330D	LOADER	47878	105570	50526	111410	U40	U45	U55
VOLVO	L330E	LOADER	47347	104400	49995	110240	U40	U45	U55
VOLVO	L350F	LOADER	48204	106290	53991	119050	U40	U45	U55
VOLVO	L330C	LOADER	50943	112330	47909	105640	U45	U45	U55
VOLVO	EC390 ME	BACKHOE	28571	63000	39909	88000	U45	U55	U55
VOLVO	EC420	BACKHOE	29056	64068	44082	97200	U45	U55	U55
VOLVO	EC450	BACKHOE	29057	64070	45986	101400	U45	U55	U55
VOLVO	EC480D	BACKHOE	31667	69825	49601	109370	U45	U55	U60
VOLVO	EC480E	BACKHOE	31667	69825	49383	108890	U45	U55	U60
VOLVO	EC650 BE	BACKHOE	34154	75310	66304	146200	U45	U55	U60
VOLVO	L480B	LOADER	56689	125000	81397	179480	U45	U55	U60
VOLVO	L480	LOADER	64438	142086	80399	177280	U55	U55	U60

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
VOLVO	475C	LOADER	67599	149056	77714	171360	U55	U60	--
VOLVO	EC750E	BACKHOE	39052	86110	75302	166040	U55	U60	--
VOLVO	EC950F	BACKHOE	48734	107459	93219	205548	U55	U60	--
VOLVO	EC650 ME	BACKHOE	40680	89700	66304	146200	U55	U60	U60
VOLVO	EC700B LC	BACKHOE	38129	84075	70286	154980	U55	U60	U60
VOLVO	EC700C L	BACKHOE	38129	84075	70590	155650	U55	U60	U60
VOLVO	L480T	LOADER	64438	142086	80621	177770	U55	U60	U60
VOLVO	MC110	SKID-STEER	1043	2300	3471	7654	V13	V13	V13
VOLVO	MC110B	SKID-STEER	2528	5575	3397	7491	V13	V13	V13
VOLVO	MC110C	SKID-STEER	2668	5884	3390	7476	V13	V13	V13
VOLVO	MC115C	SKID-STEER	2668	5884	3615	7971	V13	V13	V13
VOLVO	MC135C	SKID-STEER	2634	5809	3823	8430	V13	V13	V13
VOLVO	MC60	SKID-STEER	612	1350	2484	5478	V13	V13	V13
VOLVO	MC60B	SKID-STEER	1741	3840	2590	5710	V13	V13	V13
VOLVO	MC70	SKID-STEER	680	1500	2677	5902	V13	V13	V13
VOLVO	MC70B	SKID-STEER	1846	4070	2632	5803	V13	V13	V13
VOLVO	MC80	SKID-STEER	794	1750	3101	6837	V13	V13	V13
VOLVO	MC80B	SKID-STEER	2449	5400	3096	6826	V13	V13	V13
VOLVO	MC90	SKID-STEER	907	2000	3280	7233	V13	V13	V13
VOLVO	MC90B	SKID-STEER	2449	5400	3168	6986	V13	V13	V13
VOLVO	MCT125C	SKID-STEER	2634	5809	4628	10205	V13	V13	V13
VOLVO	MCT135C	SKID-STEER	2634	5809	4836	10663	V13	V13	V13
VOLVO	EC15	BACKHOE	1539	3394	1565	3451	V13	V13	V13
VOLVO	EC15 VWU	BACKHOE	1539	3394	1735	3826	V13	V13	V13
VOLVO	EC15B	BACKHOE	1539	3394	1761	3883	V13	V13	V13
VOLVO	EC20	BACKHOE	1886	4159	1875	4134	V13	V13	V13
VOLVO	EC20B	BACKHOE	1886	4159	1935	4267	V13	V13	V13
VOLVO	EC20C	BACKHOE	1886	4159	1940	4277	V13	V13	V13
VOLVO	EC25	BACKHOE	2222	4900	2851	6286	V13	V13	V13
VOLVO	EC30	BACKHOE	2467	5440	3151	6948	V13	V13	V13
VOLVO	ECR28	BACKHOE	2009	4429	2820	6219	V13	V13	V13
VOLVO	ECR38	BACKHOE	2931	6463	3429	7561	V13	V13	V13
VOLVO	L20B	LOADER	3161	6970	4510	9945	V13	V13	V13
VOLVO	L20F	LOADER	3161	6970	4590	10120	V13	V13	V13
VOLVO	L25B	LOADER	3773	8320	4830	10650	V13	V13	V13
VOLVO	L25F	LOADER	3773	8320	4909	10825	V13	V13	V13
VOLVO	SE50-3	LOADER	3669	8090	4934	10880	V13	V13	V13
VOLVO	ZL302C	LOADER	1835	4047	2100	4631	V13	V13	V13
VOLVO	ZL402	LOADER	3365	7419	3578	7890	V13	V13	V13
VOLVO	ZL402C	LOADER	3365	7419	3401	7500	V13	V13	V13
VOLVO	ZL502C	LOADER	4078	8993	4410	9724	V13	V13	V13
VOLVO	ZL602	LOADER	4129	9105	4949	10913	V13	V13	V13
VOLVO	ZL602 SL	LOADER	4129	9105	4949	10913	V13	V13	V13
VOLVO	BL60	LOADER	5138	11330	9319	20549	V13	V13	V17
VOLVO	EC35	BACKHOE	2977	6564	3582	7898	V13	V13	V17
VOLVO	EC35C	BACKHOE	3108	6854	2283	5033	V13	V13	V17
VOLVO	EC45	BACKHOE	3426	7554	4686	10333	V13	V13	V17
VOLVO	ECR48C	BACKHOE	3488	7691	4849	10692	V13	V13	V17
VOLVO	L30	LOADER	5251	11578	4750	10474	V13	V13	V17
VOLVO	L32	LOADER	5302	11691	5100	11246	V13	V13	V17
VOLVO	L35	LOADER	5608	12365	5699	12566	V13	V13	V17
VOLVO	BL60	TLB	5379	11861	9319	20549	V17	V17	V17
VOLVO	4200B	LOADER	7239	15962	8025	17696	V13	V17	U20
VOLVO	EC55	BACKHOE	4149	9149	5048	11130	V13	V17	U20
VOLVO	EC55B	BACKHOE	4149	9149	5339	11773	V13	V17	U20
VOLVO	EC55B PRO	BACKHOE	4078	8992	5499	12125	V13	V17	U20
VOLVO	EC55C	BACKHOE	4219	9302	5789	12765	V13	V17	U20

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
VOLVO	EC60E	BACKHOE	4408	9720	6050	13340	V13	V17	U20
VOLVO	ECR58D	BACKHOE	4059	8950	5959	13140	V13	V17	U20
VOLVO	EW60E	BACKHOE	4415	9734	5918	13050	V13	V17	U20
VOLVO	L45	LOADER	6554	14452	7979	17593	V13	V17	U20
VOLVO	L45F	LOADER	6729	14837	9088	20040	V13	V17	U20
VOLVO	L50	LOADER	6933	15288	8236	18160	V13	V17	U20
VOLVO	L50C	LOADER	6939	15300	8059	17770	V13	V17	U20
VOLVO	L50D	LOADER	6771	14930	8644	19060	V13	V17	U20
VOLVO	L50F	LOADER	7341	16186	9888	21804	V13	V17	U20
VOLVO	4200	LOADER	5914	13040	5892	12992	V13	V17	V17
VOLVO	BL70	LOADER	5644	12445	9854	21727	V13	V17	V17
VOLVO	ECR58	BACKHOE	3976	8768	5577	12298	V13	V17	V17
VOLVO	EW55B	BACKHOE	3854	8497	5299	11685	V13	V17	V17
VOLVO	L30B	LOADER	6218	13710	5501	12130	V13	V17	V17
VOLVO	L35B	LOADER	6168	13600	6281	13850	V13	V17	V17
VOLVO	L40	LOADER	5735	12646	7278	16049	V13	V17	V17
VOLVO	L40B	LOADER	6219	13713	7929	17483	V13	V17	V17
VOLVO	L45B	LOADER	6321	13938	8449	18629	V13	V17	V17
VOLVO	L50E	LOADER	6245	13770	8639	19050	V13	V17	V17
VOLVO	ZL802	LOADER	6117	13489	6799	14991	V13	V17	V17
VOLVO	4300	LOADER	8259	18210	9041	19936	V17	V17	U20
VOLVO	L50B	LOADER	7412	16344	9302	20510	V17	V17	U20
VOLVO	L60E MH	LOADER	8286	18270	12154	26800	V17	V17	U20
VOLVO	SE130-3 LC	LOADER	8027	17700	14077	31040	V17	V17	U20
VOLVO	SE130-3 LCM	LOADER	8027	17700	15379	33910	V17	V17	U20
VOLVO	SE130-3 W	LOADER	8027	17700	14898	32850	V17	V17	U20
XCMG	XE85C	BACKHOE	5220	11510	8098	17857	V17	U20	U20
XCMG	LW300F	LOADER	9176	20232	9998	22046	V17	U20	U25
XCMG	LW300K	LOADER	9176	20232	10598	23369	V17	U20	U25
XCMG	XE260CLL	BACKHOE	7208	15894	27495	60627	U20	U25	U25
XCMG	LW400K	LOADER	13254	29225	14197	31305	U20	U25	U30
XCMG	XE135B	BACKHOE	8666	19109	13797	30423	U20	U25	U30
XCMG	XE150D	BACKHOE	8666	19109	14397	31746	U20	U25	U30
XCMG	XE215CLL	BACKHOE	8024	17692	22346	49273	U20	U25	U30
XCMG	LW500F	LOADER	15905	35070	16497	36376	U25	U30	U30
XCMG	LW500K	LOADER	16823	37094	17197	37919	U25	U30	U30
XCMG	LW500KL	LOADER	17332	38218	17397	38360	U25	U30	U30
XCMG	LW600K	LOADER	17434	38442	19996	44092	U25	U30	U30
XCMG	ZL50G	LOADER	17332	38218	17997	39683	U25	U30	U30
XCMG	XE215C	BACKHOE	14070	31024	21446	47289	U30	U35	U35
XCMG	XE215D	BACKHOE	14070	31024	21496	47399	U30	U35	U35
XCMG	E265C	BACKHOE	16415	36194	25495	56217	U30	U35	U40
XCMG	LW800K	LOADER	24979	55078	28495	62831	U30	U35	U40
XCMG	LW900K	LOADER	26508	58450	29495	65036	U30	U35	U40
XCMG	XE200C	BACKHOE	14070	31024	20596	45415	U30	U35	U40
XCMG	XE225CA	BACKHOE	15191	33496	22296	49163	U30	U35	U40
XCMG	XE230C	BACKHOE	16619	36644	23496	51808	U30	U35	U40
XCMG	XE230D	BACKHOE	16619	36644	820	1808	U30	U35	U40
XCMG	XE235C	BACKHOE	16619	36644	23496	51808	U30	U35	U40
XCMG	XE260C	BACKHOE	16619	36644	25495	56217	U30	U35	U40
XCMG	XE260D	BACKHOE	16619	36644	25495	56217	U30	U35	U40
XCMG	XE265C	BACKHOE	18249	40240	25495	56217	U35	U40	U45
XCMG	LW1200K	LOADER	45351	100000	47991	105821	U40	U45	U55
XCMG	XE335C	BACKHOE	22940	50582	33794	74516	U40	U45	U55
XCMG	XE370C	BACKHOE	24673	54404	33794	74516	U40	U45	U55
XCMG	XE370CA	BACKHOE	24673	54404	36594	80689	U40	U45	U55
XCMG	XE500C	BACKHOE	28955	63846	47292	104278	U45	U55	U55

Nose size recommendations

Machine Make	Machine Model	Machine Type	Breakout Force		Operating Weight		Application		
			kg	lb	kg	lb	STD	HD	XHD
XCMG	XE470	BACKHOE	27629	60923	46092	101633	U45	U55	U60
XCMG	XE490CK	BACKHOE	29363	64745	47892	105601	U45	U55	U60
XCMG	XE700	BACKHOE	43985	96988	82624	182187	U55	U60	--
XCMG	XE900C	BACKHOE	48836	107683	88785	195770	U55	U60	--
XCMG	XE15	BACKHOE	1417	3125	1639	3615	V13	V13	V13
XCMG	XE40	BACKHOE	2366	5216	4049	8928	V13	V13	V13
XCMG	XE60CA	BACKHOE	4924	10858	5959	13139	V13	V17	U20
XCMG	XE65CA	BACKHOE	4924	10858	6199	13668	V13	V17	U20
ZOOMLION	ZE230	BACKHOE	17638	38892	23596	52029	U30	U35	U40
ZOOMLION	ZE230LC	BACKHOE	17638	38892	23596	52029	U30	U35	U40
ZOOMLION	ZE260E	BACKHOE	17638	38892	24496	54013	U30	U35	U40
ZOOMLION	ZE310	BACKHOE	17332	38218	30595	67461	U35	U40	U45
ZOOMLION	ZE360E	BACKHOE	22328	49233	35794	78925	U40	U45	U55
ZOOMLION	ZE365E-10	BACKHOE	21920	48333	34594	76280	U40	U45	U55
ZOOMLION	ZE480E	BACKHOE	32116	70815	47392	104499	U45	U55	U60
ZOOMLION	ZE485E-10	BACKHOE	32116	70815	47392	104500	U45	U55	U60
ZOOMLION	ZE700E	BACKHOE	39252	86551	70988	156528	U55	U60	U60
ZOOMLION	ZE1250E	BACKHOE	55565	122521	122179	269405	U60	--	--



ESCO Group LLC – A Weir Group Division
2141 NW 25th Ave,
Portland, OR 97210
USA

www.esco.weir

P7007CON-ENG-L0222

Copyright © 2022, ESCO Group LLC. All rights reserved.