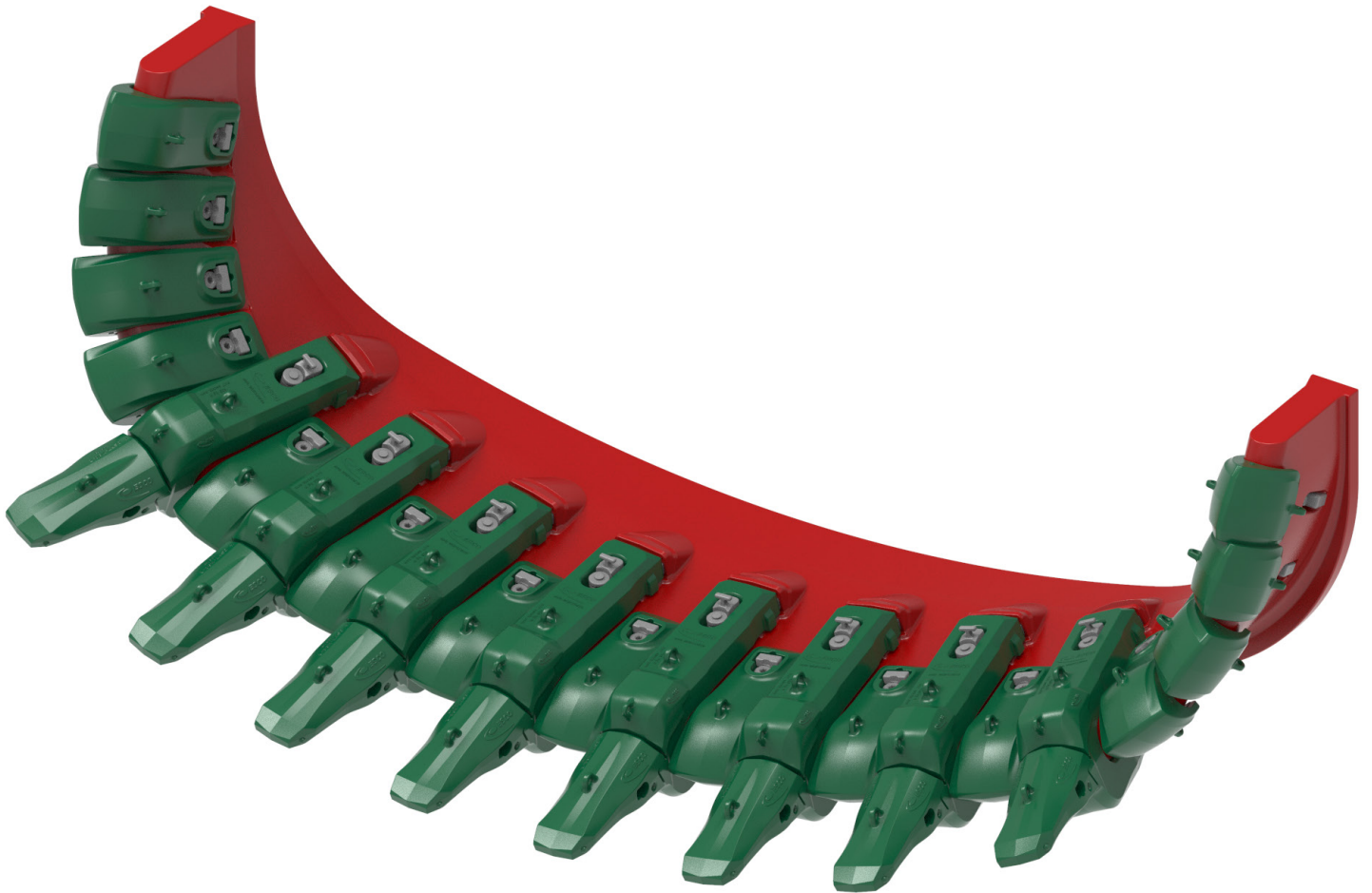


Ground Engaging Tools (G.E.T.) for Mining Applications

Specifications and Selector Guide



ESCO



The proven leader in ground engaging tools for mining

Today's mining and aggregate operations are under increasing pressure to improve production levels while controlling costs and maintaining the safest working environment possible. The key to achieving these goals is an optimized equipment system.

This is where ESCO's advanced ground engaging tools (G.E.T.) and application experts can deliver results that are unmatched in our industry. ESCO's dedicated staff of engineers and sales professionals will help ensure your equipment operates with maximum productivity and profitability.



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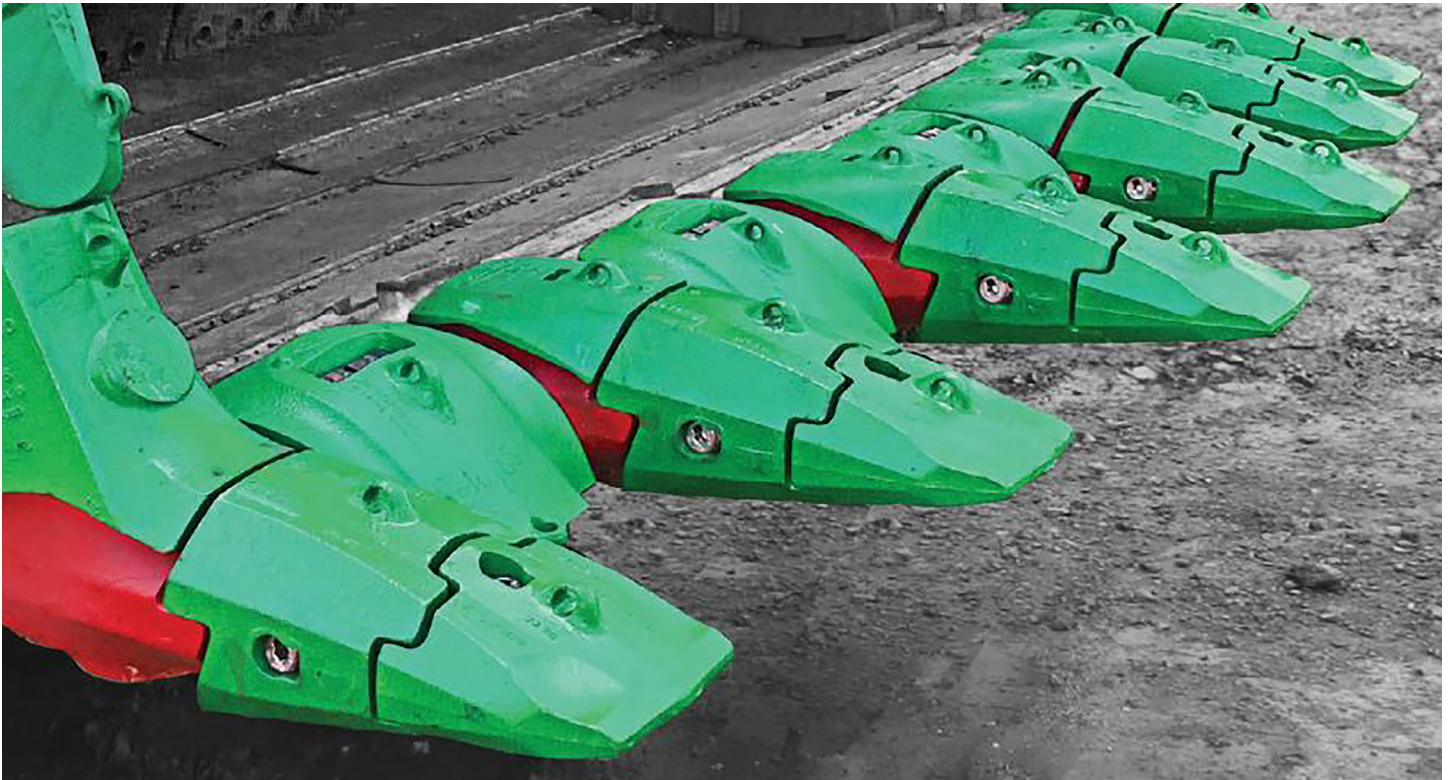
ESCO wear materials

Kwik-Lok® wear protection

Infinity® CWI wear protection

Cast corner wear shoes

Nemisys® system – unsurpassed performance for surface mining machines in all applications

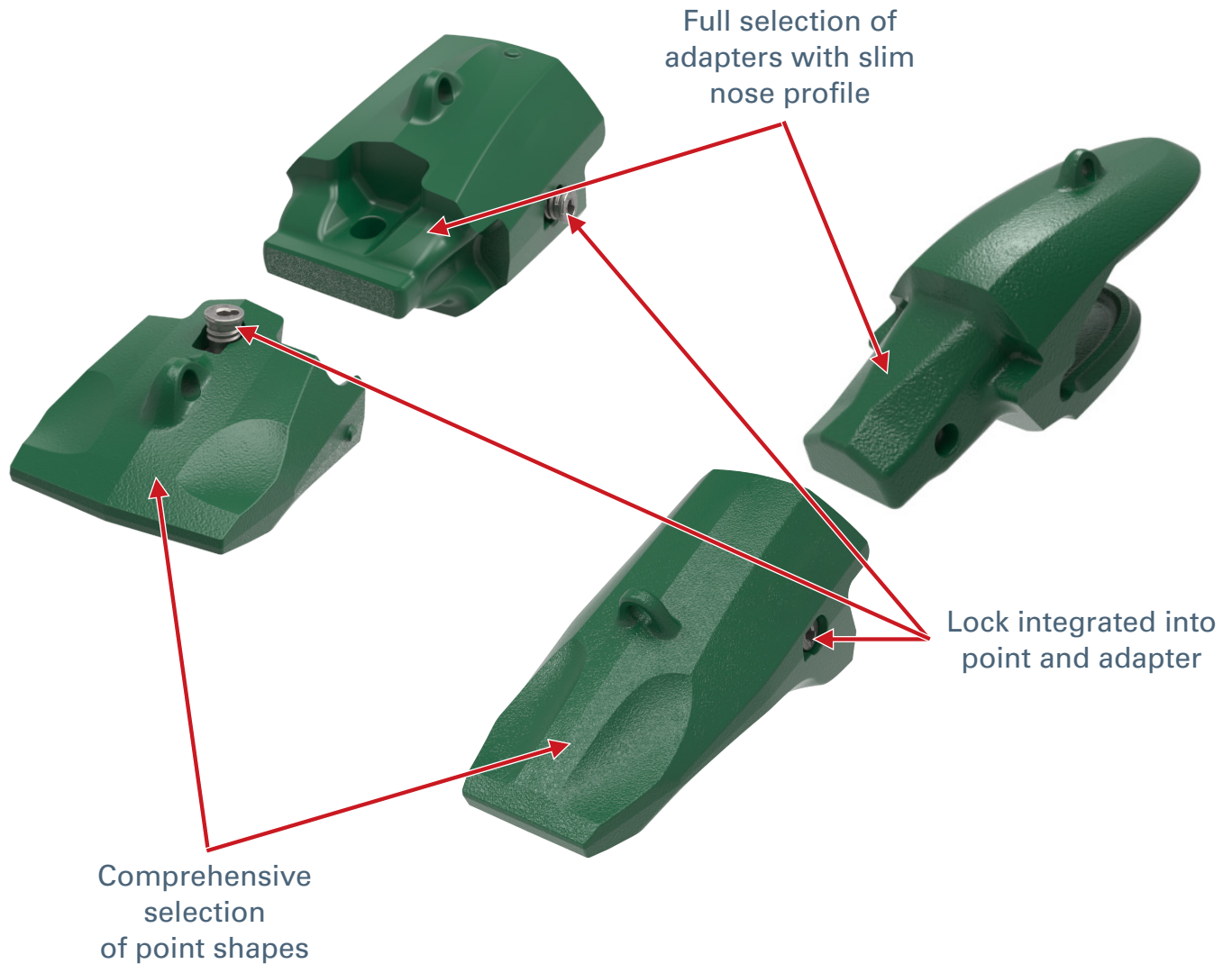


ESCO®, the world leader in mining ground engaging tools, delivers once again with the Nemisys system. You want unmatched total cost of ownership, world class mining G.E.T. system safety and unsurpassed product options? Look no further, we have a solution to meet your specific needs.

Whether your site needs to improve safety, increase productivity or reduce maintenance, we have the answer. The Nemisys system features hammerless installation and removal, superior alloys for optimum strength and wear life and reduced component/system weight to reduce stress on your equipment and people. The Nemisys system ensures your equipment operates with maximum productivity and profitability.

Nemisys® system flexibility to meet customer needs

Machines, applications and customer requirements vary from site to site and ESCO's Nemisys system offers flexibility with differentiated design segments to meet those needs. While each Nemisys segmented offering is unique, all feature field-proven strength, wear life, productivity and one of the best hammerless locking systems in the business.



100% Increased machine availability attributed to using the Nemisys system

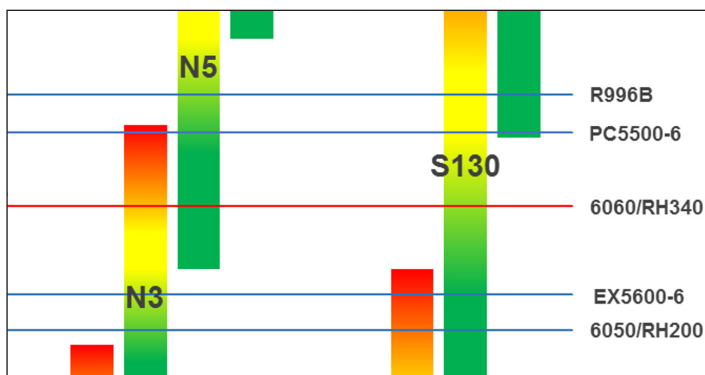
"We moved over 400,000 metric tonnes more between tooth replacement."
-Coal Mine, Australia

The comprehensive Nemisys offering covers your G.E.T. needs for cable shovels, draglines, mining excavators and wheel loaders - learn more about our offering on the following pages.

How to select the best Nemisys® nose size

The information and charts on the next four pages provide detailed instructions on how to select the best Nemisys nose size based on the machine, application and site operating procedures.

1. Choose the appropriate chart for backhoes, face shovels or wheel loaders.
2. Identify the horizontal line representing the site's machine model.
3. Follow the line across the chart. Where the line crosses the vertical bars represents the nose size(s) that are recommended.
4. Most models have at least two nose sizes that are applicable. Identify the color range at which the line crosses each vertical bar.
5. Based on the range identified in Step 4, choose the nose size that best fits the site's application and performance expectations.



Example for 6060 face shovel

N3 and N5 nose sizes may be used on a 6060 face shovel (left side bars) whereas an S130 nose size was acceptable in the past (right side bar).

Customer and site attributes



Focus on production

- HD applications only
- More frequent inspection intervals may be required
- Lightest weight nose size and lip for machine size

Balanced approach

- HD or XHD applications
- Regular maintenance intervals
- Balance between weight and strength for machine size

Focus on maintenance

- XHD applications or where less frequent inspection intervals are desired
- Higher strength and heavier lip for machine size

HD or XHD application

Every site is different and conditions may change over time. The table below provides customer attributes that are associated with HD and XHD applications

		Site Geology	Operations	Maintenance
	HD	• Well blasted material • Less abrasive, less dense materials	• Lightest lip desired for production • Successful use of light weight G.E.T. in the past	• Superior, well established maintenance practices • Frequent lip inspections
	XHD	• Denser, more abrasive rock • Hard, un-blasted material	• Difficult digging • Scaling, prying, chopping of un-blasted material • Using the bucket to repositioning the machine	• Poor or newly established maintenance procedures • Desire for extended maintenance intervals • History of G.E.T. failures

Nemisys® system versus previous ESCO® nose sizes

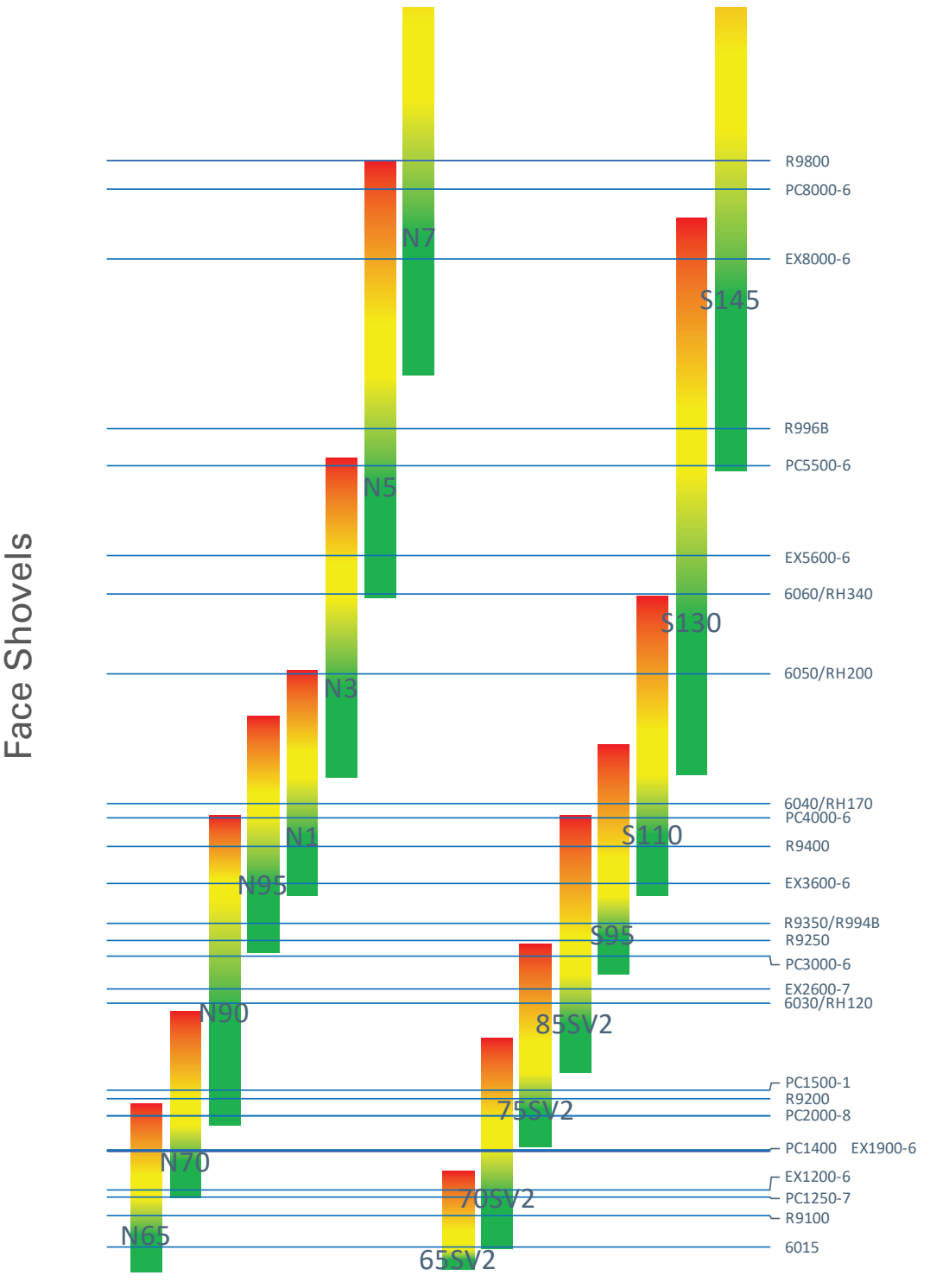
Each machine chart displays vertical bars to represent previous ESCO nose sizes to the right of the Nemisys nose sizes. Previous experience with S-Series nose sizes at a site can help guide the selection process.

Use the chart below to select the Nemisys nose size that is best suited for the application, site conditions and operating practices.



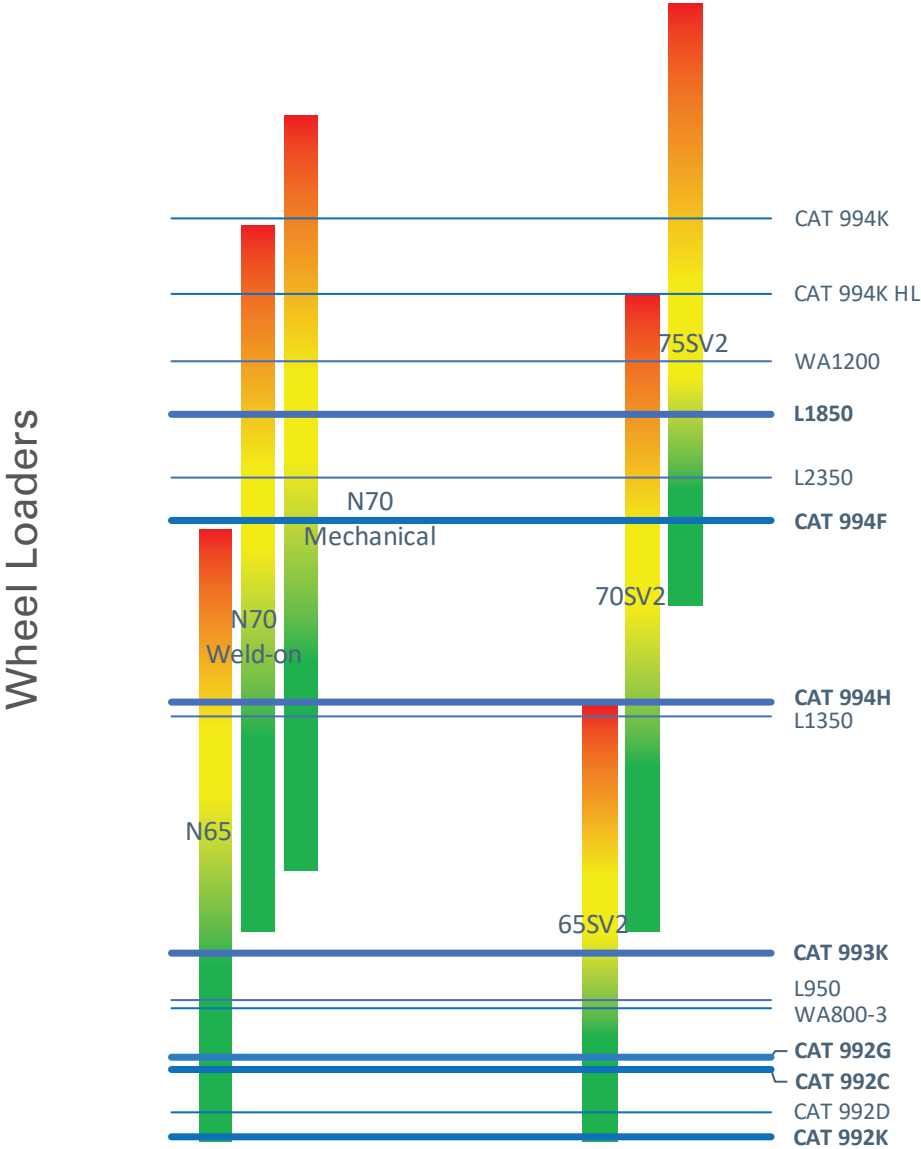
Selecting the correct Nemisys® nose size for face shovels

Use the chart below to select the Nemisys nose size that is best suited for the application, site conditions and operating practices.



Selecting the correct Nemisys® nose size for wheel loaders

Use the chart below to select the Nemisys nose size that is best suited for the application, site conditions and operating practices.



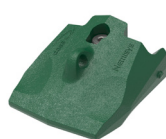
Nemisis® tooth system - N1



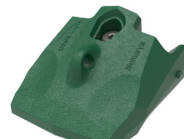
N1D6



N1R



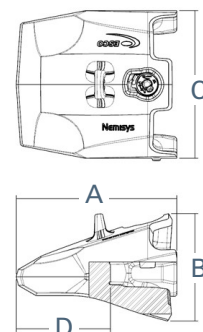
N1S



N1SW



N1V2



N1 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N1D6	Drop	324	12.76	206	8.10	321	12.64	180	7.09	49	107	DL
N1R	Rock	350	13.76	234	9.20	321	12.64	202	7.94	74	163	HEX
N1S	Standard	322	12.67	206	8.10	321	12.63	178	6.99	53	117	HEX
N1SW*	Standard W/C	322	12.67	234	9.20	321	12.63	178	6.99	61	134	HEX
N1V2	Pick	338	13.30	206	8.10	344	13.56	193	7.61	50	110	HEX

*Designed for use with wear cap adapters



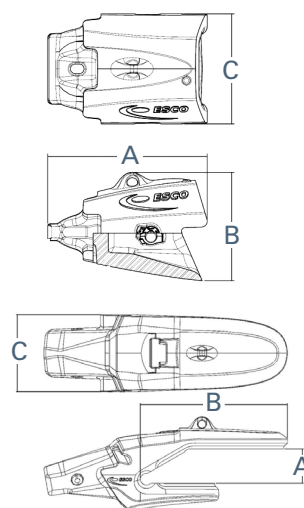
Weld-on adapter



Intermediate adapter



Intermediate wear
cap adapter



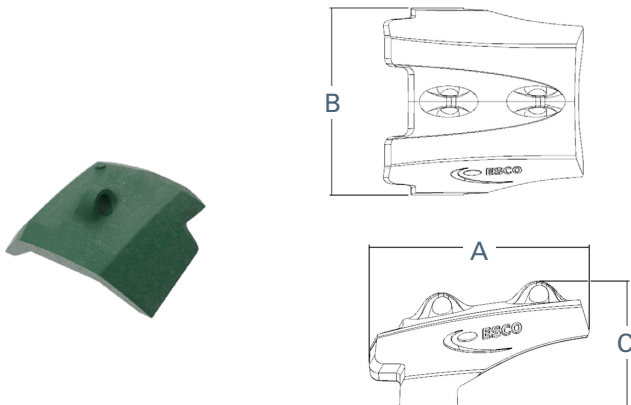
N1 Adapters

PMID	Description	Nose Size	Lip Thickness		Length A		Height B		Width C		Weight		Wear Cap
			mm	in	mm	in	mm	in	mm	in	kg	lb	
N1-5874**	Weld-On Wear Cap Adapter	N1	140	5.50	1014	39.93	392	15.44	322	12.66	269	592	N1WC
N1-5874H**	Weld-On Adapter	N1	140	5.50	1014	39.93	392	15.43	322	12.66	286	631	None
N1-5875**	Weld-On Wear Cap Adapter	N1	160	6.25	1014	39.93	392	15.44	322	12.66	265	585	N1WC
N1-5875H**	Weld-On Adapter	N1	160	6.25	1014	39.93	392	15.44	322	12.66	271	598	None
N1-S110H	Nemisis-Posilok Bridge Adapter	S110	--	--	468	18.44	326	12.83	336	13.22	136	299	None
N1-S110HA*	Nemisis-Posilok Bridge Adapter	S110	--	--	466	18.35	326	12.83	370	14.56	137	302	None
N1-S110W	Nemisis-Posilok Bridge Wear Cap Adapter	S110	--	--	466	18.35	282	11.10	320	12.60	91	201	N1WC
N1-TS390H*	Nemisis-Hensley Bridge Adapter	TS390	--	--	472	18.57	326	12.85	369	14.54	141	310	None
N1H	Intermediate Adapter	N1	--	--	466	18.34	316	12.46	321	12.64	120	265	None
N1XHD	Intermediate Adapter Extra Heavy Duty	N1	--	--	466	18.34	346	13.61	321	12.64	141	311	None
N1W	Intermediate Wear Cap Adapter	N1	--	--	466	18.34	281	11.07	320	12.59	88	193	N1WC

* Bridge adapter is used in conjunction with a nose insert that accepts Nemisis locks for adapter retention

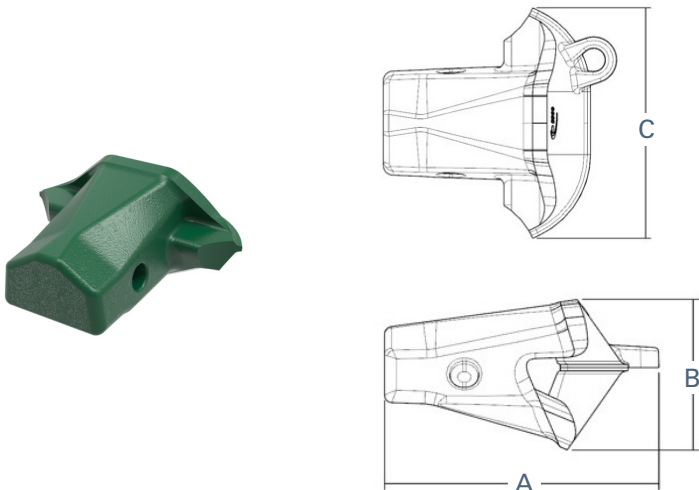
** Dragline specific adapters

Nemisys® tooth system - N1



N1 Wear Caps

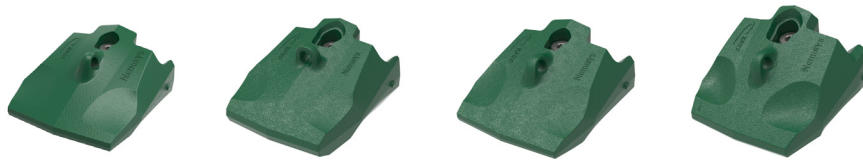
PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N1WCW	Adapter Wear Cap	320	12.60	316	12.44	199	7.83	30	66
N1WCLP	Cast Lip Wear Cap	406	16.00	311	12.25	152	6.00	36	80
N1WC	Intermediate Adapter Wear Cap	341	13.41	320	12.58	200	7.86	29	64



N1 Weld-on Nose

PMID	Nose Size	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N1WN	N1	436	17.16	430	16.94	240	9.43	112	248

Nemisys® tooth system - N3



N3D6

N3R

N3S

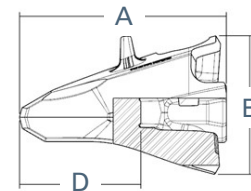
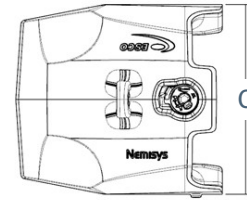
N3SBW



N3SW

N3V2

N3V7



N3 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N3D6	Drop	361	14.23	229	9.03	357	14.07	200	7.89	67	147	DL
N3R	Rock	389	15.33	260	10.25	357	14.07	228	8.99	101	223	HEX
N3S	Standard	359	14.12	229	9.03	357	14.06	198	7.78	73	161	HEX
N3SBW*	Standard Bridge	359	14.12	292	11.50	398	15.67	198	7.78	94	207	HEX
N3SW*	Standard W/C	359	14.12	260	10.25	357	14.06	198	7.78	85	187	HEX
N3V2	Pick	376	14.81	229	9.03	384	15.12	215	8.48	66	146	HEX
N3V7	Drop Pick	413	16.27	229	9.03	380	14.98	252	9.93	75	165	HEX

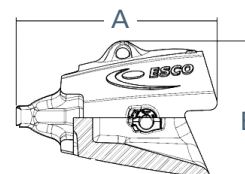
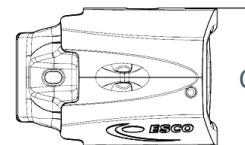
*Designed for use with wear cap adapters



Intermediate adapter



Intermediate wear
cap adapter

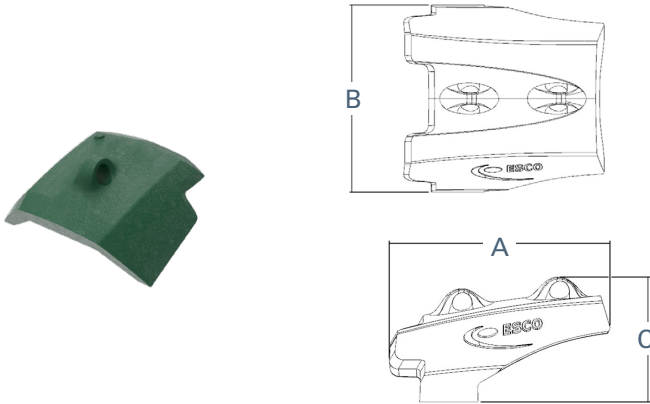


N3 Adapters

PMID	Description	Nose Size	Length A		Height B		Width C		Weight		Wear Cap
			mm	in	mm	in	mm	in	kg	lb	
N3-N5H	Stepdown Adapter	N5	556	21.90	365	14.36	398	15.67	191	420	None
N3-S130H	Nemisys-Posilok Bridge Adapter	S130	500	19.67	365	14.37	374	14.74	173	381	None
N3-S130HA*	Nemisys-Posilok Bridge Adapter	S130	500	19.67	365	14.37	374	14.74	182	401	None
N3-S130W	Nemisys-Posilok Bridge Wear Cap Adapter	S130	538	21.18	364	14.34	398	15.66	187	412	N3WC
N3-TDS55H	Nemisys-CQMS Bridge Adapter	TDS55	457	18.00	368	14.50	384	15.10	184	405	None
N3-TDS60	Nemisys-CQMS Bridge Adapter	TDS60	505	19.90	384	15.10	413	16.26	194	427	None
N3H	Intermediate Adapter	N3	519	20.44	349	13.73	357	14.07	170	375	None
N3XHD	Intermediate Adapter Extra Heavy Duty	N3	577	22.73	394	15.50	357	14.07	213	469	None
N3W	Intermediate Wear Cap Adapter	N3	519	20.44	313	12.34	356	14.02	122	269	N3WC

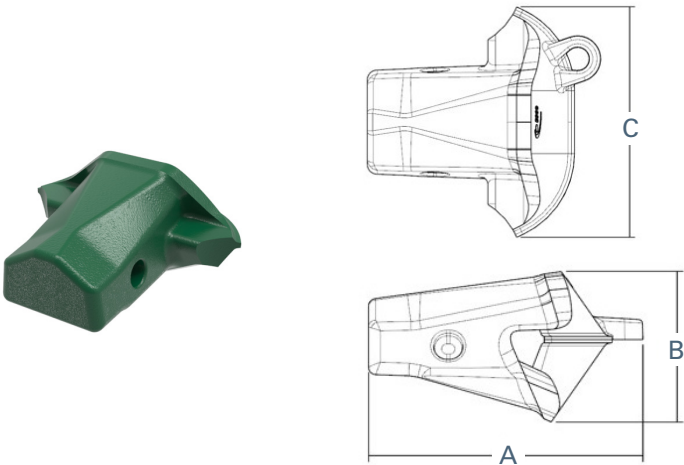
* Bridge adapter is used in conjunction with a nose insert that accepts Nemisys locks for adapter retention

Nemisys® tooth system - N3



N3 Wear Caps

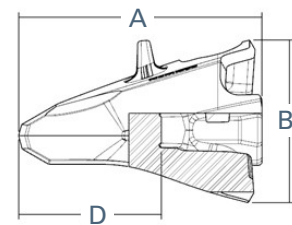
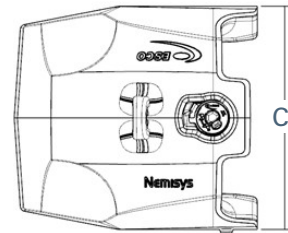
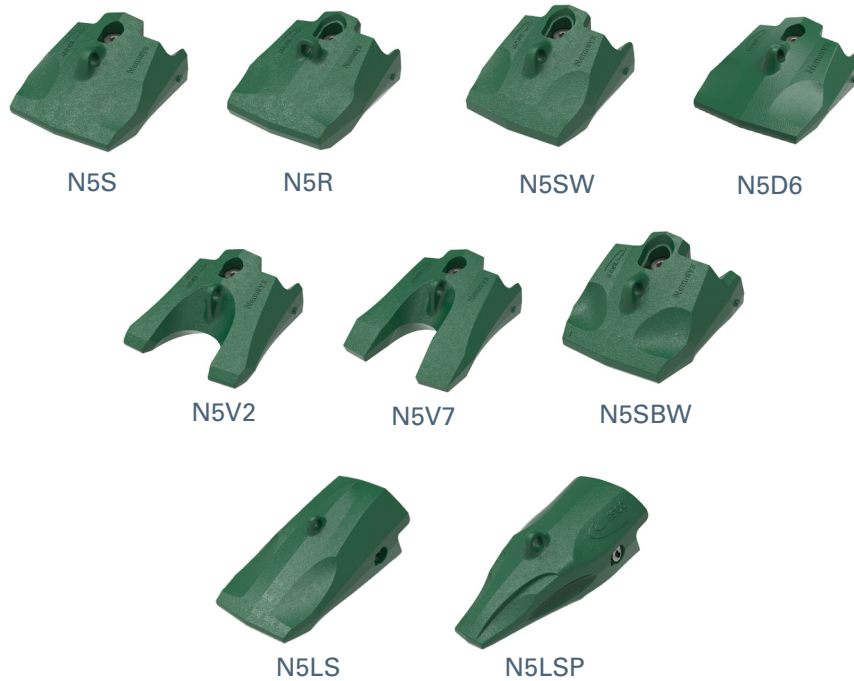
PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N3WCLPA	Cast Lip Wear Cap	442	17.39	349	13.75	169	6.66	36	79
N3WC	Intermediate Adapter Wear Cap	380	14.96	356	14.01	219	8.63	40	89



N3 Weld-on Nose

PMID	Nose Size	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N3WN	N3	466	18.83	430	16.94	240	9.43	112	248

Nemisys® tooth system - N5



N5 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N5S	Standard	400	15.73	256	10.06	398	15.66	220	8.67	101	222	HEX
N5R	Rock	434	17.07	290	11.41	398	15.67	254	10.01	142	312	HEX
N5SW*	Standard W/C	400	15.73	290	11.41	398	15.66	220	8.67	117	258	HEX
N5D6	Drop	403	15.85	256	10.06	398	15.67	223	8.79	93	204	DL
N5V2	Pick	419	16.50	256	10.06	427	16.83	236	9.30	91	201	HEX
N5V7	Drop Pick	461	18.13	256	10.06	424	16.68	281	11.06	103	227	HEX
N5SBW*	Standard Bridge	404	15.90	329	12.97	443	17.43	225	8.84	139	307	HEX
N5LS	Solid	744	29.28	362	14.25	398	15.67	385	15.14	285	628	HEX
N5LSP	Solid Pick	855	33.67	389	15.31	394	15.51	496	19.53	316	697	HEX

*Designed for use with wear cap adapters

Nemisys® tooth system - N5



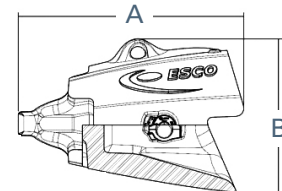
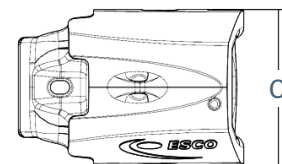
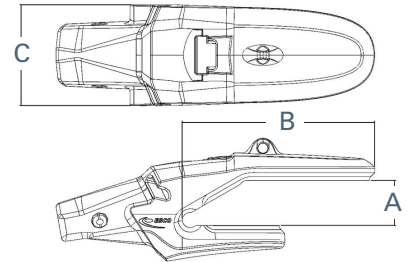
Weld-on adapter



Intermediate adapter



Intermediate wear cap adapter



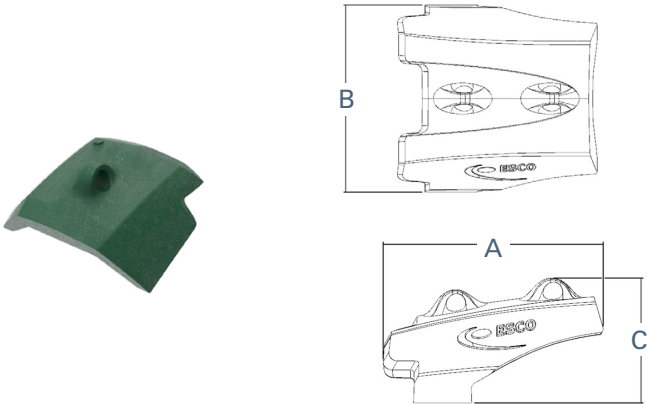
N5 Adapters

PMID	Description	Nose Size	Lip Thickness		Length A		Height B		Width C		Weight		Wear Cap
			mm	in	mm	in	mm	in	mm	in	kg	lb	
N5-5875H**	Weld-On Wear Cap Adapter	N5	160	6.30	1211	47.69	450	17.73	400	15.75	536	1182	None
N5-N7H	Stepdown Adapter	N7	--	--	619	24.38	402	15.84	439	17.28	269	594	None
N5-S130H	Nemisys-Posilok Bridge Adapter	S130	--	--	509	20.03	379	14.93	398	15.67	205	452	None
N5-S130HA*	Nemisys-Posilok Bridge Adapter	S130	--	--	509	20.03	381	15.00	429	16.90	211	466	None
N5-S145H	Nemisys-Posilok Bridge Adapter	S145	--	--	569	22.39	399	15.70	418	16.44	240	529	None
N5-S145HA*	Nemisys-Posilok Bridge Adapter	S145	--	--	569	22.39	400	15.76	456	17.95	257	566	None
N5-S145W	Nemisys-Posilok Bridge Wear Cap Adapter	S145	--	--	594	23.39	407	16.04	443	17.44	259	571	N5WC
N5-TDH70	Nemisys-CQMS Bridge Adapter	TDH70	--	--	537	21.14	433	17.05	413	16.27	234	516	None
N5-TS640H	Nemisys-Hensley Bridge Adapter	TS640	--	--	509	20.03	381	15.00	429	16.89	212	467	None
N5H	Intermediate Adapter	N5	--	--	579	22.78	385	15.14	398	15.67	230	507	None
N5W	Intermediate Wear Cap Adapter	N5	--	--	579	22.78	350	13.76	397	15.62	168	370	N5WC
N5XHD	Intermediate Adapter Extra Heavy Duty	N5	--	--	648	25.51	427	16.80	398	15.67	291	642	None

* Bridge adapter is used in conjunction with a nose insert that accepts Nemisys locks for adapter retention

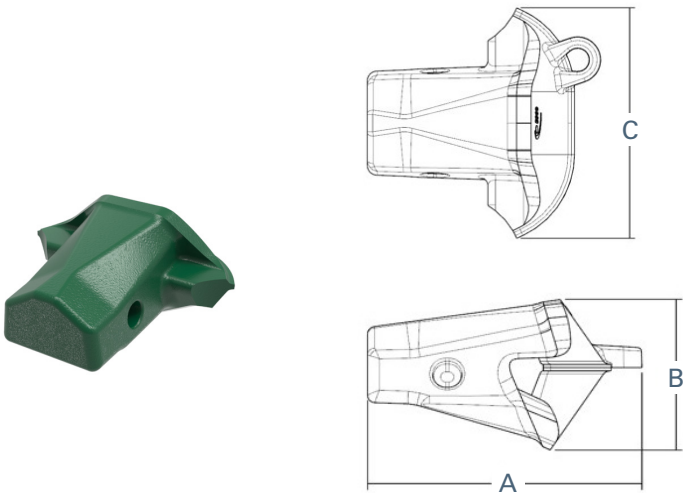
** Dragline specific adapter

Nemisys[®] tooth system - N5



N5 Wear Caps

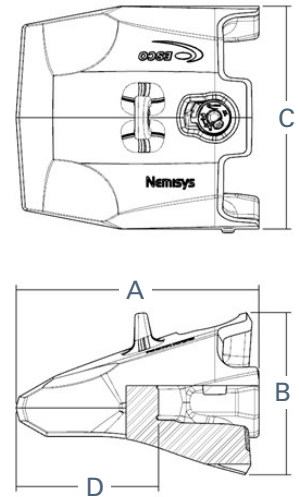
PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N5WCLP-2	Cast Lip Wear Cap	272	10.71	390	15.36	196	7.71	36	80
N5WCLPA	Cast Lip Wear Cap	493	19.41	389	15.31	189	7.44	55	122
N5WC	Intermediate Adapter Wear Cap	424	16.68	396	15.6	239	9.42	54	119



N5 Weld-on Nose

PMID	Nose Size	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N5WN	N5	648	25.51	398	15.67	427	16.8	112	248

Nemisys® tooth system - N7



N7 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N7S	Standard	445	17.52	284	11.20	443	17.44	245	9.65	141	311	HEX
N7R	Rock	483	19.02	323	12.72	443	17.45	283	11.15	194	428	HEX
N7SW*	Standard W/C	445	17.52	323	12.71	443	17.44	245	9.65	161	355	HEX
N7V2	Pick	467	18.39	284	11.20	476	18.74	267	10.51	126	278	HEX
N7B	Standard Bottom	444	17.49	309	12.17	443	17.44	244	9.61	153	338	HEX

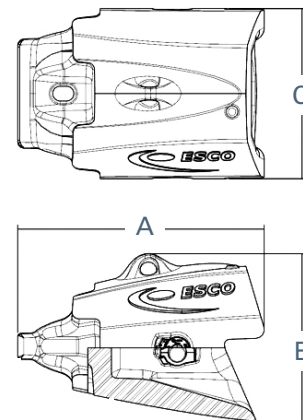
*Designed for use with wear cap adapters



Intermediate adapter



Intermediate wear cap adapter

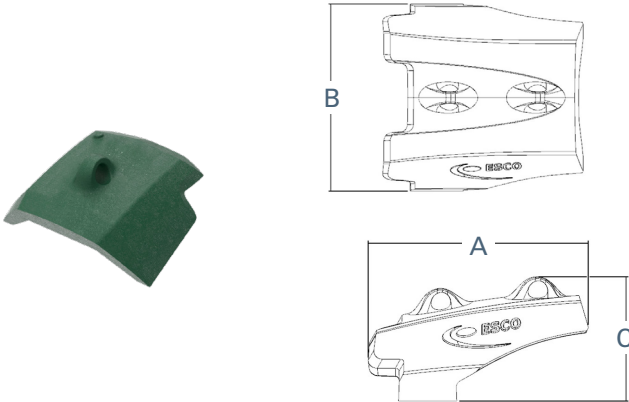


N7 Adapters

PMID	Description	Nose Size	Length A		Height B		Width C		Weight		Wear Cap
			mm	in	mm	in	mm	in	kg	lb	
N7-S145H	Nemisys-Posilok Bridge Adapter	S145	569	22.39	408	16.07	443	17.45	275	606	None
N7-S145HA*	Nemisys-Posilok Bridge Adapter	S145	569	22.39	410	16.13	456	17.95	286	631	None
N7H	Intermediate Adapter	N7	645	25.39	424	16.71	443	17.45	318	701	None
N7W	Intermediate Wear Cap Adapter	N7	645	25.39	389	15.33	442	17.39	235	517	N7WC
N7XHD	Intermediate Adapter Extra Heavy Duty	N7	715	28.14	466	18.34	443	17.45	406	895	None

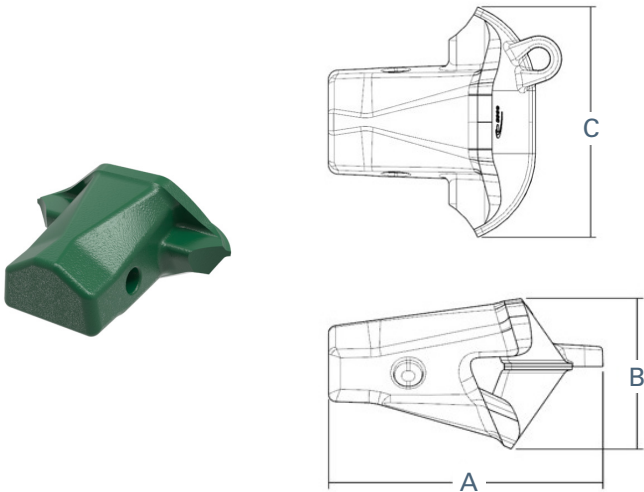
* Bridge adapter is used in conjunction with a nose insert that accepts Nemisys locks for adapter retention

Nemisys® tooth system - N7



N7 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N7WCLP-2	Cast Lip Wear Cap	297	11.70	434	17.10	211	8.30	49	108
N7WCLPA	Cast Lip Wear Cap	546	21.50	432	17.00	203	8.00	80	176
N7WC	Intermediate Adapter Wear Cap	472	18.59	441	17.37	265	10.42	75	165



N7 Weld-on Nose

PMID	Nose Size	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N7WN	N7	554	21.83	578	22.74	326	12.82	240	530

Nemisys® tooth system - N65



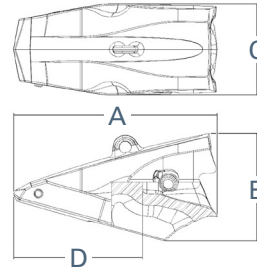
N65AP



N65S



N65VX



N65 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N65AP	Standard Abrasion	456	17.97	246	9.70	209	8.22	277	10.89	62	137	FEL
N65S	Standard	422	16.62	170	6.71	199	7.82	242	9.54	34	75	HEX
N65VX	Pick	470	18.52	183	7.19	199	7.83	289	11.36	31	68	HEX



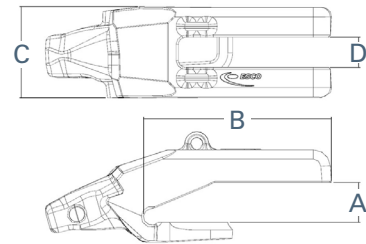
Wear cap adapter



Top wear cap adapter

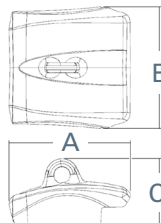
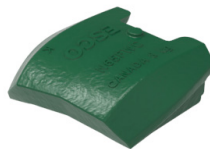


Straddle leg adapter



N65 Weld-on Adapters

PMID	Description	Lip Thickness A		Top Leg Length B		Adapter Width C		Leg Opening D		Weight		Ramp Angle	Nose Angle	Spade Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb					
N65-F90X30W	Center Wear Cap Adapter	90	3.55	401	15.78	199	7.82	--	--	66	146	30	16	0	N65F	FEL
N65-F90X30WL10	Left Wear Cap Adapter	90	3.55	314	12.38	199	7.82	--	--	67	148	30	16	10	N65F	FEL
N65-F90X30WR10	Right Wear Cap Adapter	90	3.55	314	12.38	199	7.82	--	--	67	148	30	16	10	N65F	FEL
N65-F90X30NLS	Straddle Leg Adapter	90	3.55	394	15.51	214	8.44	74	2.92	64	142	30	16	0	--	FEL
N65-F90X30NRS	Straddle Leg Adapter	90	3.55	394	15.51	214	8.44	74	2.92	64	142	30	16	0	--	FEL
N65-F75X30W	Center Wear Cap Adapter	75	3.00	367	14.45	199	7.83	--	--	69	152	30	16	0	N65F	FEL
N65-F75X30WL10	Left Wear Cap Adapter	75	3.00	385	15.16	199	7.83	--	--	67	148	30	16	0	N65F	FEL
N65-F75X30WR10	Right Wear Cap Adapter	75	3.00	385	15.16	199	7.83	--	--	67	148	30	16	0	N65F	FEL
N65-F70X30NRS	Straddle Leg Adapter	70	2.75	366	14.42	201	7.91	62	2.43	57	125	30	16	0	--	FEL
N65-F70X30NLS	Straddle Leg Adapter	70	2.75	368	14.49	201	7.91	62	2.43	57	125	30	16	0	--	FEL
N65-H70X30TW	Center Top Wear Cap Adapter	70	2.75	329	12.97	199	7.83	--	--	54	118	30	10	0	N65H	HEX
N65-H80X30W	Center Wear Cap Adapter	80	3.15	341	13.43	199	7.82	--	--	48	106	30	10	0	N65H	HEX
N65-H90X30W	Center Wear Cap Adapter	90	3.55	393	15.47	199	7.82	--	--	42	93	30	10	0	N65H	HEX
N65-H90X30TW	Center Top Wear Cap Adapter	90	3.55	354	13.92	199	7.82	--	--	56	123	30	10	0	N65H	HEX
N65-H90X30WS	Wear Cap Straddle Leg Adapter	90	3.55	393	15.47	199	7.82	70	2.75	48	106	30	10	0	N65H	HEX



N65 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N65FWC	Wheel Loader Wear Cap	192	7.54	213	8.39	70	2.75	8	18
N65HWC	Hydraulic Machine Wear Cap	172	6.76	185	7.30	63	2.49	6	12

Nemisys® tooth system - N70



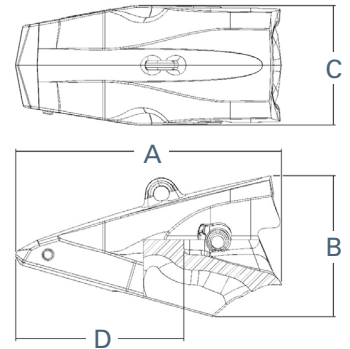
N70A

N70AG

N70AP

N70S

N70VX



N70 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N70A	Heavy Abrasion	516	20.33	308	12.12	280	11.02	319	12.54	109	240	FEL
N70AG	Abrasion-Penetration	470	18.52	286	11.27	234	9.20	272	10.70	69	152	FEL
N70AP	Standard Abrasion	539	21.23	308	12.14	237	9.34	341	13.44	98	216	FEL
N70R	Rock	464	18.25	208	8.19	223	8.76	266	10.47	50	110	HEX
N70S	Standard	539	21.23	219	8.64	232	9.13	341	13.44	47	104	HEX
N70VX	Pick	519	20.42	218	8.58	223	8.76	321	12.64	47	104	HEX



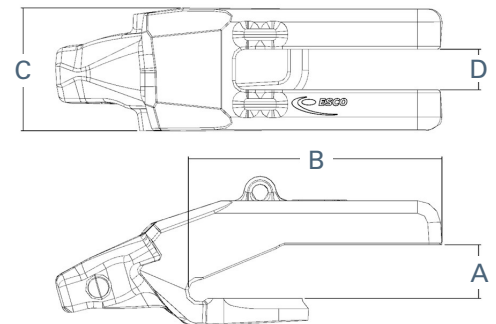
Wear cap adapter



Top wear cap adapter



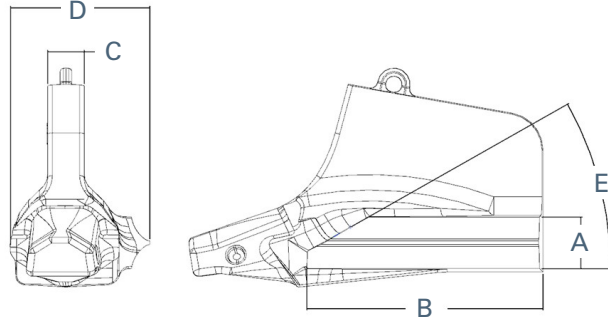
Straddle leg adapter



N70 Weld-on Adapters

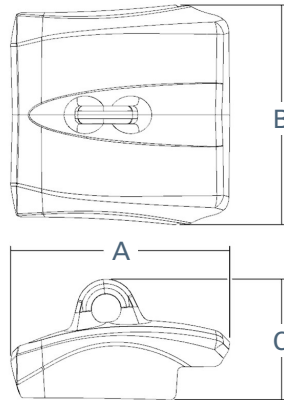
PMID	Description	Lip Thickness A		Top Leg Length B		Adapter Width C		Leg Opening D		Weight		Ramp Angle	Nose Angle	Spade Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb					
N70-F100X22W	Center Wear Cap Adapter	100	4.00	476	18.73	229	9.00	--	--	114	251	22.5	16	0	N70F	FEL
N70-F100X22NLS	Straddle Leg Adapter	100	4.00	496	19.51	240	9.44	80	3.13	115	254	22.5	16	0	None	FEL
N70-F100X22NRS	Straddle Leg Adapter	100	4.00	496	19.51	240	9.44	80	3.13	115	254	22.5	16	0	None	FEL
N70-F100X30W	Center Wear Cap Adapter	100	4.00	421	16.56	229	9.00	--	--	107	235	30	16	0	N70F	FEL
N70-F100X30NLS	Straddle Leg Adapter	100	4.00	447	17.61	240	9.44	80	3.13	110	243	30	16	0	None	FEL
N70-F100X30NRS	Straddle Leg Adapter	100	4.00	447	17.61	240	9.44	80	3.13	110	243	30	16	0	None	FEL
N70-F100X30WL10	Left Wear Cap Adapter	100	4.00	404	15.92	230	9.05	--	--	107	235	30	16	10	N70F	FEL
N70-F100X30WR10	Right Wear Cap Adapter	100	4.00	404	15.92	230	9.05	--	--	107	235	30	16	10	N70F	FEL
N70-F90X30W	Center Wear Cap Adapter	90	3.55	395	15.56	229	9.00	--	--	99	219	30	16	0	N70F	FEL
N70-F90X30NLS	Straddle Leg Adapter	90	3.55	436	17.16	231	9.11	68	2.67	94	208	30	16	0	None	FEL
N70-F90X30NRS	Straddle Leg Adapter	90	3.55	436	17.16	231	9.11	68	2.67	94	208	30	16	0	None	FEL
N70-F90X30WL10	Left Wear Cap Adapter	90	3.55	385	15.15	229	9.00	--	--	99	218	30	16	10	N70F	FEL
N70-F90X30WR10	Right Wear Cap Adapter	90	3.55	385	15.15	229	9.00	--	--	99	218	30	16	10	N70F	FEL
N70-H90X30W	Center Wear Cap Adapter	90	3.55	397	15.64	223	8.78	--	--	65	143	30	10	0	N70H	HEX
N70-H90X30WS	Wear Cap Straddle Leg Adapter	90	3.55	425	16.72	223	8.76	69	2.71	76	167	30	10	0	N70H	HEX
N70-H90X30TW	Center Top Wear Cap Adapter	90	3.55	381	14.99	223	8.76	--	--	91	201	30	10	0	N70H	HEX
N70-H100X30W	Center Wear Cap Adapter	100	4.00	397	15.64	223	8.78	--	--	57	126	30	10	0	N70H	HEX
N70-H100X30WS	Wear Cap Straddle Leg Adapter	100	4.00	440	17.34	223	8.76	83	3.27	68	150	30	10	0	N70H	HEX
N70-H100X30TW	Center Top Wear Cap Adapter	100	4.00	397	15.64	223	8.76	--	--	88	194	30	10	0	N70H	HEX

Nemisys® tooth system - N70



N70 Integral Nose Cast Corners

PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Width D		Weight		Ramp Angle	Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb			
N70IN-L	N70 Left Cast Corner	90	3.55	404	15.92	64	2.5	261	10.29	171	378	30	10	HEX
N70IN-R	N70 Right Cast Corner	90	3.55	404	15.92	64	2.50	261	10.29	171	378	30	10	HEX



N70 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N70FWC	Wheel Loader Standard	236	9.30	234	9.20	84	3.30	13	28
N70FWCH	Wheel Loader SUPER Duty	236	9.30	234	9.20	99	3.91	16	36
N70HWC	Hydraulic Machine Standard	193	7.59	209	8.24	71	2.79	8	18

Nemisys® tooth system - N70



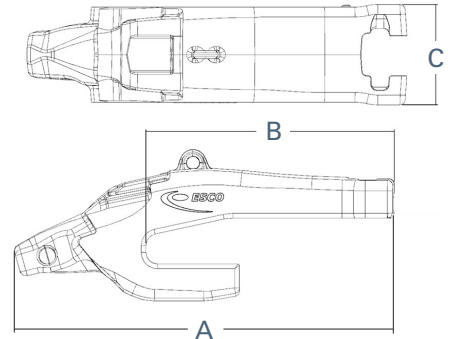
N70-T416



N70-T416L



N70-T416R



N70 T4 Mechanically Attached Adapters

PMID	Description	Length A		Top Leg Length B		Adapter Width C		Weight		Nose Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	kg	lb			
N70-T416	Center Adapter	924	36.37	607	23.90	241	9.50	188	415	16	N70F	FEL
N70-T416L	Left Corner Adapter	918	36.14	596	23.46	228	8.99	214	471	16	N70F	FEL
N70-T416R	Right Corner Adapter	918	36.14	596	23.46	228	8.99	214	471	16	N70F	FEL

Note: Boss required for mounting each adapter, see the T4 adapter boss table

Nemisys® tooth system - N90



N90R



N90RH



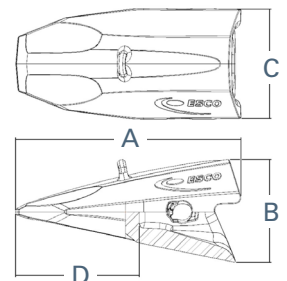
N90RXXL



N90S



N90VX



N90 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N90R	Rock	589	23.18	262	10.32	279	10.98	342	13.46	99	218	CS
N90RH	Rock Heavy	589	23.20	278	10.93	279	10.98	342	13.48	114	251	CS
N90RXXL	Rock Extra Long	639	25.17	258	10.14	279	10.98	393	15.46	112	247	CS
N90C	Chisel	599	23.60	258	10.14	279	10.98	353	13.90	103	227	HEX
N90S	Standard	587	23.10	263	10.36	279	10.98	340	13.39	85	188	HEX
N90VX	Pick	636	25.03	255	10.05	279	10.98	387	15.25	86	189	HEX

Nemisys® tooth system - N90



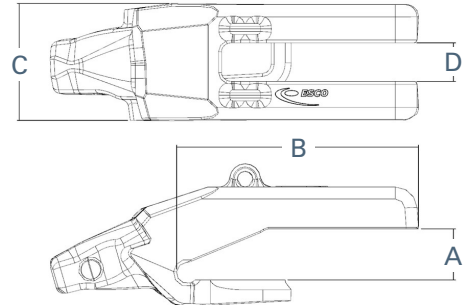
Wear cap adapter



Top wear cap adapter

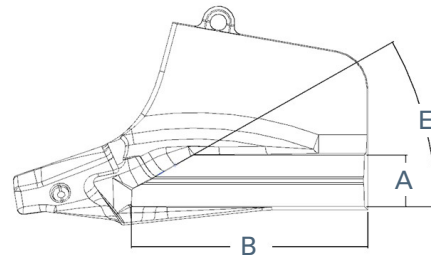
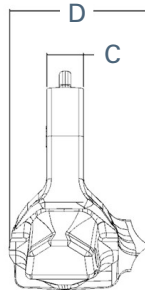
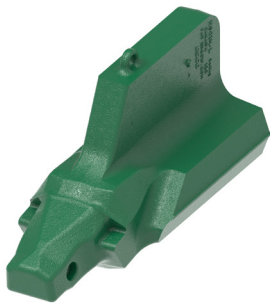


Straddle leg adapter



N90 Weld-on Adapters

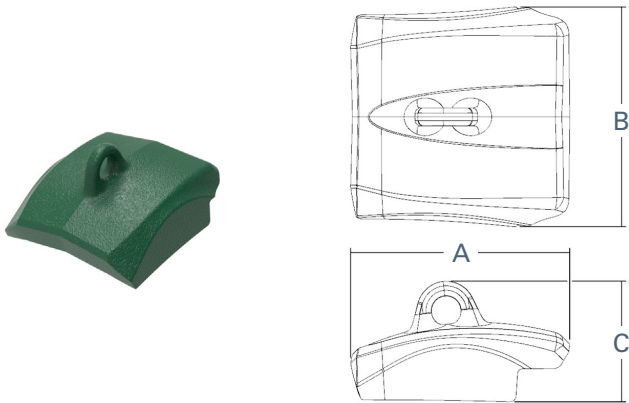
PMID	Description	Lip Thickness A		Top Leg Length B		Adapter Width C		Leg Opening D		Weight		Ramp Angle	Nose Angle	Spade Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb					
N90-H120X30W	Center Wear Cap Adapter	120	4.85	473	18.61	279	10.98	--	--	119	262	30	10	0	N90H	HEX
N90-H120X30WS	Wear Cap Straddle Leg Adapter	120	4.85	527	20.75	279	10.98	96	3.77	140	309	30	10	0	N90H	HEX
N90-H120X30TW	Center Top Wear Cap Adapter	120	4.85	473	18.61	279	10.99	--	--	133	294	30	10	0	N90H	HEX
N90-H140X30W	Center Wear Cap Adapter	140	5.50	477	18.77	279	10.98	--	--	125	275	30	10	0	N90H	HEX
N90-H140X30WS	Wear Cap Straddle Leg Adapter	140	5.50	530	20.88	279	10.98	96	3.77	133	293	30	10	0	N90H	HEX



N90 Integral Nose Cast Corners

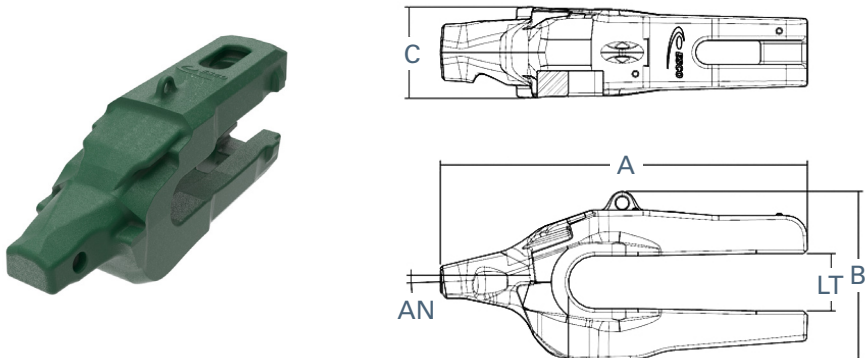
PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Width D		Weight		Ramp Angle	Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb			
N90IN-L	Left Cast Corner	130	5.18	532	20.93	89	3.52	334	13.16	347	766	30	10	HEX
N90IN-R	Right Cast Corner	130	5.18	532	20.93	89	3.52	334	13.16	347	766	30	10	HEX

Nemisys® tooth system - N90



N90 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N90WHPWC	WHP Wear Cap	261	10.29	273	10.76	167	6.56	27	59
N90WHPWCH	WHP Heavy Wear Cap	262	10.30	273	10.76	190	7.49	34	74
N90HWC	HEX Wear Cap	243	9.57	267	10.50	91	3.57	16	35



N90 Whisler Plus™ Adapters

PMID	Lip Thickness LT		Length A		Height B		Width C		Bit Length D		Weight		Nose Angle	Wear Cap
	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb		
N90-WHP10W00	171	6.75	1063	41.87	427	16.83	279	10.97	378	14.88	375	827	0	N90W
N90-WHP10W60	171	6.75	1063	41.87	417	16.43	279	10.98	378	14.88	377	832	6	N90W
N90-WHP12W20	174	6.85	1105	43.50	452	17.79	279	10.98	384	15.13	426	940	2	N90W
N90-WHP12W60	174	6.85	1105	43.50	452	17.79	279	10.98	384	15.13	425	937	6	N90W
N90-WHP600W00	161	6.33	1102	43.40	446	17.54	305	12.00	378	14.88	435	959	0	N90W

Nemisys® tooth system - N95



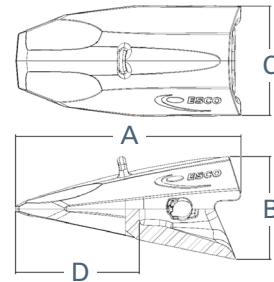
N95LA



N95LC



N95LS



N95 Points

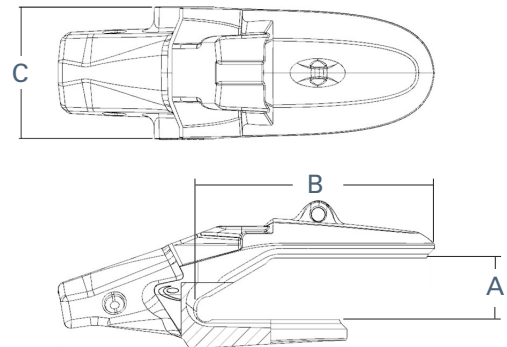
PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
N95LA	Abrasion	599	23.60	300	11.80	305	12.00	320	12.60	130	286	HEX
N95LC	Chisel	615	24.20	282	11.10	305	12.00	340	13.40	100	220	HEX
N95LS	Standard	617	24.30	269	10.60	295	11.60	338	13.30	115	253	HEX



N95-6828



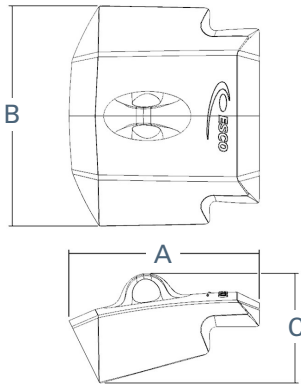
N95-6806



N95 Weld-on Adapters

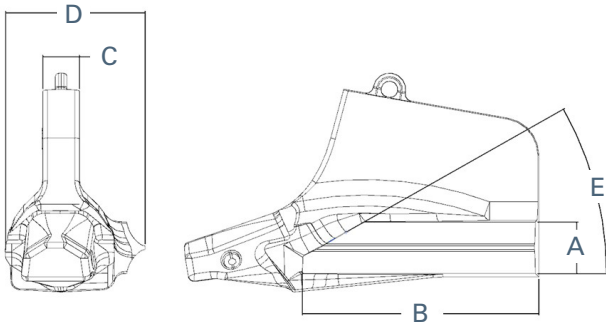
PMID	Description	Lip Thickness A		Top Leg Length B		Adapter Width C		Weight		Ramp Angle	Nose Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	kg	lb				
N95-6828	Center Wear Cap Adapter	140	5.50	762	21.95	305	12.00	168	370	30	10	N95WCW	HEX
N95-6806	Center Non-Wear Cap Adapter	140	5.50	762	21.95	305	12.00	184	405	30	10	None	HEX

Nemisys® tooth system - N95



N95 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
N95WCW	Adapter Wear Cap	259	10.20	296	11.65	155	6.11	16	35
N95WCLP	Cast Lip Wear Cap	290	11.41	298	11.73	146	5.74	20	44



N95 Integral Nose Cast Corners

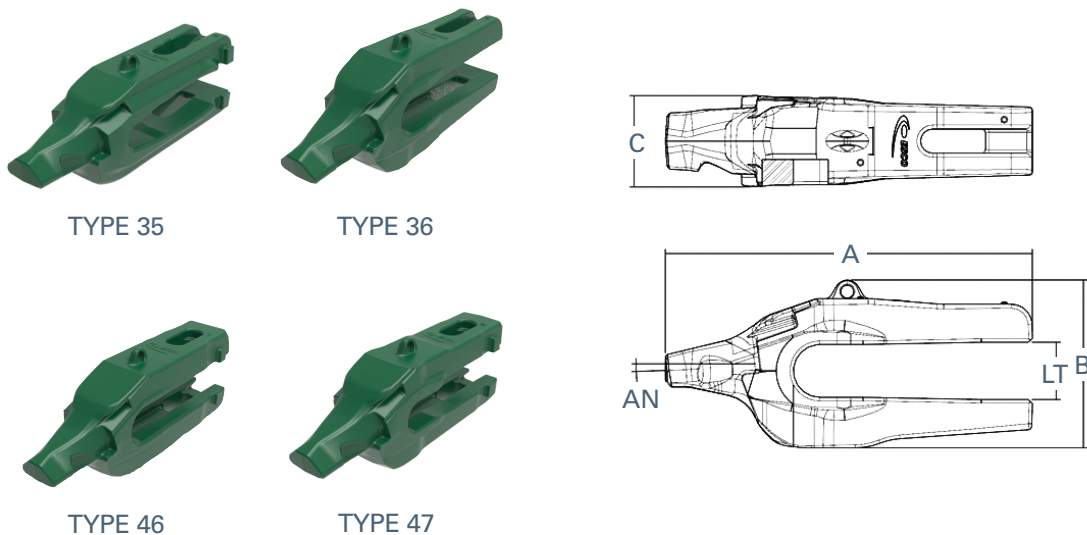
PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Width D		Weight		Ramp Angle	Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb			
N95-PWL	Left Cast Corner	140	5.50	630	24.81	100	4.00	381	15.00	472	1040	30	10	HEX
N95-PWR	Right Cast Corner	140	5.50	630	24.81	100	4.00	381	15.00	472	1040	30	10	HEX

Ultralok® tooth system - U80



U80 Points

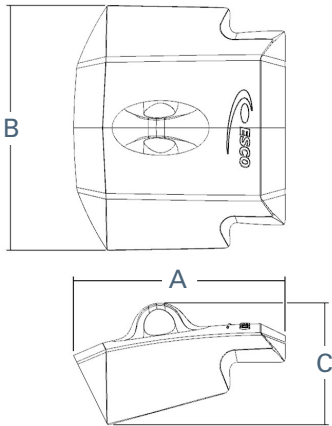
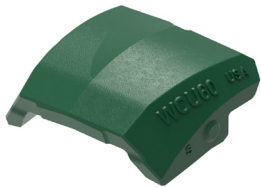
PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
U80C	Chisel	555	21.84	236	9.28	269	10.59	309	12.15	67	148	CS
U80R	Rock	554	21.83	234	9.21	266	10.49	308	12.14	75	166	CS
U80RH	Rock Heavy Duty	549	21.63	249	9.82	268	10.54	302	11.90	86	189	CS
U80RHL	Rock Heavy Duty Long	602	23.69	247	9.73	268	10.54	356	14.02	93	206	CS
U80RL	Rock Long	600	23.61	234	9.22	266	10.49	354	13.94	81	179	CS
U80RS	Rock SHORT	505	19.87	243	9.56	266	10.49	258	10.14	65	143	CS



U80 Whisler and Whisler Plus™ Adapters

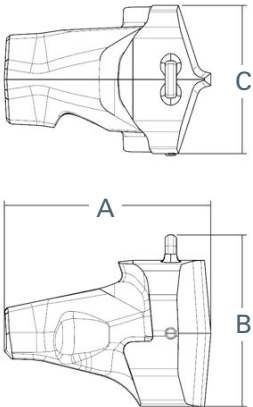
PMID	Description	Type	Lip Thickness LT		Length A		Height B		Width C		Weight		Nose Angle	Wear Cap
			mm	in	mm	in	mm	in	mm	in	kg	lb		
461A-U80	Whisler 8 W/C	35	135	5.31	961	37.84	396	15.59	257	10.13	235	518	0	WCU80/H
491A-U80	Whisler 10 W/C	36	173	6.81	1050	41.34	465	18.32	272	10.72	338	746	0	WCU80/H
WHP10W03-U80	Whisler Plus 10 W/C	47	173	6.83	1050	41.32	468	18.42	267	10.50	363	801	0	WCU80/H
WHP10W63-U80	Whisler Plus 10 W/C	46	173	6.83	1057	41.60	474	18.67	267	10.50	368	811	6	WCU80/H
WHP475W23-U80	Whisler Plus 4.75" TLC W/C	47	121	4.76	1009	39.72	443	17.46	251	9.88	326	719	2	WCU80/H

Ultralok[®] tooth system - U80



U80 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WCU80	Standard Wear Cap	243	9.55	248	9.77	125	4.93	18	40
WCU80H	Heavy Wear Cap	239	9.41	253	9.95	157	6.19	28	62



U80 Weld-on Nose

PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U80	Weld-on Nose	366	14.40	302	11.90	258	10.16	73	160

Ultralok® tooth system - U90



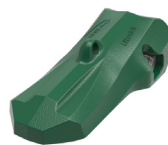
U90C



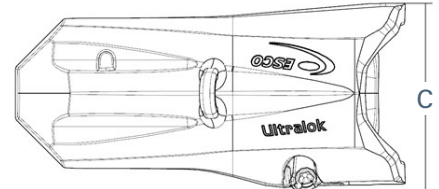
U90CH



U90P



U90R



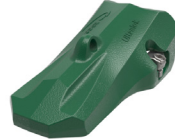
U90RH



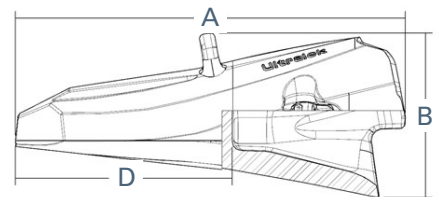
U90RHL



U90RL



U90RS



U90RT



U90RTB



U90RXL

U90 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
U90C	Chisel	610	24.02	251	9.87	294	11.57	339	13.35	87	191	HEX
U90CH	Chisel Heavy	620	24.40	268	10.55	295	11.60	351	13.80	106	233	HEX
U90P	Pick	670	26.38	252	9.93	294	11.57	398	15.67	81	178	CS
U90R	Rock	610	24.02	252	9.93	294	11.56	338	13.31	99	218	CS
U90RH	Rock Heavy Duty	610	24.00	263	10.35	294	11.59	340	13.40	115	253	CS
U90RHL	Rock Heavy Duty Long	662	26.06	263	10.35	294	11.59	392	15.43	125	276	CS
U90RL	Rock Long	660	26.00	251	9.90	292	11.50	391	15.40	107	235	CS
U90RS	Rock Short	556	21.90	251	9.90	292	11.50	284	11.20	85	187	CS
U90RT	Rock Top Wear	610	24.00	282	11.10	282	11.10	338	13.30	125	275	CS
U90RTB	Rock Top AND Bottom Wear	681	26.80	373	14.70	284	11.20	389	15.30	157	346	CS
U90RXL	Rock Extra Long	610	24.01	252	9.93	293	11.54	338	13.31	105	231	CS

Ultralok® tooth system - U90

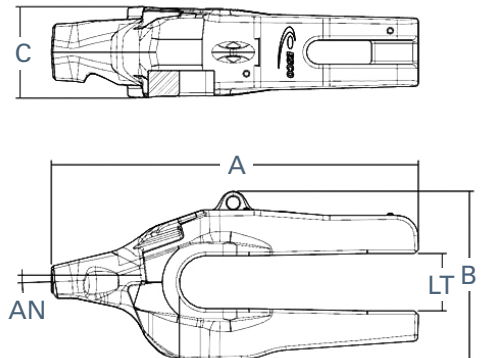


TYPE 35

TYPE 36

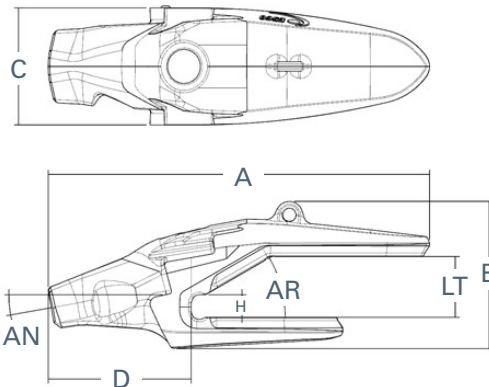
TYPE 46

TYPE 47



U90 Whisler and Whisler Plus™ Adapters

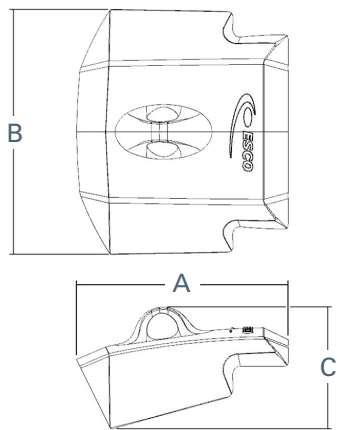
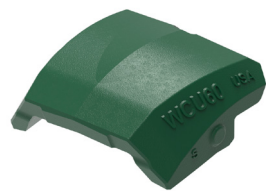
PMID	Description	Type	Lip Thickness LT		Length A		Height B		Width C		Weight		Nose Angle	Wear Cap
			mm	in	mm	in	mm	in	mm	in	kg	lb		
1415A-U90	Whisler 6" TLC W/C	35	160	6.31	1109	43.67	469	18.47	305	12.00	448	988	0	WCU90/H
1491A-U90	Whisler 12 W/C	36	173	6.83	1111	43.74	509	20.02	277	10.89	405	893	2	WCU90/H
1492A-U90	Whisler 12 Non W/C	36	173	6.83	1111	43.74	509	20.02	277	10.89	412	909	2	None
1495A-U90	Whisler 12 W/C	36	173	6.83	1115	43.90	509	20.02	281	11.05	405	893	8	WCU90/H
489B-U90	Whisler 10 W/C	36	173	6.81	1066	41.95	473	18.62	278	10.94	355	782	0	WCU90/H
WHP10W03-U90	Whisler Plus 10 W/C	47	173	6.83	1065	41.92	472	18.60	278	10.95	385	849	0	WCU90/H
WHP10W63-U90	Whisler Plus 10 W/C	47	173	6.83	1084	42.66	484	19.04	278	10.96	401	884	6	WCU90/H
WHP12N23-U90	Whisler Plus 12 Non W/C	46	174	6.85	1108	43.63	509	20.02	277	10.89	442	975	2	None
WHP12N54-U90	Whisler Plus 12 Non W/C	46	174	6.85	1110	43.72	509	20.02	277	10.91	442	975	5	None
WHP12W23-U90	Whisler Plus 12 W/C	47	174	6.85	1108	43.63	509	20.02	276	10.88	435	960	2	WCU90/H
WHP12W54-U90	Whisler Plus 12 W/C	47	174	6.85	1110	43.72	509	20.02	278	10.95	431	950	5	WCU90/H
WHP475W23-U90	Whisler Plus 4.75" TLC W/C	47	121	4.76	1034	40.72	443	17.46	277	10.89	344	758	2	WCU90/H
WHP480N02-U90	Whisler Plus 4.75" TLC Non W/C	46	125	4.94	1106	43.56	456	17.97	305	12.00	433	955	0	None
WHP480W02-U90	Whisler Plus 4.75" TLC W/C	47	125	4.94	1106	43.56	456	17.97	305	12.00	423	933	0	WCU90/H
WHP600W04-U90	Whisler Plus 6" TLC W/C	47	161	6.33	1105	43.52	494	19.46	305	12.00	440	970	0	WCU90/H
WHPL-1415A-U90	Whisler Plus Lite Non W/C	47	160	6.31	1109	43.67	469	18.47	305	12.00	443	977	0	None



U90 Weld-on Adapters

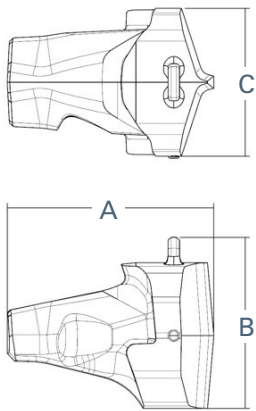
PMID	Description	Lip Thickness A		Leg Length B		Width C		Leg Opening D		Weight		Ramp Angle	Nose Angle	Wear Cap	Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb				
6806W-U90	Center Wear Cap Adapter	142	5.61	559	22.01	274	10.79	--	--	174	383	30	10	WCU90W	HEX
6810W-U90	Center Wear Cap Adapter	122	4.82	559	22.01	274	10.79	--	--	178	392	30	10	WCU90W	HEX
6842-U90	Straddle Leg Adapter	142	5.61	539	21.22	274	10.79	95	3.75	186	411	30	10	None	HEX
6838-U90	Straddle Leg Adapter	122	4.82	539	21.22	274	10.79	95	3.75	186	411	30	10	None	HEX

Ultralok® tooth system - U90



U90 Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WCU90	Standard Wear Cap	272	10.71	300	11.82	167	6.56	22	48
WCU90H	Heavy Wear Cap	272	10.71	290	11.42	173	6.81	36	80
WCU90W	HEX Only Wear Cap	258	10.14	288	11.33	95	3.74	19	41



U90 Weld-on Nose

PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-U90	Weld-on Nose	397	15.63	329	12.94	284	11.19	95	209

SV2® tooth system - 65SV2



65SV2ADHL



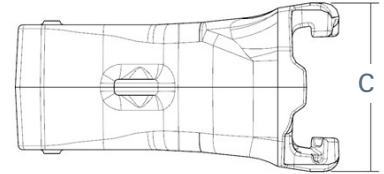
65SV2AG



65SV2AGL



65SV2RX



65SV2SD



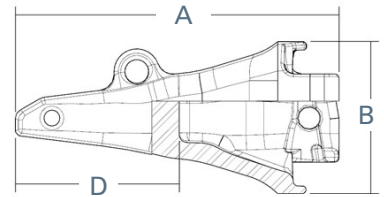
65SV2SHV



65SV2TVP



65SV2VX



65SV2 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
65SV2ADHL	Abrasion Penetration Long NCL	465	18.31	230	9.05	202	7.94	274	10.79	59	129	FEL
65SV2AG	Abrasion NCL	432	16.99	182	7.18	202	7.94	241	9.47	38	84	FEL
65SV2AGL	Abrasion Long NCL	463	18.22	184	7.24	216	8.5	272	10.69	50	110	FEL
65SV2RX	General Purpose CL	387	15.25	182	7.18	202	7.94	196	7.73	29	64	CS
65SV2SD	Chisel CL	447	17.6	182	7.18	202	7.94	256	10.07	30	67	HEX
65SV2SHV	Penetration Abrasion CL	433	17.06	183	7.22	209	8.22	242	9.53	36	79	HEX
65SV2TVP	Twin Pick CL	480	18.88	183	7.22	263	10.35	288	11.35	28	62	HEX
65SV2VX	Penetration CL	480	18.89	183	7.22	202	7.94	289	11.36	28	61	HEX

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

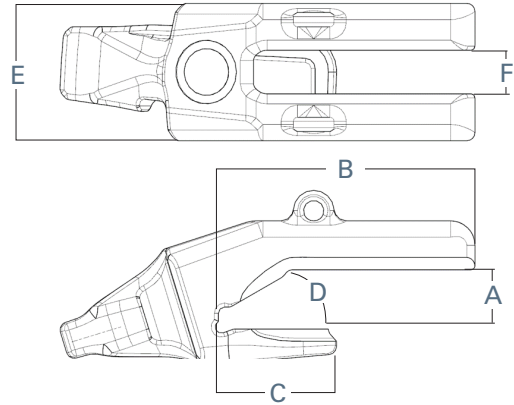
SV2® tooth system - 65SV2



Wear cap adapter



Straddle leg adapter



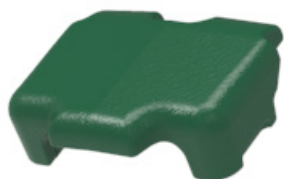
65SV2 Weld-on Adapters

PMID	Description	Type	Lip Thickness A		Top Leg Length B		Bottom Leg Length C		Ramp Angle D	Adapter Width E		Straddle Leg Opening F		Weight		Nose Angle	Machine Type	Wear Cap
			mm	in	mm	in	mm	in		mm	in	mm	in	kg	lb			
3858W-65SV2	Center Wear Cap Adapter	4	70	2.75	356	14.00	191	7.50	30	181	7.12	--	--	61	135	10	HEX	WC265
6852L-65SV2	Left Straddle Leg Adapter	4CN	70	2.75	356	14.00	184	7.25	30	181	7.12	53	2.10	67	148	10	HEX	None
6852R-65SV2	Right Straddle Leg Adapter	4CN	70	2.75	356	14.00	184	7.25	30	181	7.12	53	2.10	67	148	10	HEX	None
5898W-65SV2	Center Wear Cap Adapter	4	80	3.15	408	16.05	204	8.05	30	181	7.12	--	--	64	142	10	HEX	WC265
6803W-65SV2	Center Wear Cap Adapter	4	89	3.50	370	14.55	222	8.75	30	181	7.12	--	--	62	137	10	HEX	WC265
6840L-65SV2	Left Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	68	2.68	78	173	10	HEX	None
6840R-65SV2	Right Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	68	2.68	78	173	10	HEX	None
6858L-65SV2	Left Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	75	2.95	78	173	10	HEX	None
6858R-65SV2	Right Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	75	2.95	78	173	10	HEX	None
5869LW-65SV2**	Left Wear Cap Adapter	5	64	2.50	408	16.05	217	8.55	25	181	7.12	--	--	67	148	17	FEL	WC265
5869RW-65SV2**	Right Wear Cap Adapter	5	64	2.50	408	16.05	217	8.55	25	181	7.12	--	--	67	148	17	FEL	WC265
5869W-65SV2	Center Wear Cap Adapter	4	64	2.50	408	16.05	217	8.55	25	181	7.12	--	--	67	148	17	FEL	WC265
5903LW-65SV2	Left Wear Cap Adapter	5	64	2.50	406	16.00	216	8.50	23	181	7.12	--	--	68	150	17	FEL	WC265
5903RW-65SV2	Right Wear Cap Adapter	5	64	2.50	406	16.00	216	8.50	23	181	7.12	--	--	68	150	17	FEL	WC265
5903W-65SV2	Center Wear Cap Adapter	4	64	2.50	408	16.05	217	8.55	23	181	7.12	--	--	67	148	17	FEL	WC265
5904LW-65SV2	Left Wear Cap Adapter	5	70	2.75	406	16.00	216	8.50	23	181	7.12	--	--	65	144	17	FEL	WC265
5904RW-65SV2	Right Wear Cap Adapter	5	70	2.75	406	16.00	216	8.50	23	181	7.12	--	--	65	144	17	FEL	WC265
5904W-65SV2	Center Wear Cap Adapter	4	70	2.75	408	16.05	217	8.55	23	181	7.12	--	--	65	144	17	FEL	WC265
6812LW-65SV2**	Left Wear Cap Adapter	5	70	2.75	406	16.00	216	8.50	30	181	7.12	--	--	65	144	17	FEL	WC265
6812RW-65SV2**	Right Wear Cap Adapter	5	70	2.75	406	16.00	216	8.50	30	181	7.12	--	--	65	144	17	FEL	WC265
6812W-65SV2	Center Wear Cap Adapter	4	70	2.75	408	16.05	217	8.55	30	181	7.12	--	--	65	144	17	FEL	WC265
6853L-65SV2	Left Straddle Leg Adapter	4CN	70	2.75	356	14.00	184	7.25	30	181	7.12	53	2.10	73	160	17	FEL	None
6853R-65SV2	Right Straddle Leg Adapter	4CN	70	2.75	356	14.00	184	7.25	30	181	7.12	53	2.10	73	160	17	FEL	None
6857L-65SV2	Left Straddle Leg Adapter	4CN	70	2.75	356	14.03	356	14.03	30	181	7.12	53	2.10	84	186	17	FEL	WC365L
6857R-65SV2	Right Straddle Leg Adapter	4CN	70	2.75	356	14.03	356	14.03	30	181	7.12	53	2.10	84	186	17	FEL	WC365R
1857LW-65SV2**	Left Wear Cap Adapter	5	76	3.00	473	18.64	295	11.63	25	181	7.12	--	--	85	188	17	FEL	WC265
1857RW-65SV2**	Right Wear Cap Adapter	5	76	3.00	473	18.64	295	11.63	25	181	7.12	--	--	85	188	17	FEL	WC265
5905LW-65SV2	Left Wear Cap Adapter	5	76	3.00	482	18.96	304	11.96	23	181	7.12	--	--	85	188	17	FEL	WC265
5905RW-65SV2	Right Wear Cap Adapter	5	76	3.00	482	18.96	304	11.96	22.5	181	7.12	--	--	85	188	17	FEL	WC265
5905W-65SV2	Center Wear Cap Adapter	4	76	3.00	458	18.05	281	11.05	23	181	7.12	--	--	85	188	17	FEL	WC265
6830LW-65SV2**	Left Wear Cap Adapter	5	76	3.00	473	18.64	296	11.64	30	181	7.12	--	--	85	187	17	FEL	WC265
6830RW-65SV2**	Right Wear Cap Adapter	5	76	3.00	473	18.64	296	11.64	30	181	7.12	--	--	85	187	17	FEL	WC265
6831W-65SV2	Center Wear Cap Adapter	4	76	3.00	458	18.05	281	11.05	30	181	7.12	--	--	83	183	17	FEL	WC265
5838LW-65SV2**	Left Wear Cap Adapter	5	89	3.50	413	16.25	242	9.53	30	181	7.12	--	--	67	148	17	FEL	WC265
5838RW-65SV2**	Right Wear Cap Adapter	5	89	3.50	413	16.25	242	9.53	30	181	7.12	--	--	67	148	17	FEL	WC265
5839W-65SV2	Center Wear Cap Adapter	4	89	3.50	414	16.30	243	9.58	30	181	7.12	--	--	67	148	17	FEL	WC265
5840L-65SV2	Left Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	68	2.68	78	173	17	FEL	None
5840R-65SV2	Right Straddle Leg Adapter	4CN	89	3.50	400	15.75	184	7.25	30	214	8.44	68	2.68	78	173	17	FEL	None

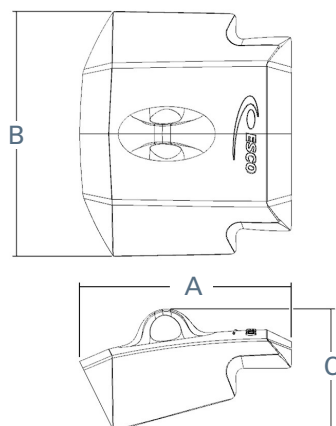
* PMID "W" indicates wear cap style adapter, uses WC265

** 10° spade angle

SV2® tooth system - 65SV2



Center wear cap



Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WC265	Center Adapter Wear Cap	183	7.22	221	8.69	71	2.81	8	17
WC365L	Corner Adapter Wear Cap	425	16.74	241	9.49	227	8.92	38	84
WC365R	Corner Adapter Wear Cap	425	16.74	241	9.49	227	8.92	38	84



65SV2 Pin Assemblies

PMID	Description	Length		Weight	
		mm	in	kg	lb
65SV2PN-C	Standard Pin Assembly	152	5.98	1	3
65SV2PN-C-C	Cold Weather Pin Assembly	152	5.98	1	3
65SV2PN-C-H	Hot Slag Pin Assembly	152	5.98	1	3



Type 1 tool for
standard applications

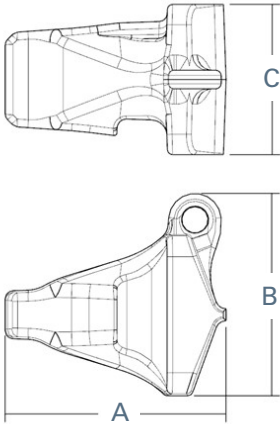


Type 2 tools for applications
with increased fines

Removal Tools

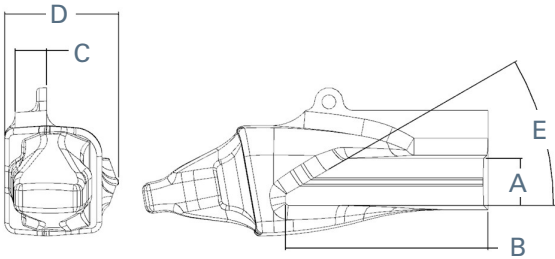
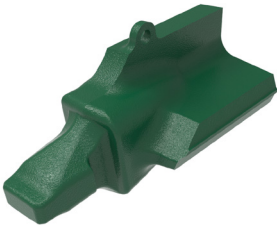
PMID	Description	Weight	
		kg	lb
65-70SV2PN-RT	Standard Pin Removal Tool	3	7
65-70SV2PN-RT2	High Fines Removal Tool	4	8

SV2[®] tooth system - 65SV2



Weld-on Nose

PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-65SV2	65SV2 Weld-on Nose	267	10.50	244	9.59	181	7.12	31	68



65SV2 Integral Nose Cast Corners

PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Corner Width D		Ramp Angle E	Weight		Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in		kg	lb		
IN-65SV2L	65SV2 Cast Corner	70	2.75	354	13.93	60	2.36	251	9.88	30	122	268	10	HEX
IN-65SV2R	65SV2 Cast Corner	70	2.75	354	13.93	60	2.36	251	9.88	30	122	268	10	HEX

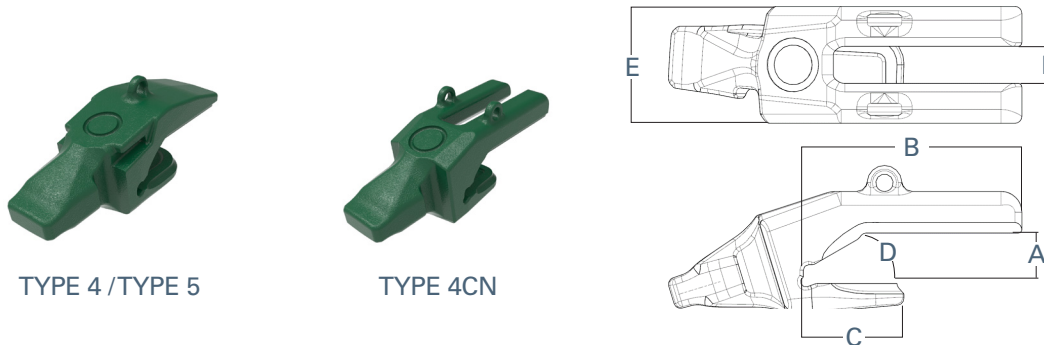
SV2® tooth system - 70SV2



70SV2 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
70SV2ADHL	Abrasion Penetration Long NCL	520	20.48	256	10.08	230	9.04	310	12.22	88	194	FEL
70SV2ADHLX	Abrasion Penetration Heavy NCL	520	20.48	273	10.75	279	11	310	12.22	112	247	FEL
70SV2AG	Abrasion Heavy CL	482	18.96	200	7.89	230	9.04	272	10.7	56	124	FEL
70SV2RX	General Purpose CL	429	16.9	200	7.89	230	9.04	219	8.64	42	93	HEX
70SV2RXL	Shovel Dipper CL	488	19.23	200	7.89	230	9.04	279	10.97	50	110	HEX
70SV2SD	Chisel CL	499	19.65	200	7.89	230	9.04	289	11.39	43	94	HEX
70SV2SDP	Chisel Taper CL	499	19.65	200	7.89	230	9.04	290	11.4	44	98	HEX
70SV2VX	Penetration CL	531	20.91	200	7.89	230	9.04	321	12.65	40	88	HEX

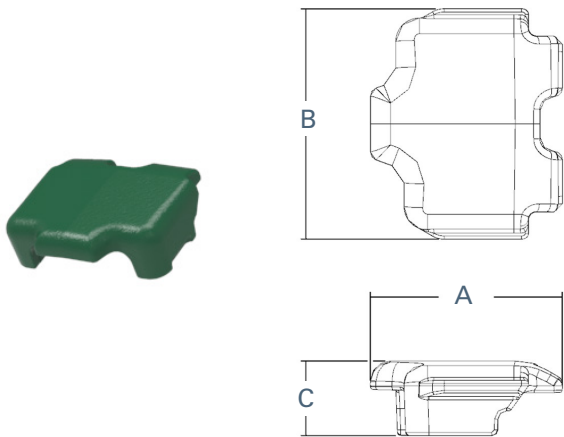
*CL: Centerline Design; NCL: Non-Centerline Design



70SV2 Weld-on Adapters

PMID	Description	Type	Lip Thickness A		Top Leg Length B		Bottom Leg Length C		Ramp Angle D	Adapter Width E		Straddle Leg Opening F		Weight		Nose Angle	Machine Type	Wear Cap
			mm	in	mm	in	mm	in		mm	in	mm	in	kg	lb			
6803W-70SV2	Center Wear Cap Adapter	4	89	3.50	399	15.70	243	9.55	30	214	8.44	--	--	92	202	10	HEX	WC270
6840L-70SV2	Left Straddle Leg Adapter	4CN	89	3.50	419	16.50	197	7.75	30	214	8.44	68	2.68	96	212	10	HEX	None
6840R-70SV2	Right Straddle Leg Adapter	4CN	89	3.50	419	16.50	197	7.75	30	214	8.44	68	2.68	96	212	10	HEX	None
6839L-70SV2	Left Straddle Leg Adapter	4CN	102	4.00	470	18.50	216	8.50	30	233	9.19	79	3.12	115	254	10	HEX	None
6839R-70SV2	Right Straddle Leg Adapter	4CN	102	4.00	470	18.50	216	8.50	30	233	9.19	79	3.12	115	254	10	HEX	None
5891W-70SV2	Center Wear Cap Adapter	4	102	4.00	449	17.67	274	10.78	30	214	8.44	--	--	101	223	10	HEX	WC270
6854W-70SV2	Center Wear Cap Adapter	4	89	3.50	399	15.70	243	9.55	30	214	8.44	--	--	94	207	17	FEL	WC270
6855L-70SV2	Left Straddle Leg Adapter	4CN	89	3.50	419	16.50	197	7.75	30	214	8.44	68	2.68	96	211	17	FEL	None
6855R-70SV2	Right Straddle Leg Adapter	4CN	89	3.50	419	16.50	197	7.75	30	214	8.44	68	2.68	96	211	17	FEL	None
6861LW-70SV2	Left Wear Cap Adapter	5	89	3.50	421	16.57	243	9.57	30	214	8.44	--	--	102	224	17	FEL	WC270
6861RW-70SV2	Right Wear Cap Adapter	5	89	3.50	421	16.57	243	9.57	30	214	8.44	--	--	102	224	17	FEL	WC270
5896W-70SV2	Center Wear Cap Adapter	4	102	4.00	475	18.72	289	11.37	30	214	8.44	--	--	107	235	17	FEL	WC270
5894LW-70SV2	Left Wear Cap Adapter	5	102	4.00	475	18.72	289	11.37	30	214	8.44	--	--	107	235	17	FEL	WC270
5894RW-70SV2	Right Wear Cap Adapter	5	102	4.00	475	18.72	289	11.37	30	214	8.44	--	--	107	235	17	FEL	WC270
6841L-70SV2	Left Straddle Leg Adapter	4CN	102	4.00	470	18.50	216	8.50	30	233	9.19	79	3.12	112	246	17	FEL	None
6841R-70SV2	Right Straddle Leg Adapter	4CN	102	4.00	470	18.50	216	8.50	30	233	9.19	79	3.12	112	246	17	FEL	None
6814W-70SV2	Center Wear Cap Adapter	4	102	4.00	475	18.72	289	11.37	22.5	214	8.44	--	--	107	235	17	FEL	WC270

SV2® tooth system - 70SV2



Wear Cap

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WC270	Center Adapter Wear Cap	200	7.88	249	9.81	80	3.15	11	25



70SV2 Pin Assemblies

PMID	Description	Length		Weight	
		mm	in	kg	lb
70SV2PN-C	Standard Pin Assembly	152	5.98	1	3
70SV2PN-C-C	Cold Weather Pin Assembly	152	5.98	1	3
70SV2PN-C-H	Hot Slag Pin Assembly	152	5.98	1	3



Type 1 tool for standard applications

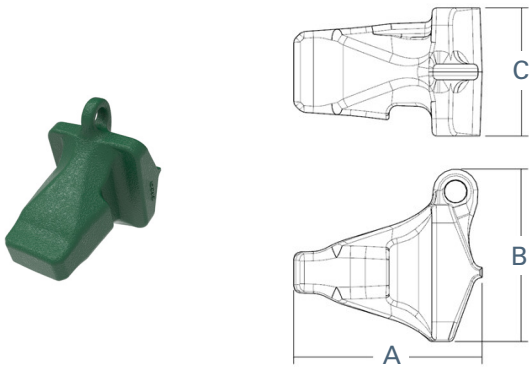


Type 2 tools for applications with increased fines

Removal Tools

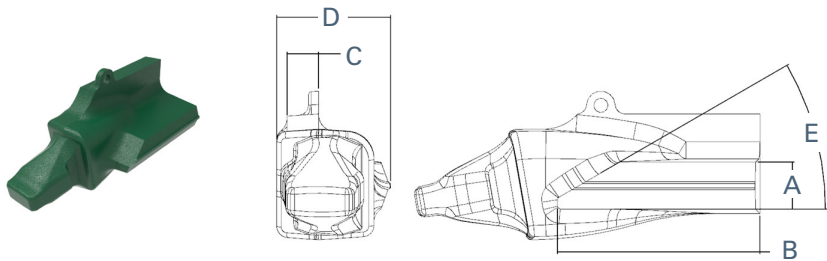
PMID	Description	Weight	
		kg	lb
65-70SV2PN-RT	Standard Pin Removal Tool	3	7
65-70SV2PN-RT2	High Fines Removal Tool	4	8

SV2[®] tooth system - 70SV2



Weld-on Nose

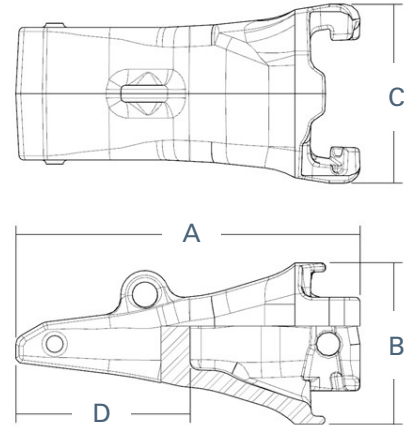
PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-70SV2	70SV2 Weld-on Nose	282	11.09	270	10.64	214	8.44	40	89



70SV2 Integral Nose Cast Corners

PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Corner Width D		Ramp Angle E	Weight		Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in		kg	lb		
IN-70SV2L	70SV2 Cast Corner	89	3.50	405	15.94	70	2.75	251	9.87	30	151	334	10	HEX
IN-70SV2R	70SV2 Cast Corner	89	3.50	405	15.94	70	2.75	251	9.87	30	151	334	10	HEX

SV2® tooth system - 75SV2



75SV2 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
75SV2ADB	Abrasion Penetration NCL	556	21.89	262	10.32	264	10.4	321	12.62	94	208	FEL
75SV2ADHL	Abrasion Penetration Long NCL	585	23.02	279	10.99	283	11.16	349	13.75	115	253	FEL
75SV2AG	Abrasion NCL	522	20.57	228	8.98	264	10.4	287	11.3	73	160	FEL
75SV2RHXL	Shovel Dipper Heavy Long CL	608	23.92	227	8.94	274	10.78	372	14.65	98	215	CS
75SV2RX	General Purpose CL	479	18.87	228	8.98	264	10.4	244	9.6	61	134	CS
75SV2RXL	Shovel Dipper CL	563	22.15	228	8.98	264	10.4	327	12.88	74	164	CS
75SV2RXX	Shovel Dipper Heavy Impact CL	544	21.42	228	8.98	266	10.46	309	12.15	83	184	CS
75SV2RXXL	Shovel Dipper Long CL	608	23.92	228	8.98	274	10.78	372	14.65	94	207	CS
75SV2SD	Chisel CL	541	21.29	228	8.98	264	10.4	305	12.02	62	136	HEX
75SV2VX	Penetration CL	585	23.05	228	8.98	264	10.4	350	13.78	56	124	HEX

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

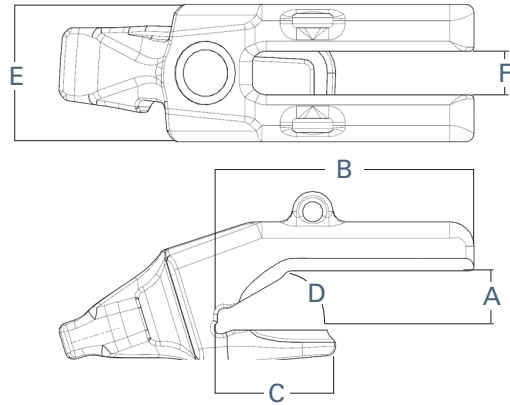
SV2® tooth system - 75SV2



TYPE 4 /TYPE 5



TYPE 4CN



75SV2 Adapters

PMID	Description	Type	Lip Thickness A		Top Leg Length B		Bottom Leg Length C		Ramp Angle D	Adapter Width E		Straddle Leg Opening F		Weight		Nose Angle	Machine Type	Wear Cap
			mm	in	mm	in	mm	in		mm	in	mm	in	kg	lb			
5897W-75SV2	Center Wear Cap Adapter	4	102	4.00	464	18.26	279	10.97	30	241	9.50	--	--	140	308	10	HEX	WC275
6839L-75SV2	Left Straddle Leg Adapter	4CN	102	4.00	495	19.50	229	9.00	30	241	9.50	79	3.12	147	325	10	HEX	None
6839R-75SV2	Right Straddle Leg Adapter	4CN	102	4.00	495	19.50	229	9.00	30	241	9.50	79	3.12	147	325	10	HEX	None
6810W-75SV2	Center Wear Cap Adapter	4	121	4.75	542	21.32	329	12.95	30	241	9.50	--	--	149	328	10	HEX	WC275
6838L-75SV2	Left Straddle Leg Adapter	4CN	121	4.75	508	20.00	229	9.00	30	262	10.30	93	3.66	161	355	10	HEX	None
6838R-75SV2	Right Straddle Leg Adapter	4CN	121	4.75	508	20.00	229	9.00	30	262	10.30	93	3.66	161	355	10	HEX	None
6847W-75SV2	Center Wear Cap Adapter	4	102	4.00	542	21.32	329	12.95	30	241	9.50	--	--	165	364	17	FEL	WC275
6848LW-75SV2	Left Wear Cap Adapter	5	102	4.00	562	22.12	349	13.75	30	241	9.50	--	--	167	368	17	FEL	WC275
6848RW-75SV2	Right Wear Cap Adapter	5	102	4.00	562	22.12	349	13.75	30	241	9.50	--	--	167	368	17	FEL	WC275
6849L-75SV2	Left Straddle Leg Adapter	4CN	102	4.00	508	20.00	229	9.00	30	241	9.50	79	3.12	140	309	17	FEL	None
6849R-75SV2	Right Straddle Leg Adapter	4CN	102	4.00	508	20.00	229	9.00	30	241	9.50	79	3.12	140	309	17	FEL	None
6843W-75SV2	Center Wear Cap Adapter	4	121	4.75	542	21.32	329	12.95	30	241	9.50	--	--	156	345	17	FEL	WC275
6844LW-75SV2	Left Wear Cap Adapter	5	121	4.75	569	22.42	357	14.05	30	241	9.50	--	--	154	339	17	FEL	WC275
6844RW-75SV2	Right Wear Cap Adapter	5	121	4.75	569	22.42	357	14.05	30	241	9.50	--	--	154	339	17	FEL	WC275
6845L-75SV2	Left Straddle Leg Adapter	4CN	121	4.75	508	20.00	229	9.00	30	262	10.30	78	3.07	174	384	17	FEL	None
6845R-75SV2	Right Straddle Leg Adapter	4CN	121	4.75	508	20.00	229	9.00	30	262	10.30	78	3.07	174	384	17	FEL	None



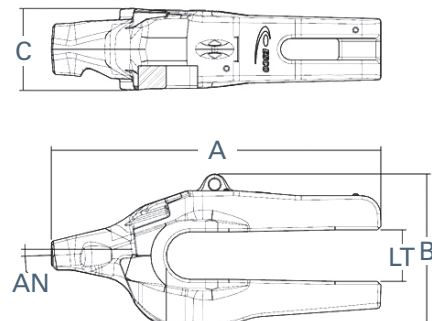
TYPE 35



TYPE 36



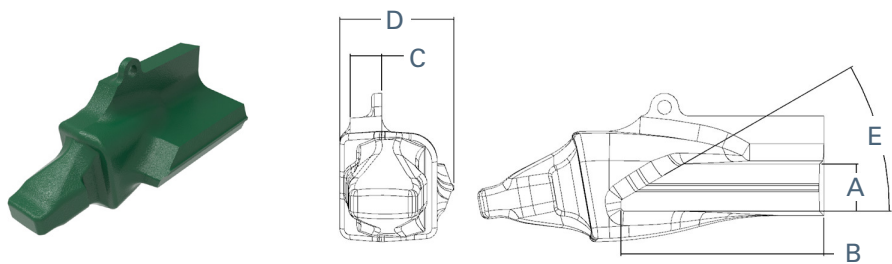
TYPE 47



75SV2 Whisler and Whisler Plus™ Adapters

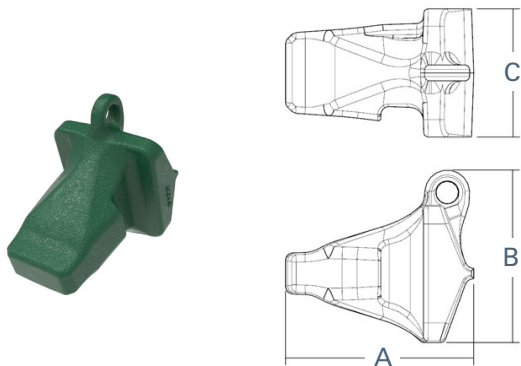
PMID	Description	Type	Lip Thickness LT		Length A		Height B		Width C		Bit Length D		Weight		Nose Angle	Wear Cap
			mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb		
1411-75SV2	Whisler 12 W/C	36	120	4.74	959	37.75	436	17.17	216	8.50	349	13.75	281	619	2	WC175
461-75SV2	Whisler 8 W/C	36	135	5.31	959	37.76	397	15.64	229	9.00	353	13.88	224	494	0	WC175
478-75SV2	Whisler 8 Non W/C	35	135	5.31	959	37.76	397	15.64	229	9.00	353	13.88	243	535	0	None
491-75SV2	Whisler 10 W/C	36	183	7.19	1048	41.25	464	18.28	254	10.00	362	14.25	336	740	0	WC175
495-75SV2	Whisler 10 W/C	36	173	6.81	1053	41.46	474	18.65	254	10.00	367	14.46	327	720	6	WC175
WHP10W02-75SV2	Whisler Plus 10 W/C	47	173	6.83	1048	41.25	467	18.38	267	10.50	362	14.25	356	784	0	WC175
WHP10W62-75SV2	Whisler Plus 10 W/C	47	173	6.83	1053	41.46	472	18.59	267	10.50	367	14.46	366	807	6	WC175
WHP475W22-75SV2	Whisler Plus 4.75" TLC W/C	47	121	4.76	982	38.67	447	17.60	241	9.50	362	14.24	311	686	2	WC175

SV2[®] tooth system - 75SV2



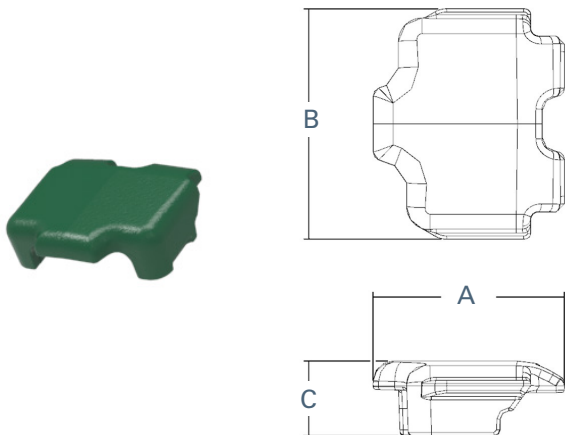
75SV2 Integral Nose Cast Corners

PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Corner Width D		Ramp Angle	Weight		Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in		kg	lb		
IN-75SV2L	75SV2 Cast Corner	102	4.00	441	17.36	70	2.75	253	9.96	30	205	451	10	HOE/HFS
IN-75SV2R	75SV2 Cast Corner	102	4.00	441	17.36	70	2.75	253	9.96	30	205	451	10	HOE/HFS



Weld-on Nose

PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-75SV2	75SV2 Weld-on Nose	324	12.75	311	12.26	241	9.50	61	135



Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WC175	Whisler Wear Cap	272	10.70	249	9.82	129	5.07	30	67
WC275	Center Adapter Wear Cap	224	8.82	258	10.16	90	3.54	16	36

SV2[®] tooth system - 75SV2



75SV2 Pin Assemblies

PMID	Description	Length		Weight	
		mm	in	kg	lb
75SV2PN-C	Standard Pin Assembly	152	5.98	1	3
75SV2PN-C-C	Cold Weather Pin Assembly	152	5.98	1	3
75SV2PN-C-H	Hot Slag Pin Assembly	152	5.98	1	3



Type 1 tool for
standard applications



Type 2 tools for applications
with increased fines

Removal Tools

PMID	Description	Weight	
		kg	lb
75-85SV2PN-RT	Standard Pin Removal Tool	3	7
75-85SV2PN-RT2	High Fines Removal Tool	4	8

SV2® tooth system - 85SV2



85SV2CHD



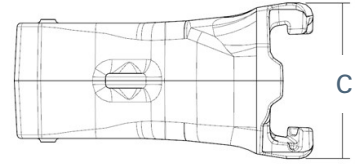
85SV2RHXL



85SV2RMX



85SV2RX



85SV2RXL



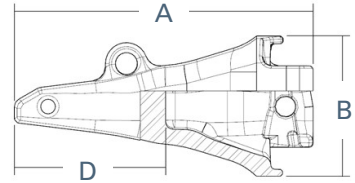
85SV2RXXL



85SV2SD



85SV2VX



85SV2 Points

PMID	Description	Length A		Height B		Width C		Bit Length D		Weight		Machine Type
		mm	in	mm	in	mm	in	mm	in	kg	lb	
85SV2CHD	Shovel Dipper Heavy NCL	591	23.25	249	9.81	280	11.04	329	12.94	98	217	CS
85SV2RHXL	Shovel Dipper Heavy Long CL	646	25.42	250	9.84	285	11.24	384	15.1	117	259	CS
85SV2RMX	Shovel Dipper Heavy CL	600	23.62	250	9.84	285	11.24	338	13.3	108	238	CS
85SV2RX	General Purpose CL	531	20.92	250	9.84	285	11.24	269	10.6	80	176	CS
85SV2RXL	Shovel Dipper CL	600	23.62	250	9.84	285	11.24	338	13.3	91	200	CS
85SV2RXXL	Shovel Dipper Long CL	646	25.42	250	9.84	285	11.24	384	15.1	112	248	CS
85SV2SD	Chisel CL	599	23.6	250	9.84	285	11.24	337	13.28	82	181	HEX
85SV2VX	Penetration CL	651	25.63	250	9.84	285	11.24	389	15.31	76	167	HEX

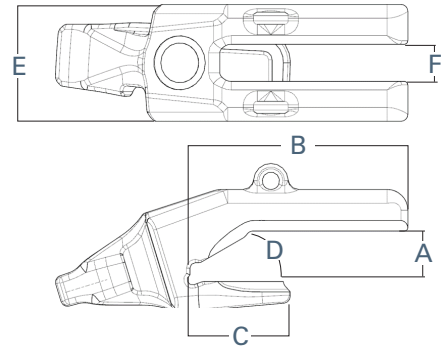
*CL: Centerline Design; NCL: Non-Centerline Design



TYPE 4 / TYPE 5



TYPE 4CN



85SV2 Adapters

PMID	Description	Type	Lip Thickness A		Top Leg Length B		Bottom Leg Length C		Ramp Angle	Adapter Width E		Straddle Leg Opening F		Weight		Nose Angle	Machine Type	Wear Cap
			mm	in	mm	in	mm	in		mm	in	mm	in	kg	lb			
6810W-85SV2	Center Wear Cap Adapter	4	121	4.75	542	21.32	329	12.95	30	262	10.30	--	--	178	393	10	HEX	WC285
6838L-85SV2	Left Straddle Leg Adapter	4CN	121	4.75	540	21.25	229	9.00	30	262	10.30	93	3.66	185	407	10	HEX	None
6838R-85SV2	Right Straddle Leg Adapter	4CN	121	4.75	540	21.25	229	9.00	30	262	10.30	93	3.66	185	407	10	HEX	None
6842L-85SV2	Left Straddle Leg Adapter	4CN	140	5.50	540	21.25	254	10.00	30	262	10.30	93	3.66	192	423	10	HEX	None
6842R-85SV2	Right Straddle Leg Adapter	4CN	140	5.50	540	21.25	254	10.00	30	262	10.30	93	3.66	192	423	10	HEX	None
6806W-85SV2	Center Wear Cap Adapter	4	140	5.50	561	22.07	329	12.95	30	262	10.30	--	--	194	428	10	HEX	WC285

SV2® tooth system - 85SV2



TYPE 35



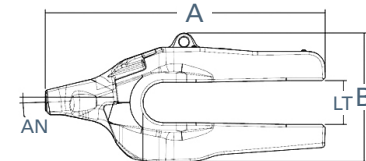
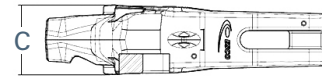
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TYPE 46

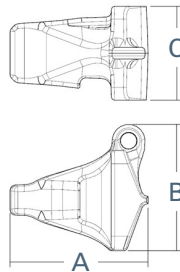


TYPE 47



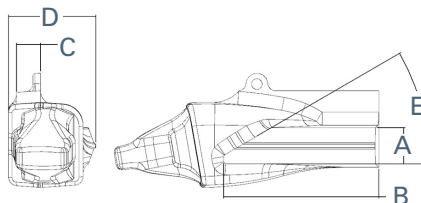
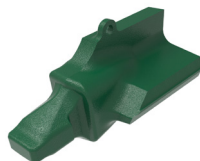
85SV2 Whisler AND Whisler Plus™ Adapters

PMID	Description	Type	Lip Thickness LT		Length A		Height B		Width C		Weight		Nose Angle	Wear Cap
			mm	in	mm	in	mm	in	mm	in	kg	lb		
1415-85SV2	Whisler 6" TLC W/C	36	160	6.31	1108	43.62	473	18.62	305	12.00	426	940	0	WC185
1491-85SV2	Whisler 12 W/C	36	173	6.83	1106	43.53	510	20.06	267	10.50	410	904	2	WC185
1492-85SV2	Whisler 12 Non W/C	35	171	6.75	1106	43.53	536	21.12	267	10.50	437	963	2	None
1495-85SV2	Whisler 12 W/C	36	173	6.83	1108	43.63	510	20.06	267	10.50	411	906	8	WC185
1496-85SV2	Whisler 12 Non W/C	35	173	6.83	1107	43.58	494	19.44	267	10.50	408	900	5	None
456B-85SV2	Whisler 8 Non W/C	35	135	5.31	986	38.80	457	18.01	229	9.00	303	667	0	None
489A-85SV2	Whisler 10 W/C	36	173	6.81	1064	41.88	474	18.65	267	10.50	361	796	0	WC185
498-85SV2	Whisler 10 Non W/C	35	173	6.81	1059	41.71	455	17.92	267	10.50	357	786	3	None
WHP10W02-85SV2	Whisler Plus 10 W/C	47	173	6.83	1064	41.88	478	18.83	267	10.50	381	841	0	WC185
WHP10W62-85SV2	Whisler Plus 10 W/C	47	173	6.83	1080	42.50	487	19.19	267	10.50	401	884	6	WC185
WHP12N22-85SV2	Whisler Plus 12 Non W/C	46	174	6.85	1105	43.52	510	20.06	267	10.50	453	998	2	None
WHP12N53-85SV2	Whisler Plus 12 Non W/C	46	174	6.85	1106	43.54	510	20.06	267	10.50	450	993	5	None
WHP12W22-85SV2	Whisler Plus 12 W/C	47	174	6.85	1105	43.52	510	20.06	267	10.50	446	984	2	WC185
WHP12W53-85SV2	Whisler Plus 12 W/C	47	174	6.85	1106	43.54	510	20.06	267	10.50	436	962	5	WC185
WHP475W22-85SV2	Whisler Plus 4.75" TLC W/C	47	121	4.76	1009	39.73	447	17.60	241	9.50	332	733	2	WC185
WHP480W01-85SV2	Whisler Plus 4.75" TLC W/C	47	125	4.94	1104	43.48	473	18.62	305	12.00	427	941	0	WC185
WHP600W03-85SV2	Whisler Plus 6" TLC W/C	47	161	6.33	1103	43.44	498	19.61	305	12.00	449	989	0	WC185
WHPL-1415-85SV2	Whisler Plus LITE 6" TLC W/C	47	160	6.31	1108	43.62	473	18.62	305	12.00	421	929	0	None
WHPL-489A-85SV2	Whisler Plus LITE 10 Non W/C	46	173	6.81	1064	41.88	474	18.65	267	10.50	220	485	0	WC185



85SV2 Weld-on Nose

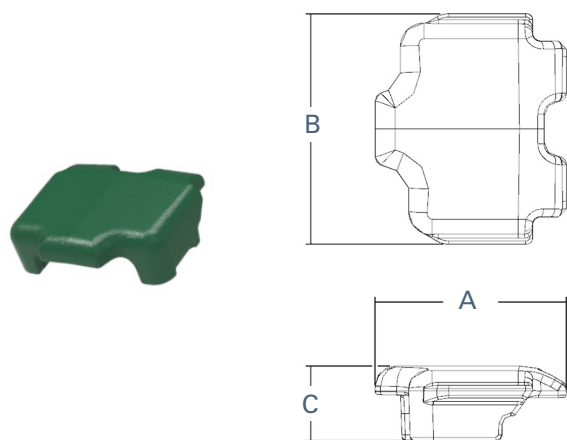
PMID	Description	Length A		Height B		Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WN-85SV2	85SV2 Weld-on Nose	353	13.88	326	12.84	262	10.30	79	175



85SV2 Integral Nose Cast Corners

PMID	Description	Lip Thickness A		Lip Depth B		Wing Thickness C		Corner Width D		Ramp Angle	Weight		Nose Angle	Machine Type
		mm	in	mm	in	mm	in	mm	in		kg	lb		
IN-85SV2L1	85SV2 Cast Corner	121	4.75	528	20.77	89	3.5	270	10.62	30	314	692	10	HEX
IN-85SV2R1	85SV2 Cast Corner	121	4.75	528	20.77	89	3.50	270	10.62	30	314	692	10	HEX

SV2[®] tooth system - 85SV2



Wear Caps

PMID	Description	Length A		Width B		Height C		Weight	
		mm	in	mm	in	mm	in	kg	lb
WC185	Whisler Wear Cap	287	11.31	277	10.92	136	5.36	39	85
WC285	Center Adapter Wear Cap	236	9.30	279	11.00	95	3.73	18	40



85SV2 Pin Assemblies

PMID	Description	Length		Weight	
		mm	in	kg	lb
85SV2PN-C	Standard Pin Assembly	152	5.98	1	3
85SV2PN-C-C	Cold Weather Pin Assembly	152	5.98	1	3
85SV2PN-C-H	Hot Slag Pin Assembly	152	5.98	1	3



Type 1 tool for
standard applications

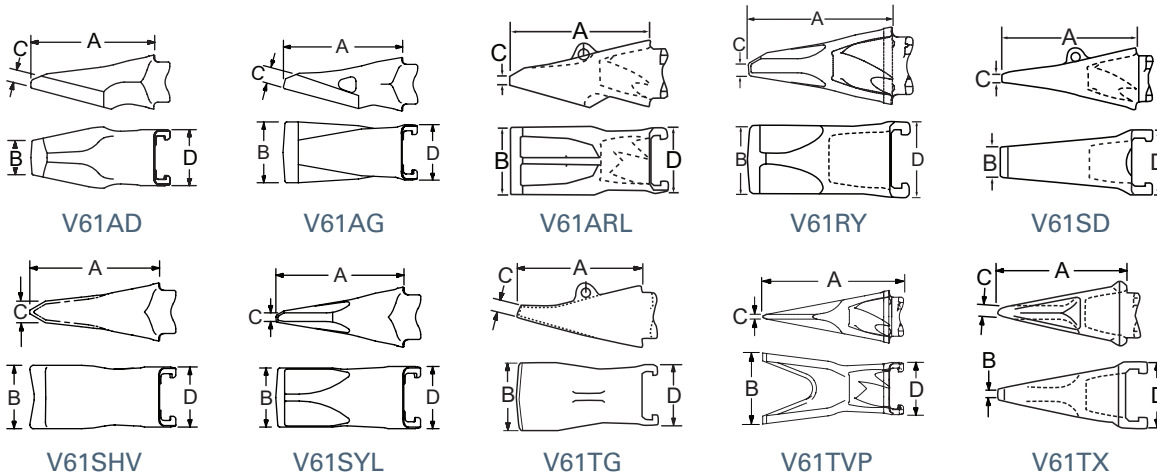


Type 2 tools for applications
with increased fines

Removal Tools

PMID	Description	Weight	
		kg	lb
75-85SV2PN-RT	Standard Pin Removal Tool	3	7
75-85SV2PN-RT2	High Fines Removal Tool	4	8

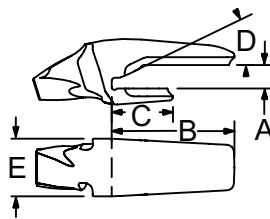
Super V® tooth system - V61



V61 Points

PMID	Description*	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb
V61AD	Abrasion Penetration NCL	381 / 15.00	109 / 4.31	32 / 1.26	170 / 6.69	33 / 74
V61AG	Abrasion Heavy NCL	381 / 15.00	197 / 7.75	47 / 1.85	170 / 6.69	35 / 77
V61ARL	Abrasion Rock Long NCL	368 / 14.49	178 / 7.00	33 / 1.31	170 / 6.69	39 / 85
V61RY	Impact Abrasion CL	315 / 12.40	152 / 6.00	36 / 1.40	170 / 6.69	22 / 49
V61SD	Chisel CL	381 / 15.00	89 / 3.50	29 / 1.16	170 / 6.69	26 / 58
V61SHV	Penetration Abrasion CL	364 / 14.33	173 / 6.80	59 / 2.32	170 / 6.69	31 / 69
V61SYL	General Purpose Long CL	349 / 13.75	152 / 6.00	36 / 1.40	170 / 6.69	24 / 52
V61TG	Flush Cut NCL	349 / 13.74	191 / 7.50	28 / 1.12	170 / 6.69	28 / 63
V61TVP	Twin Pick CL	413 / 16.26	231 / 9.10	15 / 0.61	170 / 6.69	26 / 58
V61VX	Penetration CL	413 / 16.26	28 / 1.12	30 / 1.17	170 / 6.69	21 / 46

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



V61 Adapters

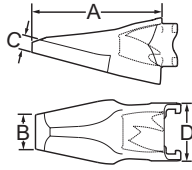
PMID	Type	Description	Length A mm in	Top Leg B mm in	Bottom Leg C mm in	Ramp Angle D	Width E mm in	Nose Angle	Weight kg lb	Machine Type
3858A-V61	4	1-1/2 Top Leg	70 / 2.75	353 / 13.91	183 / 7.22	30	152 / 6.00	10	51 / 113	HEX
5898-V61	4	1-1/2 Top Leg	80 / 3.15	394 / 15.51	205 / 8.07	30	152 / 6.00	10	56 / 123	HEX
2878-V61	4	1-1/2 Top Leg	89 / 3.50	405 / 15.94	226 / 8.90	30	152 / 6.00	10	59 / 131	HEX
6805-V61	4	1-1/2 Top Leg	90 / 3.54	394 / 15.51	197 / 7.76	30	159 / 6.25	10	49 / 109	HEX
5838L-V61	5	1-1/2 Top Leg Spade	89 / 3.50	416 / 16.38	208 / 8.19	30	170 / 6.70	17	55 / 121	FEL
5838R-V61	5	1-1/2 Top Leg Spade	89 / 3.50	416 / 16.38	208 / 8.19	30	170 / 6.70	17	55 / 121	FEL
5839-V61	4	1-1/2 Top Leg	89 / 3.50	416 / 16.38	208 / 8.19	30	170 / 6.70	17	55 / 122	FEL

V61 Pin Assemblies

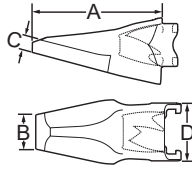
PMID	Description	Length mm in	Weight kg lb
V61HPN	Super V Hot Slag Pin	130 / 5.13	0.5 / 1.1
V61PNA	Super V Standard Pin	130 / 5.13	0.5 / 1.1



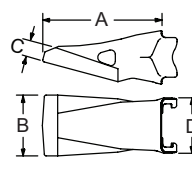
Super V® tooth system - V69



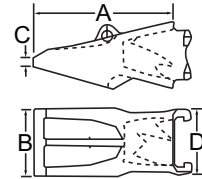
V69ADB



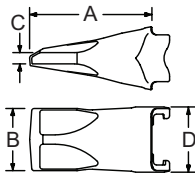
V69ADHL



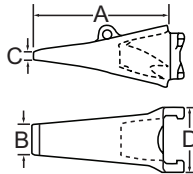
V69AG



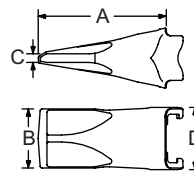
V69ARL



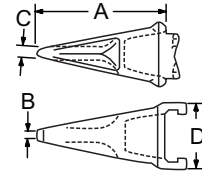
V69RYL



V69SD



V69SYL



V69VX

V69 Points

PMID	Description*	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb
V69ADB	Abrasion Penetration NCL	419 / 16.50	210 / 8.27	42 / 1.65	210 / 8.27	57 / 125
V69ADHL	Abrasion Penetration Long NCL	432 / 17.00	137 / 5.39	33 / 1.29	210 / 8.27	68 / 149
V69AG	Abrasion Heavy NCL	403 / 15.87	216 / 8.50	57 / 2.23	210 / 8.27	49 / 109
V69ARL	Abrasion Rock Long NCL	403 / 15.87	203 / 8.00	45 / 1.77	210 / 8.27	53 / 117
V69RYL	Standard Rock CL	359 / 14.13	170 / 6.70	43 / 1.69	210 / 8.27	36 / 80
V69SD	Chisel CL	419 / 16.50	133 / 5.25	35 / 1.38	210 / 8.27	37 / 82
V69SYL	General Purpose Long CL	384 / 15.12	170 / 6.70	39 / 1.55	210 / 8.27	35 / 77
V69VX	Penetration CL	455 / 17.91	33 / 1.31	33 / 1.31	210 / 8.27	31 / 69

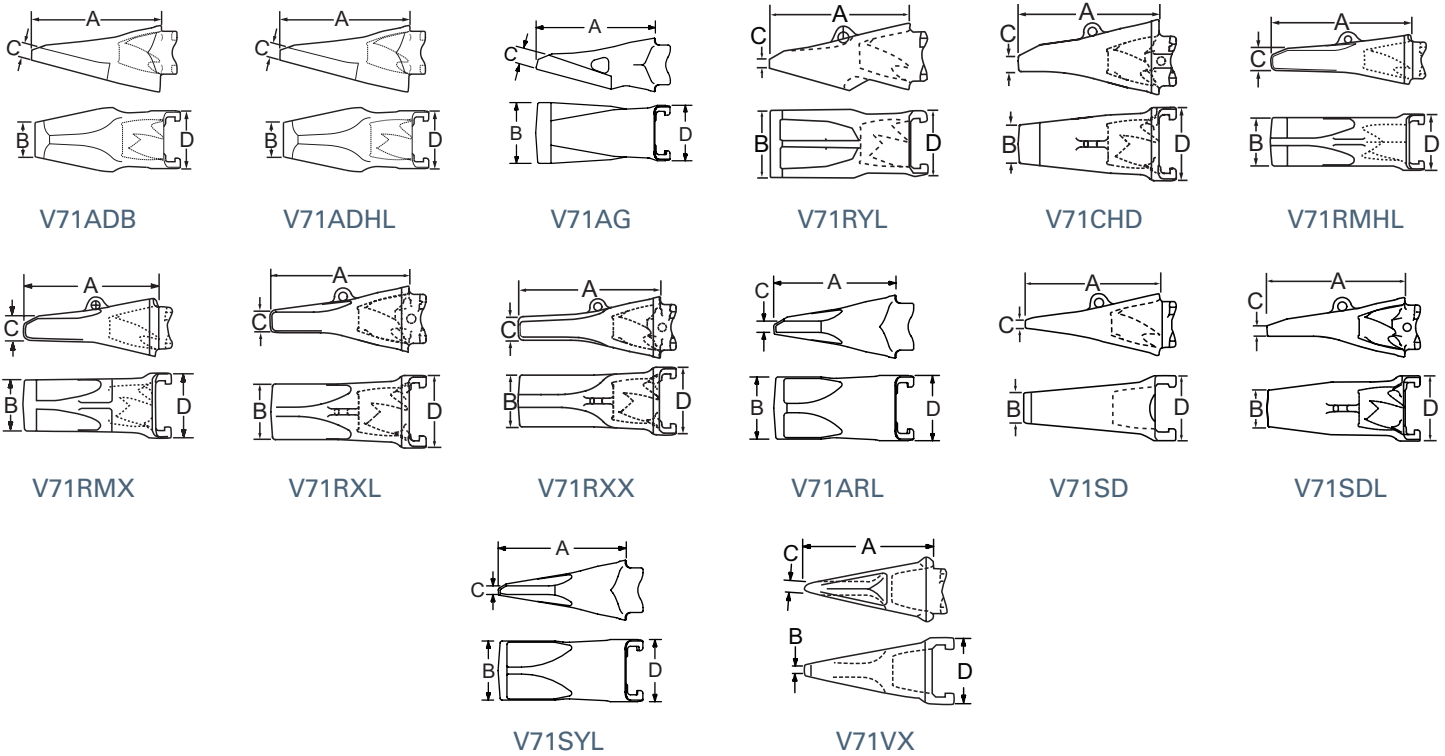
*CL: Centerline Design; NCL: Non-Centerline Design



V69 Pin Assemblies

PMID	Description	Length mm in	Weight kg lb
V69/V71HPNA	Super V Hot Slag Pin	153 / 6.04	0.9 / 2.0
V69PN-C	Super V Pin for Low Temperatures	145 / 5.72	0.9 / 2.0
V69PN	Super V Standard Pin	145 / 5.72	0.9 / 2.0

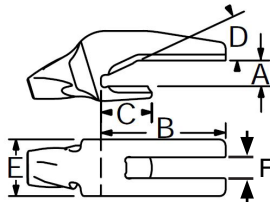
Super V[®] tooth system - V71



V71 Points

PMID	Description*	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb
V71ADB	Abrasion Penetration NCL	447 / 17.60	228 / 8.98	45 / 1.77	228 / 8.98	70 / 154
V71ADHL	Abrasion Penetration Long NCL	481 / 18.95	232 / 9.15	44 / 1.75	230 / 9.04	91 / 201
V71AG	Abrasion Heavy NCL	417 / 16.43	229 / 9.00	53 / 2.10	228 / 8.98	54 / 119
V71ARL	Abrasion Rock Long NCL	417 / 16.43	216 / 8.50	44 / 1.75	230 / 9.05	62 / 136
V71CHD	Shovel Dipper Heavy NCL	446 / 17.56	127 / 5.00	44 / 1.75	237 / 9.35	66 / 145
V71RMHL	Shovel Dipper Heavy CL	485 / 19.09	203 / 8.00	89 / 3.50	236 / 9.28	76 / 168
V71RMX	Shovel Dipper Heavy CL	459 / 18.07	184 / 7.25	83 / 3.25	236 / 9.28	65 / 143
V71RXL	Shovel Dipper CL	459 / 18.09	184 / 7.25	64 / 2.50	228 / 8.98	56 / 123
V71RXXL	Shovel Dipper Long CL	533 / 21.00	186 / 7.32	73 / 2.86	229 / 9.01	82 / 181
V71RYL	Standard Rock CL	384 / 15.12	178 / 7.00	58 / 2.30	243 / 9.55	44 / 98
V71SD	Chisel CL	447 / 17.60	108 / 4.25	28 / 1.10	243 / 9.55	46 / 102
V71SDL	Chisel Long CL	482 / 18.98	127 / 5.00	32 / 1.25	230 / 9.05	53 / 116
V71SYL	General Purpose Long CL	415 / 16.34	178 / 7.00	43 / 1.70	243 / 9.55	44 / 98
V71VX	Penetration CL	493 / 19.41	38 / 1.50	38 / 1.50	243 / 9.55	41 / 91

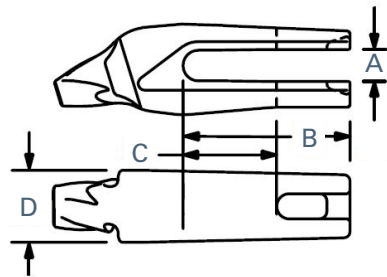
*CL: Centerline Design; NCL: Non-Centerline Design



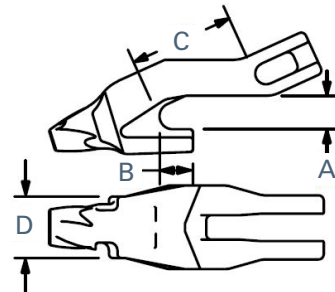
V71 Weld-on Adapters

PMID	Type	Description	Lip Thickness A mm in	Top Leg B mm in	Bottom Leg C mm in	Ramp Angle D	Width E mm in	Leg Opening F mm in	Nose Angle	Weight kg lb	Machine Type
5898-V71	4	1-1/2 Top Leg	80 / 3.15	457 / 18.00	229 / 9.00	30	216 / 8.50	NA	10	97 / 213	HEX
2837-V71	4	1-1/2 Top Leg	89 / 3.50	532 / 20.94	246 / 9.69	30	216 / 8.50	NA	10	116 / 255	HEX
5897-V71	4	1-1/2 Top Leg	102 / 4.00	532 / 20.94	246 / 9.69	30	216 / 8.50	NA	10	115 / 253	HEX
5899-V71	4CN	1-1/2 Cmr Straddle Leg	102 / 4.00	533 / 20.98	246 / 9.69	30	216 / 8.50	79 / 3.12	10	120 / 265	HEX
6810-V71	4	1-1/2 Top Leg	121 / 4.75	540 / 21.25	327 / 12.88	30	241 / 9.50	NA	10	132 / 291	HEX
5838L-V71	5	1-1/2 Top Leg Spade	89 / 3.50	551 / 21.69	265 / 10.44	30	22 / 0.85	NA	17	121 / 266	FEL
5838R-V71	5	1-1/2 Top Leg Spade	89 / 3.50	551 / 21.69	265 / 10.44	30	22 / 0.85	NA	17	121 / 266	FEL
5839-V71	4	1-1/2 Top Leg	89 / 3.50	532 / 20.94	246 / 9.69	30	216 / 8.50	NA	17	118 / 261	FEL
5893-V71	4CN	1-1/2 Cmr Straddle Leg	102 / 4.00	533 / 20.98	246 / 9.69	30	216 / 8.50	79 / 3.12	17	120 / 265	FEL

Super V[®] tooth system - V71



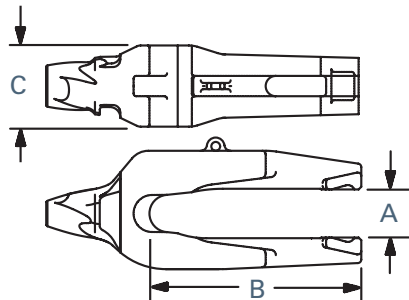
Type 28



Type 29

V71 Zipper Lip[®] Adapters

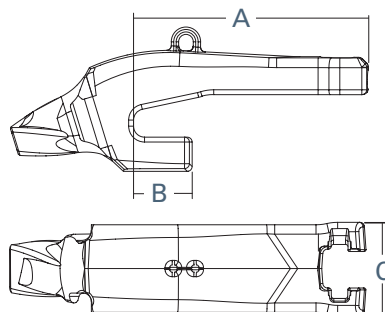
PMID	Type	Description	Leg Opening A mm in	Bottom Leg B mm in	Wedge Slot C mm in	Width D mm in	Weight kg lb	Nose Angle	C-Clamp	Wedge	Lip Series
454A-V69	28	Zipper Lip 2 Leg	102 / 4.00	502 / 19.77	229 / 9.00	233 / 9.18	185 / 407	17	451CL	408W	100R, 220R
1453R-V71	29	Zipper Lip 2 Leg Corner	102 / 4.00	140 / 5.50	314 / 12.38	254 / 10.00	204 / 449	17	451CL	408W	100R, 220R
1453L-V71	29	Zipper Lip 2 Leg Corner	102 / 4.00	140 / 5.50	314 / 12.38	254 / 10.00	204 / 449	17	451CL	408W	100R, 220R



Type 36

V71 Whisler Adapter

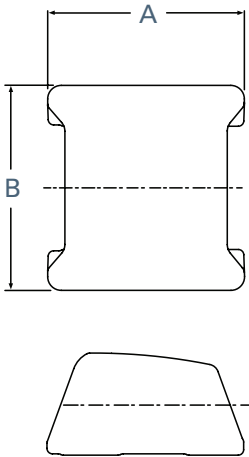
PMID	Type	Description	Leg Opening A mm in	Leg Length B mm in	Width C mm in	Weight kg lb	Nose Angle	Lip Series	Wear Cap
498-V71	36	Whisler W/C Style	171 / 6.75	559 / 22.00	254 / 10.00	315 / 694	0	WH-10	WC84 / WC91A



V71 Toplok[®] Adapter

PMID	Type	Description	Top Let A mm in	Bottom Leg B mm in	Width C mm in	Lip Thickness mm in	Weight kg lb	Nose Angle
T4-V71	40	Toplok Center	610 / 24.03	152 / 6.00	229 / 9.00	102 / 4.00	178 / 392	17

Super V[®] tooth system - V71



V71 Whisler Wear Caps

PMID	A mm in	B mm in	Weight kg lb
WC84	229 / 9.00	238 / 9.38	24 / 52
WC91A	229 / 9.00	238 / 9.38	27 / 60



V71 Lock Assemblies

PMID	Description	Length mm in	Weight kg lb
V71PN-C	Super V Pin for Low Temperatures	159 / 6.25	1 / 2.2
V71PN	Super V Standard Pin	159 / 6.25	1 / 2.2



C-Clamp

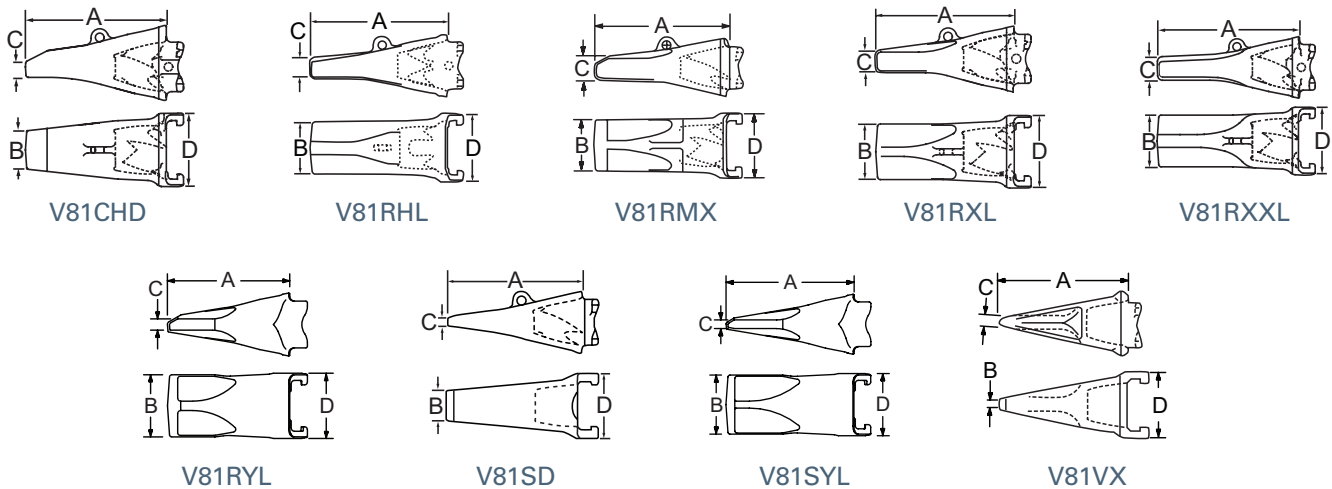


Wedge

V71 Whisler C-Clamps and Wedges

Lip Series	Fluted C-Clamp	Fluted Wedge
WH6	408CL	408W1 or 408W2
WH8	H468CL	H468W1-2 or H468W3-4
WH10	H499CL	H499W1-2 or H499W3-4

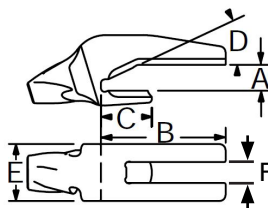
Super V[®] tooth system - V81



V81 Points

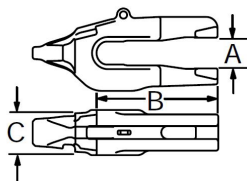
PMID	Description*	Length A mm in	Bit Width B mm in	Bit C mm in	Width at D mm in	Weight kg lb
V81CHD	Shovel Dipper Heavy NCL	513 / 20.20	151 / 5.93	53 / 2.08	277 / 10.91	101 / 223
V81RHL	Shovel Dipper Rock Long CL	536 / 21.12	203 / 8.00	76 / 3.00	281 / 11.05	88 / 194
V81RMX	Shovel Dipper Heavy CL	511 / 20.12	203 / 8.00	89 / 3.50	277 / 10.91	94 / 207
V81RXL	Shovel Dipper CL	511 / 20.12	203 / 8.00	76 / 3.00	268 / 10.55	81 / 179
V81RXXL	Shovel Dipper Long CL	562 / 22.12	203 / 8.00	94 / 3.70	281 / 11.05	93 / 204
V81RYL	Standard Rock CL	446 / 17.56	203 / 8.00	57 / 2.26	281 / 11.05	72 / 159
V81SD	Chisel CL	516 / 20.31	120 / 4.72	33 / 1.30	281 / 11.05	77 / 170
V81SYL	General Purpose Long CL	481 / 18.94	203 / 8.00	51 / 2.00	281 / 11.05	71 / 156
V81VX	Penetration CL	575 / 22.64	45 / 1.78	45 / 1.78	45 / 1.78	66 / 145

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



V81 Weld-on Adapters

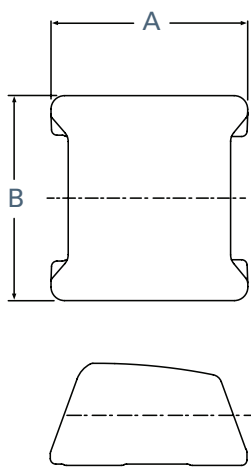
PMID	Type	Description	Lip Thickness A mm in	Top Leg B mm in	Bottom Leg C mm in	Ramp Angle D	Width E mm in	Leg Opening F mm in	Nose Angle	Weight kg lb	Machine Type
3869B-V81	4	1-1/2 Top Leg	121 / 4.75	559 / 22.00	329 / 12.97	30	254 / 10.00	NA	10	169 / 373	HEX
5892A-V81	4	1-1/2 Top Leg	121 / 4.75	519 / 20.43	290 / 11.40	30	254 / 10.00	NA	10	172 / 379	HEX
5895L-V81	4CN	1-1/2 Cmr Straddle Leg	121 / 4.75	508 / 20.00	203 / 7.99	30	285 / 11.24	93 / 3.66	10	183 / 404	HEX
5895R-V81	4CN	1-1/2 Cmr Straddle Leg	121 / 4.75	508 / 20.00	203 / 7.99	30	285 / 11.24	93 / 3.66	10	183 / 404	HEX



V81 Whisler Adapters

PMID	Type	Description	Leg Opening A mm in	Leg Length B mm in	Width C mm in	Weight kg lb	Nose Angle	Wear Cap	Lip Series
1491-V81	36	Whisler W/C Style	171 / 6.75	582 / 22.90	267 / 10.50	374 / 824	2	WC84/WC91A	WH-12
489A-V81	36	Whisler W/C Style	171 / 6.75	559 / 22.00	267 / 10.50	327 / 720	0	WC84/WC91A	WH-10

Super V[®] tooth system - V81



V81 Whisler Wear Caps

PMID	A mm in	B mm in	Weight kg lb
WC84	229 / 9.00	238 / 9.38	24 / 52
WC91A	229 / 9.00	238 / 9.38	27 / 60



V81 Lock Assemblies

PMID	Description	Length mm in	Weight kg lb
V81PN-CA	Super V Pin for Low Temperatures	185 / 7.28	1.2 / 2.7
V81PN	Super V Standard Pin	185 / 7.28	1.2 / 2.7



C-Clamp

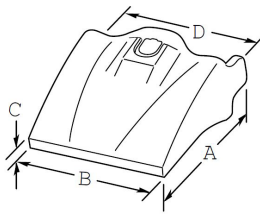


Wedge

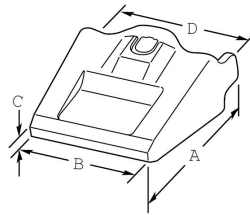
V81 Whisler C-Clamps and Wedges

Lip Series	Fluted C-Clamp	Fluted Wedge
WH8	H468CL	H468W1-2 or H468W3-4
WH10	H499CL	H499W1-2 or H499W3-4
WH12	H499CL	H499W1-2 or H499W3-4

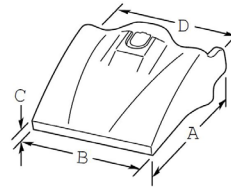
Posilok® tooth system - 78K and 92K



78KATA



78KHA

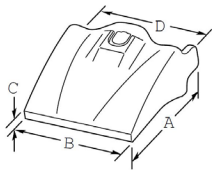


78KTLA

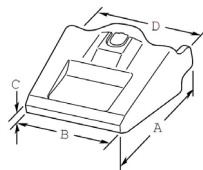
78K Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin	System Lock
78KATA	272 / 10.70	241 / 9.50	16 / 0.62	254 / 10.00	23 / 50	PN78K	PL78KA
78KHA	229 / 9.00	210 / 8.25	13 / 0.50	254 / 10.00	20 / 43	PN78K	PL78KA
78KTLA	297 / 11.70	216 / 8.50	16 / 0.62	254 / 10.00	22 / 48	PN78K	PL78KA

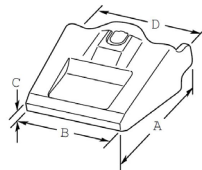
Note: Each point requires one pin and one lock. Points are supplied with a lock installed.



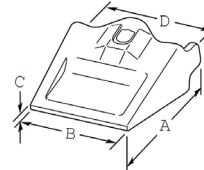
92KAT



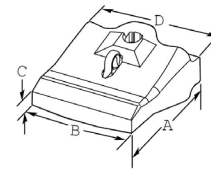
92KHA



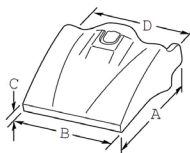
92KHMA



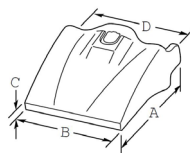
92KPL



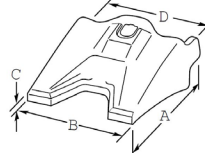
92KRML



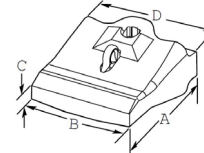
92KTH



92KTL



92KTVP



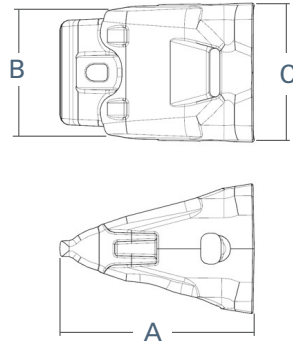
92KRXL

92K Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin	System Lock
92KAT	322 / 12.66	305 / 12.00	19 / 0.75	309 / 12.17	37 / 82	PN92K	PL92KB
92KHA	347 / 13.66	267 / 10.50	25 / 1.00	305 / 12.00	49 / 107	PN92K	PL92KB
92KHMA	347 / 13.66	292 / 11.50	25 / 1.00	330 / 13.00	54 / 120	PN92K	PL92KB
92KPL	332 / 13.08	267 / 10.50	10 / 0.40	309 / 12.17	32 / 70	PN92K	PL92KB
92KRML	372 / 14.66	267 / 10.50	51 / 2.00	305 / 12.00	59 / 131	PN92K	PL92KB
92KTH	337 / 13.28	356 / 14.00	30 / 1.19	330 / 13.00	56 / 124	PN92K	PL92KB
92KTL	353 / 13.91	307 / 12.10	22 / 0.88	309 / 12.17	45 / 100	PN92K	PL92KB
92KTVP	331 / 13.03	330 / 13.00	19 / 0.75	309 / 12.17	35 / 78	PN92K	PL92KB
92KRXL	385 / 15.16	279 / 11.00	64 / 2.50	343 / 13.50	78 / 171	PN92K	PL92KB

Note: Each point requires one pin and one lock. Points are supplied with a lock installed.

Posilok® tooth system - 92K



92K Adapters

PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
110H92K	470 / 18.50	311 / 12.25	350 / 13.78	115 / 254	SP110D	110W1	None
110W92K**	470 / 18.50	292 / 11.50	356 / 14.00	104 / 230	SP110D	110W2	WC87
523H92K	394 / 15.50	305 / 12.00	305 / 12.00	104 / 230	PL112K	523PN	None
523W92K***	394 / 15.50	343 / 13.50	368 / 14.50	85 / 187	PL112K	523PN	WC93
555HB92K	470 / 18.50	324 / 12.75	333 / 13.12	123 / 271	554SP	555W	None
555WA92K**	470 / 18.50	292 / 11.50	356 / 14.00	104 / 229	554SP	555W	WC87
95W92K*	432 / 17.00	343 / 13.50	368 / 14.50	91 / 200	SP95	95W1	WC92
S110H92K	467 / 18.40	305 / 12.00	322 / 12.68	120 / 264	S110PN-C	S110DPN	None
S110WA92K	467 / 18.40	300 / 11.80	310 / 12.20	93 / 205	S110PN-C	S110DPN	WC94A

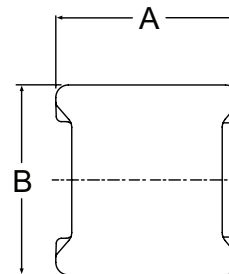
* Adapter uses (2) WC92 wear caps and KLL01MB wear cap Locks.

** Adapter uses (2) WC87 wear caps and KLL01MB wear cap locks.

*** Adapter uses (2) WC93 wear caps and are supplied with lock installed.

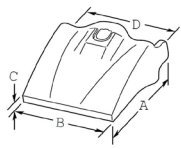
92K Wear Caps

PMID	Mating Adapter	Weight kg lb	System Lock
WC87	110W92K and 555WA92K	29 / 65	KLL01MB
WC92	95W92K and 505W92K	27 / 60	KLL01MB

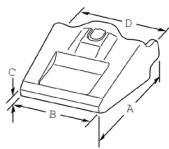


Note: Posilok removal tools are listed at the end of the page for 92K Posilok listing.

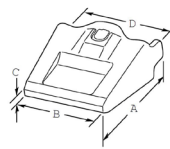
Posilok® tooth system - 112K



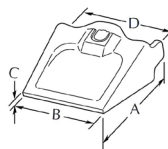
112KAT



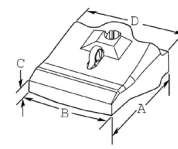
112KH



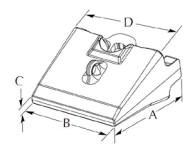
112KHMA*



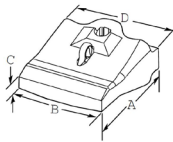
112KMP



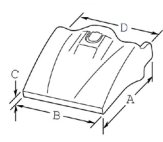
112KRML



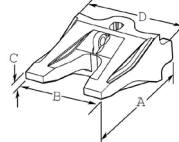
112KRMX



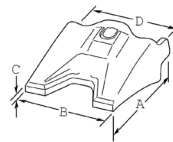
112KRXL



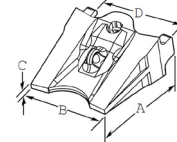
112KTL



112KTVL



112KTVP



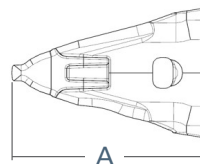
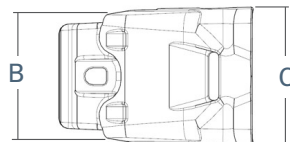
112KXP

112K Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin	System Lock
112KAT	343 / 13.51	330 / 13.00	25 / 1.00	353 / 13.88	46 / 102	PN112KC	PL112KA
112KH	360 / 14.16	330 / 13.00	32 / 1.25	353 / 13.88	63 / 138	PN112KC	PL112KA
112KHMA*	360 / 14.16	356 / 14.00	32 / 1.25	384 / 15.11	74 / 164	PN112KC	PL112KA
112KMP	349 / 13.75	330 / 13.00	16 / 0.62	353 / 13.90	47 / 104	PN112KC	PL112KA
112KRML	372 / 14.65	330 / 13.00	56 / 2.20	356 / 14.00	77 / 170	PN112KC	PL112KA
112KRMX	385 / 15.16	356 / 14.00	32 / 1.27	390 / 15.37	99 / 217	PN112KC	PL112KA
112KRXL	398 / 15.66	330 / 13.00	62 / 2.44	408 / 16.06	98 / 215	PN112KC	PL112KA
112KTL	385 / 15.16	330 / 13.00	25 / 1.00	353 / 13.88	60 / 131	PN112KC	PL112KA
112KTVL	423 / 16.66	330 / 13.00	25 / 1.00	354 / 13.95	67 / 147	PN112KC	PL112KA
112KTVP	378 / 14.89	360 / 14.16	19 / 0.75	353 / 13.88	41 / 90	PN112KC	PL112KA
112KXP	410 / 16.16	316 / 12.44	19 / 0.75	353 / 13.88	63 / 138	PN112KC	PL112KA

Note: Each point requires one pin and one lock. Points are supplied with a lock installed.

* Designed for wear cap adapters, but can be used on non-wear cap adapters.



112K Adapters

PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
130WA112K*	533 / 21.00	381 / 15.00	445 / 17.50	136 / 299	SP130B	130W1**	WC89A/WC89HDB
534H112K	455 / 17.90	375 / 14.75	375 / 14.75	131 / 288	534SP	534W1	None
546H112K	533 / 21.00	337 / 13.25	384 / 15.12	181 / 400	556SP	546W	None
S130H112K	508 / 20.00	353 / 13.91	374 / 14.73	181 / 400	S130-45PN-C	S130DPN	None
S130W112K	508 / 20.00	340 / 13.38	358 / 14.08	136 / 300	S130-45PN-C	S130DPN	WC97

* 130WA112K adapter uses WC89A or WC89HDB wear caps and KLL01MB wear cap locks.

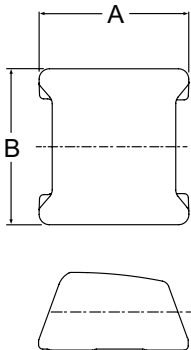
** Universal wedge 130W and oversize spools and wedges are available when standard styles do not provide proper adapter take up.

Note: Posilok removal tools are listed at the end of the page for 92K Posilok listing.

Posilok® tooth system - 112K

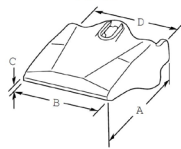
112K Wear Cap

PMID	Mating Adapter	Weight kg lb	System Lock
WC89HDB	130WA112K	53 / 116	KLL01MB

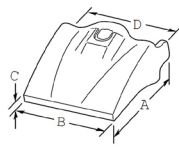


Note: Posilok removal tools are listed at the end of the page for 122K Posilok listing.

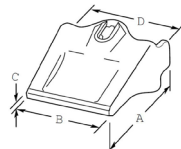
Posilok® tooth system - 122K



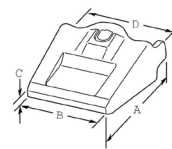
122KAH



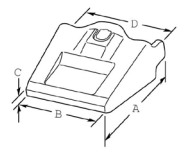
122KAT



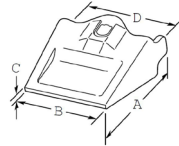
122KAP



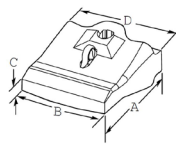
122KH



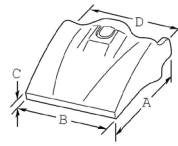
122KHM



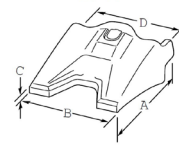
122KP



122KRXL



122KA

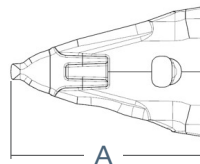
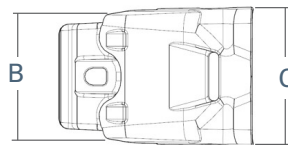


122KTV

122K Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin	System Lock
122KAH	368 / 14.49	360 / 14.16	19 / 0.76	432 / 17.00	72 / 159	PN122KC	PL122KB
122KAT	389 / 15.32	356 / 14.00	25 / 1.00	432 / 17.00	70 / 155	PN122KC	PL122KB
122KAP	341 / 13.44	360 / 14.16	19 / 0.76	432 / 17.00	67 / 147	PN122KC	PL122KB
122KH	394 / 15.50	368 / 14.50	38 / 1.50	430 / 16.93	92 / 202	PN122KC	PL122KB
122KHM	394 / 15.50	394 / 15.50	38 / 1.50	468 / 18.44	111 / 244	PN122KC	PL122KB
122KP	368 / 14.50	360 / 14.16	19 / 0.75	432 / 17.00	66 / 145	PN122KC	PL122KB
122KRXL	406 / 16.00	432 / 17.00	94 / 3.70	467 / 18.40	133 / 293	PN122KC	PL122KB
122KA	368 / 14.50	360 / 14.16	25 / 1.00	432 / 17.00	70 / 154	PN122KC	PL122KB
122KTV	389 / 15.32	432 / 17.00	23 / 0.90	432 / 17.00	80 / 177	PN122KC	PL122KB

Note: Each point requires one pin and one lock. Points are supplied with a lock installed.



122K Adapters

PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
130HA122K	530 / 20.88	390 / 15.35	435 / 17.12	209 / 461	SP130B	130W1**	None
574H122K	591 / 23.25	420 / 16.53	457 / 18.00	272 / 600	574SP	574W1**	None
S130H122K	566 / 22.35	416 / 16.40	396 / 15.60	206 / 453	S130-45PN-C	S130DPN	None
S145H122K	568 / 22.35	406 / 16.00	410 / 16.14	246 / 542	S130-45PN-C	S145DPN	None
S145W122K	568 / 22.35	396 / 15.60	407 / 16.04	196 / 432	S130-45PN-C	S145DPN	WC98
S160H122K	616 / 24.26	424 / 16.68	424 / 16.68	297 / 655	S130-45PN-C	S145DPN	None

* Use wedges W1-3 with ESCO base. Use wedges W3-5 with Marion bases.

** Universal wedge 130W and 574W, and oversize spools and wedges are available when standard styles do not provide proper adapter take up.

Note: Posilok removal tools are listed at the end of the page for 122K Posilok listing.

Posilok® tooth system



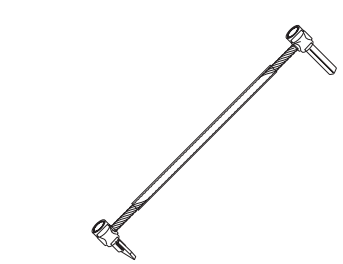
EP3559 #1



PDE46738-1B



PDE46738-3A

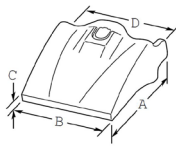


PDE47035#2

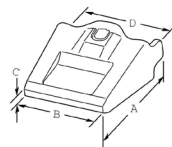
Posilok® Removal Tool Assemblies

PMID	Description	Weight kg lb
EP3559 #1	Single Headed Pin Removal Tool	4.5 / 10
PDE46738-1B	Compact Pin Removal Tool	1.7 / 3.7
PDE46738-3A	Pin Removal Tool for 78K	1.5 / 3.2
PDE47035#2	Dual Purpose Pin Removal Tool	9.2 / 20.3

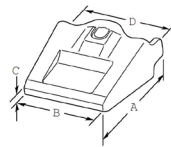
Posilok® Plus tooth system - 92TK



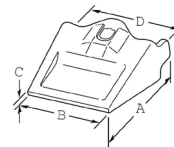
92TKAT



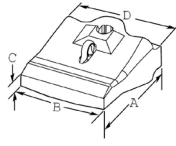
92TKHA



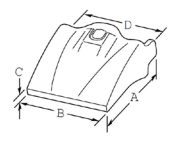
92TKHMA*



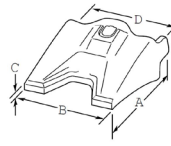
92TKPL



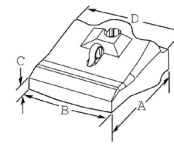
92TKRML



92TKTL



92TKTVP



92TKRXL

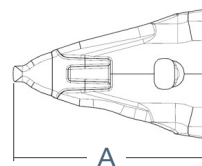
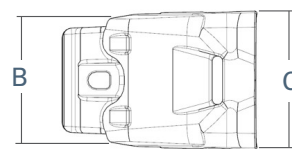
92TK Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin
92TKAT	322 / 12.66	305 / 12.00	19 / 0.75	309 / 12.17	37 / 82	92TKPN
92TKHA	347 / 13.66	267 / 10.50	25 / 1.00	305 / 12.00	49 / 107	92TKPN
92TKHMA*	347 / 13.66	292 / 11.50	25 / 1.00	330 / 13.00	54 / 120	92TKPN
92TKPL	332 / 13.08	267 / 10.50	10 / 0.40	309 / 12.17	32 / 70	92TKPN
92TKRML	372 / 14.66	267 / 10.50	51 / 2.00	305 / 12.00	59 / 131	92TKPN
92TKTL	353 / 13.91	307 / 12.10	22 / 0.88	309 / 12.17	45 / 100	92TKPN
92TKTVP	331 / 13.03	330 / 13.00	19 / 0.75	309 / 12.17	35 / 78	92TKPN
92TKRXL	385 / 15.16	279 / 11.00	64 / 2.50	343 / 13.50	78 / 171	92TKPN

Note: Each point requires one pin and one thread lock (92TKPLT) and one retaining lock (92TKPLR).

Points are supplied with both locks installed.

* Designed for wear cap adapters, but can be used on non-wear cap adapters.

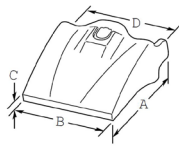


92TK Adapters

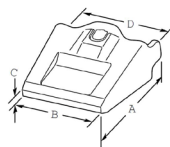
PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
110H92TK	470 / 18.50	311 / 12.25	350 / 13.78	115 / 254	SP110E	110W2	None
S110H92TK	467 / 18.40	305 / 12.00	322 / 12.68	120 / 264	N/A	S110DPN	None
S110WA92TK	467 / 18.40	300 / 11.80	310 / 12.20	93 / 205	N/A	S110DPN	WC94A

Note: Each S110DPN comes with a S110PN-C fines plug installed

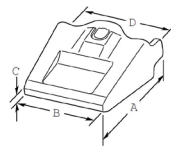
Posilok® Plus tooth system - 112TK



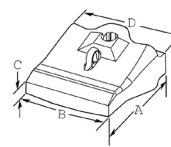
112TKAT



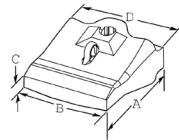
112TKH



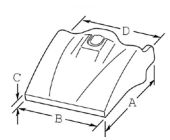
112TKHMA*



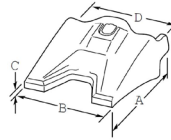
112TKRML



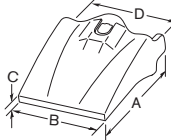
112TKRXL



112TKTL



112TKTVP



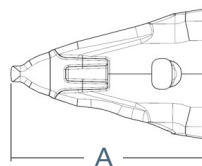
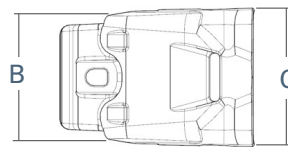
112TKLA

112TK Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin
112TKAT	343 / 13.51	330 / 13.00	25 / 1.00	353 / 13.88	46 / 102	112TKPN-B
112TKH	360 / 14.16	330 / 13.00	32 / 1.25	353 / 13.88	63 / 138	112TKPN-B
112TKHMA*	360 / 14.16	356 / 14.00	32 / 1.25	384 / 15.11	74 / 164	112TKPN-B
112TKRML	372 / 14.65	330 / 13.00	56 / 2.20	356 / 14.00	77 / 170	112TKPN-B
112TKRXL	398 / 15.66	330 / 13.00	62 / 2.44	408 / 16.06	98 / 215	112TKPN-B
112TKTL	385 / 15.16	330 / 13.00	25 / 1.00	353 / 13.88	60 / 131	112TKPN-B
112TKTVP	378 / 14.89	360 / 14.16	19 / 0.75	353 / 13.88	41 / 90	112TKPN-B
112TKLA	409 / 16.09	333 / 13.90	25 / 1.00	378 / 14.88	76 / 168	112TKPN-B

Note: Each point requires one pin and one thread lock (112TKPLT-B) and one retaining lock (112TKPLR-A). Points are supplied with both locks installed.

* Designed for wear cap adapters, but can be used on non-wear cap adapters.



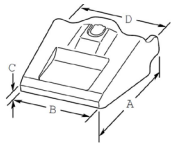
112TK Adapters

PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
130HA112TK	533 / 21.00	427 / 16.80	427 / 16.80	190 / 418	SP130	130W1*	None
534H112TK	453 / 17.84	336 / 13.23	375 / 14.75	131 / 288	534SP	534W1*	None
S130H112TK	508 / 20.00	353 / 13.91	374 / 14.73	181 / 400	N/A	S130DPN	None
S130W112TK	508 / 20.00	340 / 13.38	358 / 14.08	136 / 300	N/A	S130DPN	WC97

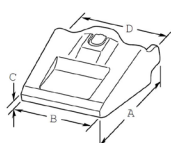
Note: Each S130DNA comes with a S130-45PN-C fines plug installed.

** Universal wedge 130W and oversize spools and wedges are available when standard styles do not provide proper adapter take up.

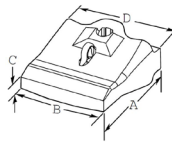
Posilok® Plus tooth system - 122TK



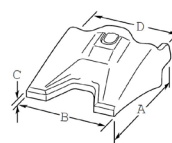
122TKH



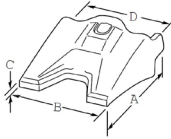
122TKHM



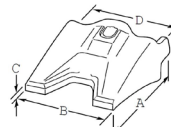
122TKRXL



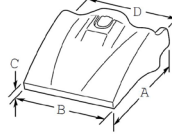
122TKTV



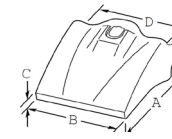
122TKTVLB



122TKTVP



122TKAT

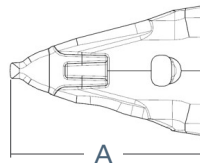
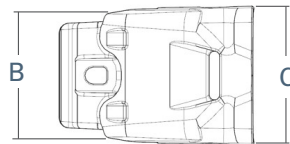


122TKA

122TK Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin
122TKH	394 / 15.50	368 / 14.50	38 / 1.50	430 / 16.93	92 / 202	122TKPN
122TKHM	394 / 15.50	394 / 15.50	38 / 1.50	468 / 18.44	111 / 244	122TKPN
122TKRXL	406 / 16.00	432 / 17.00	94 / 3.70	467 / 18.40	133 / 293	122TKPN
122TKTV	389 / 15.32	432 / 17.00	23 / 0.90	432 / 17.00	80 / 177	122TKPN
122TKTVLB	445 / 17.52	351 / 13.80	30 / 1.23	408 / 16.05	148 / 325	122TKPN
122TKTVP	389 / 15.32	389 / 15.32	25 / 1.00	430 / 16.93	79 / 175	122TKPN
122TKAT	389 / 15.32	356 / 14.00	25 / 1.00	432 / 17.00	47 / 103	122TKPN
122TKA	368 / 14.50	360 / 14.16	25 / 1.00	432 / 17.00	70 / 154	122TKPN

Note: Each point requires one pin and one thread lock (122TKPLT) and one retaining lock (122TKPLR). Points are supplied with both locks installed.

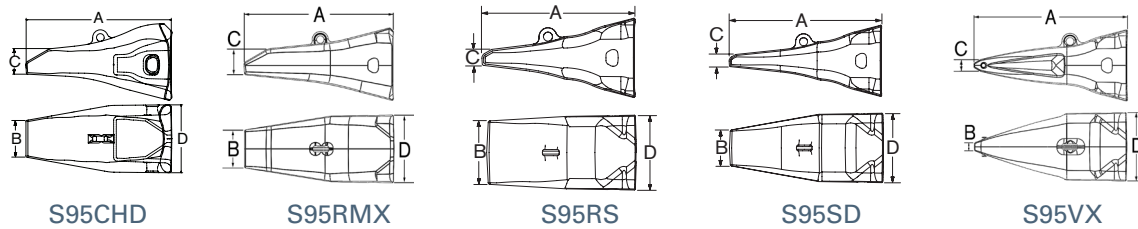


122TK Adapters

PMID	Length A mm in	Width at Nose B mm in	Width C mm in	Weight kg lb	Spool	Wedge	Wear Cap
S130H122TK	566 / 22.35	416 / 16.40	396 / 15.60	206 / 453	N/A	S130DPN	None
S130H122TK-5	567 / 22.35	417 / 16.40	397 / 15.60	207 / 453	N/A	S130DPN	None
S145H122TK	568 / 22.35	406 / 16.00	410 / 16.14	246 / 542	N/A	S145DPN	None
S145W122TK	568 / 22.35	396 / 15.60	407 / 16.04	196 / 432	N/A	S145DPN	WC98
S145XHD122TK	565 / 22.26	400 / 15.75	448 / 17.62	355 / 782	N/A	S145DPN	None

Note: Each S145DNA comes with a S130-45PN-C fines plug installed.

Posilok® S-Series tooth system - S95



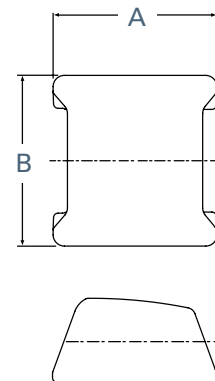
S95 Points

PMID	Length A mm in	Bit Width B mm in	Bit Thickness C mm in	Width at Ears D mm in	Weight kg lb	Locking Pin	Pin Cap
S95CHD	597 / 23.50	151 / 5.96	51 / 2.00	281 / 11.05	165 / 363	S95RPN	S95RPN-C
S95RMX	603 / 23.75	153 / 6.03	104 / 4.08	272 / 10.70	129 / 284	S95RPN	S95RPN-C
S95RS	537 / 21.15	230 / 9.06	52 / 2.05	272 / 10.70	96 / 211	S95RPN	S95RPN-C
S95SD	597 / 23.51	140 / 5.51	43 / 1.70	272 / 10.70	95 / 209	S95RPN	S95RPN-C
S95VX	609 / 23.96	27 / 1.07	45 / 1.78	272 / 10.70	93 / 205	S95RPN	S95RPN-C
S130LPA	712 / 28.04	406 / 16	33 / 1.28	386 / 15.20	275 / 607	S145DPN	S130-45RPN-C
S145LPA	759 / 29.89	438 / 17.3	27.94 / 1.1	414 / 16.32	328 / 723	S145DPN	S130-45RPN-C

Note: S130LPA and S145SLPA are solid points (profiles not shown above).

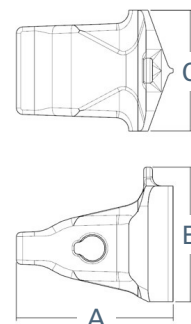
S95 Wear Caps

PMID	Mating Adapter	Length A mm in	Width B mm in	Weight kg lb	Lock
WC94A	S110WA92K	343 / 13.52	352 / 13.85	32 / 71	NA
WC99	6828-S95	279 / 10.97	267 / 10.50	18 / 40	NA

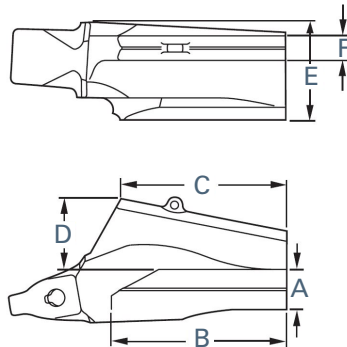


S95 Weld-on Nose

PMID	Length A mm in	Width B mm in	Height C mm in	Weight kg lb
WN-S95	50 / 1.95	254 / 10.00	286 / 11.25	78 / 171

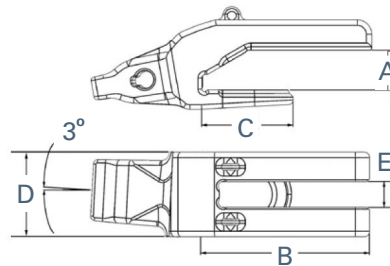


Posilok® S-Series tooth system - S95



S95 Cast Corners

PMID	Type	Description	Lip Thickness A mm in	Leg Depth B mm in	Wing Depth C mm in	Wing Height D mm in	Adapter Width E mm in	Wing Thickness F mm in	Weight kg lb	Ramp Angle	Nose Angle	Machine Type
PWL-S95	CC	Cast Corner	140 / 5.50	616 / 24.24	530 / 20.87	260 / 10.25	245 / 9.66	90 / 3.54	395 / 872	30	10	HFS
PWR-S95	CC	Cast Corner	140 / 5.50	616 / 24.24	530 / 20.87	260 / 10.25	245 / 9.66	90 / 3.54	395 / 872	30	10	HFS



S95 Adapters

PMID	Type	Description	Lip Thickness A mm in	Top Leg B mm in	Bottom Leg C mm in	Width D mm in	Leg Opening E mm in	Weight kg lb	Ramp Angle	Nose Angle	Machine Type
6806-S95	4	1-1/2 Top Leg	140 / 5.50	559 / 22.00	356 / 14.00	254 / 10.00	NA	193 / 426	30	10	HFS
6828-S95**	4	1-1/2 Top Leg	140 / 5.50	559 / 22.00	356 / 14.00	254 / 10.00	NA	186 / 411	30	10	HFS
6856L-S95	4CN	1-1/2 Top Leg	140 / 5.50	539 / 21.22	327 / 12.87	254 / 10.00	94 / 3.70	205 / 452	30	10	HFS
6856R-S95	4CN	1-1/2 Top Leg	140 / 5.50	539 / 21.22	327 / 12.87	254 / 10.00	94 / 3.70	205 / 452	30	10	HFS

* Accepts WC95 wear cap and S110WC-L lock.

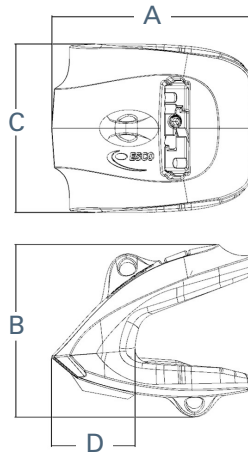
** Accepts WC99 wear cap.



Sidewinder® Pins

PMID	Description	Weight kg lb
S95RPNA	S-Posilok Sidewinder Pin	4 / 9
S110DPNA	S-Posilok Dual Sidewinder Pin	6 / 13
S130DPNA	S-Posilok Dual Sidewinder Pin	9 / 19
S145SPNA	S-Posilok Dual Sidewinder Pin	12 / 26

Nemisys® lip and wing shrouds



Nemisys® Cable Shovel Lip Shrouds

PMID	Lock	Width		Length		Weight	
		mm	in	mm	in	kg	lb
N1SDSH322A	HP15	323	12.70	384	15.10	98	217
N1SDSH390	HPB-ASSY-1A	392	15.45	448	17.65	147	324
N3SDSH450	HPC-ASSY-2A	452	17.80	513	20.20	200	440

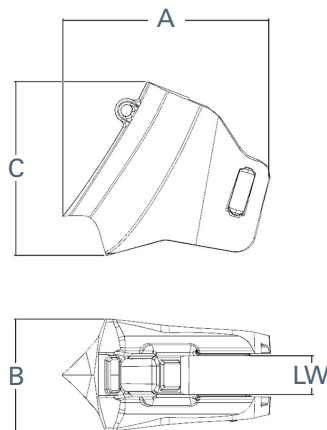
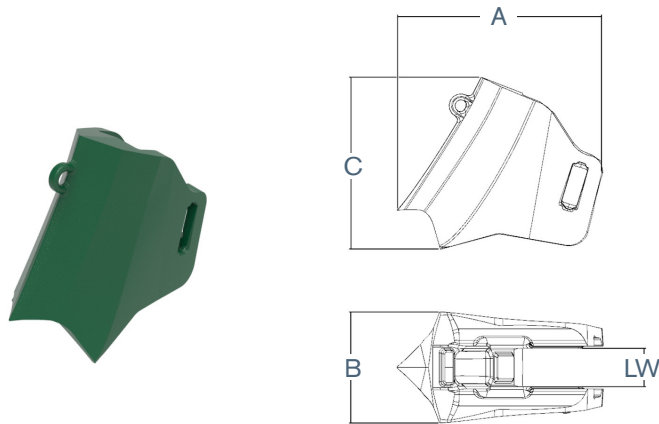


Plate Lip Wing Shrouds

PMID	Shroud Type	Wing Thickness A		Extension from Wing B		Shroud Width D		Weight		Pin	Boss
		mm	in	mm	in	mm	in	kg	lb		
N70LWS	Plate Lip Lower Wing	--	--	--	--	219	8.63	24	53	None	None
N95LWS-PW	Plate Lip Lower Wing	--	--	--	--	295	11.62	116	255	HP10	N1TB
N1LWS-PW5	Plate Lip Lower Wing	--	--	167	6.57	321	12.63	96	212	HPA	N1TB
N1LWS-PW3	Plate Lip Lower Wing	--	--	110	4.33	421	16.59	106	233	HPA	N1TB
NBW140X800	Plate Lip Upper Wing	140	5.50	201	7.90	800	31.50	223	492	HP15 - Included	TBB
NLWS65-1	Plate Lip Lower Wing	65	2.55	106	4.19	194	7.62	67	147	HP15 - Included	TBB
NLWS75-1	Plate Lip Lower Wing	75	3.00	98	3.86	200	7.87	68	151	HP15 - Included	TBB
NLWS90-1	Plate Lip Lower Wing	90	3.55	113	4.46	236	9.30	66	146	HP15 - Included	TBB

Nemisys® lip and wing shrouds



Cast Lip Wing Shrouds

PMID	Shroud Type	Wing Thickness A		Extension from Wing B		Shroud Width D		Weight		Pin	Boss
		mm	in	mm	in	mm	in	kg	lb		
N95LWS-A	Cast Lip Lower Wing	--	--	--	--	300	11.80	114	251	HP10 - Included	N1TB
N1LWS	Cast Lip Lower Wing	--	--	109	4.28	500	19.67	129	284	HPA	N1TB
N3LWS-3	Cast Lip Lower Wing	--	--	114	4.48	461	18.13	113	250	HPA	N1TB
N3LWS-6	Cast Lip Lower Wing	--	--	132	5.19	501	19.73	129	284	HPA	N1TB
N5LWS-2	Cast Lip Lower Wing	--	--	129	5.08	503	19.80	136	300	HPA	N1TB
N5LWS	Cast Lip Lower Wing	--	--	178	6.99	519	20.42	156	343	HPA	N1TB
N7LWS-2	Cast Lip Lower Wing	--	--	148	5.82	496	19.53	145	320	HPA	N1TB

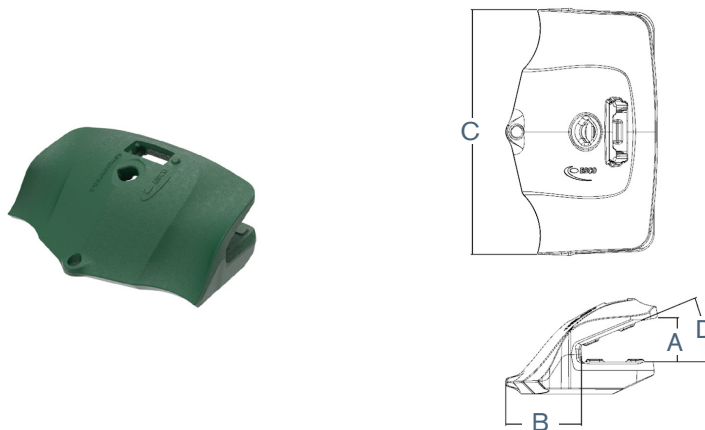
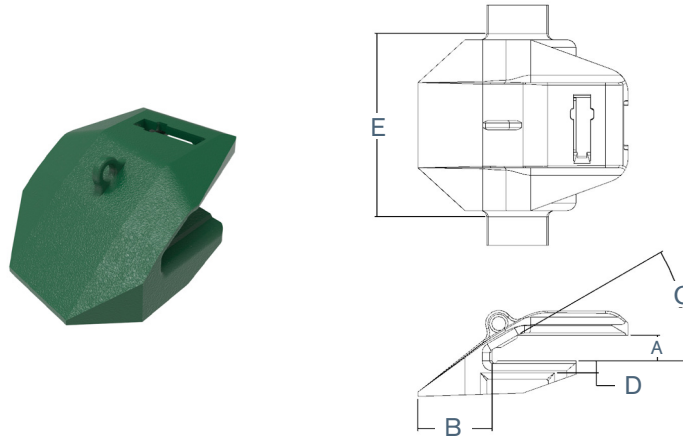


Plate Lip Shrouds

PMID	Shroud Type	Spade Angle	Lip Thickness A		Extension from Lip B		Ramp Angle C	Shroud Width		Weight		Boss	Pin Included
			mm	in	mm	in		mm	in	kg	lb		
NSH100X410-1L	Plate Lip	15	100	4.00	209	8.22	22.5	410	16.13	135	297	NSHB-1 / NSHB-2	HP15
NSH100X410-1R	Plate Lip	15	100	4.00	209	8.21	22.5	410	16.13	135	297	NSHB-1 / NSHB-2	HP15
NSH100X410-1	Plate Lip	0	100	4.00	215	8.46	22.5	410	16.13	134	295	NSHB-1 / NSHB-2	HP15
NSH100X480-1L	Plate Lip	22	100	4.00	202	7.94	22.5	480	18.90	158	348	NSHB-1 / NSHB-2	HP15
NSH100X480-1R	Plate Lip	22	100	4.00	202	7.94	22.5	480	18.90	158	348	NSHB-1 / NSHB-2	HP15
NSH100X500-1	Plate Lip	0	100	4.00	215	8.46	22.5	500	19.67	165	363	NSHB-1 / NSHB-2	HP15
NSH100X700-1	Plate Lip	0	100	4.00	215	8.46	22.5	700	27.55	235	517	NSHB-1 / NSHB-2	HP15

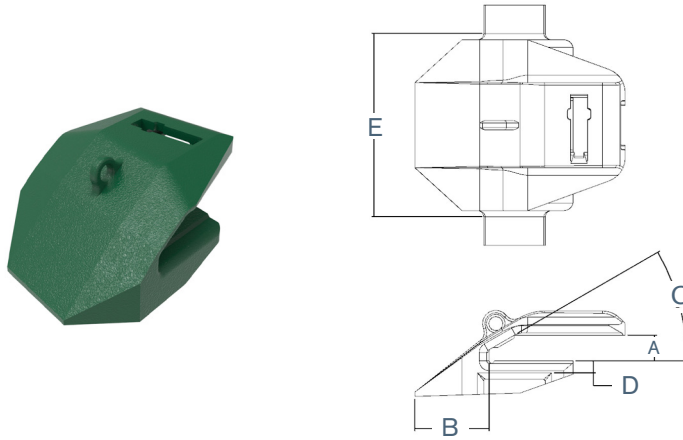
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip Thickness A		Extension from Lip B		Ramp Angle C	Undercut Below Lip D		Shroud Width E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TAC50X285-1A	FEL	0	50	2.00	150	5.91	30	72	2.83	285	11.22	57	126
TEC50X290-4B	FEL	0	50	2.00	158	6.24	25	38	1.50	290	11.42	50	110
TEC50X310-3B	FEL	0	50	2.00	159	6.25	25	38	1.50	310	12.20	53	116
TEC50X310-4LB	FEL	10	50	2.00	159	6.25	25	38	1.50	310	12.20	50	110
TEC50X310-4RB	FEL	10	50	2.00	159	6.25	25	38	1.50	310	12.20	50	110
TEC50X330-4B	FEL	0	50	2.00	159	6.25	25	38	1.50	330	12.99	55	121
TEC50X330-8	FEL	0	50	2.00	121	4.76	25	40	1.57	330	12.99	42	93
TEC50X330-9L	FEL	10	50	2.00	121	4.76	25	40	1.57	330	12.99	43	95
TEC50X330-9R	FEL	10	50	2.00	121	4.76	25	40	1.57	330	12.99	43	95
TAC50X285-2L	FEL	13	50	2.00	150	5.91	30	69	2.71	285	13.58	58	128
TAC50X285-2R	FEL	13	50	2.00	150	5.91	30	69	2.71	285	13.58	58	128
TAC50X345-1B	FEL	0	50	2.00	105	4.13	30	55	2.17	345	13.58	42	92
TAC50X345-1C	FEL	0	50	2.00	150	5.91	30	72	2.83	345	13.58	64	140
TAC50X345-2LB	FEL	10	50	2.00	103	4.07	30	52	2.05	345	13.58	41	91
TAC50X345-2LC	FEL	13	50	2.00	150	5.91	30	72	2.83	345	13.58	64	140
TAC50X345-2RB	FEL	10	50	2.00	103	4.07	30	52	2.05	345	13.58	41	91
TAC50X345-2RC	FEL	13	50	2.00	150	5.91	30	72	2.83	345	13.58	64	141
TAC50X345-6	FEL	0	50	2.00	150	5.91	30	72	2.83	370	14.58	64	142
TAC50X345-8L	FEL	13	50	2.00	150	5.91	30	72	2.83	415	16.35	64	141
TAC50X345-8R	FEL	13	50	2.00	150	5.91	30	72	2.83	415	16.35	64	141
TEC50X420-5B	FEL	0	50	2.00	159	6.25	25	38	1.50	420	16.54	62	137
TAC50X345-5L	FEL	13	50	2.00	150	5.91	30	72	2.83	422	16.61	64	142
TAC50X345-5R	FEL	13	50	2.00	150	5.91	30	72	2.83	422	16.61	64	142
TAC50X470-1A	FEL	0	50	2.00	105	4.13	30	55	2.17	470	18.50	53	117
TAC50X345-7L	FEL	13	50	2.00	205	8.06	30	70	2.77	486	19.12	66	145
TAC50X345-7R	FEL	13	50	2.00	205	8.06	30	70	2.77	486	19.12	66	145
TAC50X345-3	FEL	0	50	2.00	150	5.91	30	72	2.83	499	19.65	65	143
TAC50X345-4L	FEL	13	50	2.00	150	5.91	30	72	2.83	499	19.65	66	145
TAC50X345-4R	FEL	13	50	2.00	150	5.91	30	72	2.83	499	19.65	66	145
TAC65X292-1	FEL	0	65	2.50	140	5.50	25	72	2.82	292	11.50	54	119
TAC65X292-2L	FEL	10	65	2.50	140	5.50	25	72	2.82	292	11.50	54	119
TAC65X292-2R	FEL	10	65	2.50	140	5.50	25	72	2.82	292	11.50	54	119
TAC65X340-3	FEL	0	65	2.50	164	6.46	25	71	2.81	340	13.38	67	147
TAC65X340-4R	FEL	0	65	2.50	164	6.46	25	71	2.81	340	13.39	68	150
TAC65X340-1	FEL	0	65	2.50	140	5.50	25	72	2.82	341	13.44	61	135
TAC65X340-2L	FEL	10	65	2.50	140	5.50	25	72	2.82	341	13.44	62	136
TAC65X340-2R	FEL	10	65	2.50	140	5.50	25	72	2.82	341	13.44	62	136
TAC65X340-4L	FEL	0	65	2.50	150	5.91	30	48	1.88	345	13.58	68	150
TAC65X350-1A	FEL	0	65	2.50	127	5.00	30	49	1.92	350	13.78	50	111
TAC65X355-2L	FEL	20	65	2.50	76	2.99	25	44	1.73	356	14.00	38	84
TAC65X355-2R	FEL	20	65	2.50	76	2.99	25	44	1.73	356	14.00	38	84
TAC65X355-1	FEL	0	65	2.50	76	2.99	25	44	1.73	375	14.75	35	78

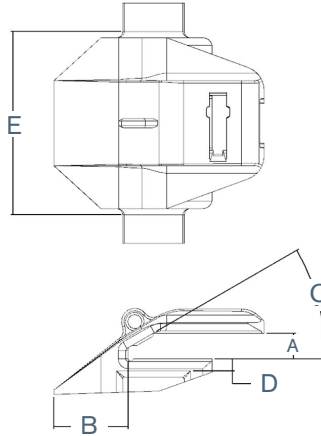
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TAC65X380-1A	FEL	0	65	2.50	76	3.00	25	44	1.74	375	14.75	36	80
TAC65X380-2LA	FEL	20	65	2.50	76	2.99	25	44	1.74	380	14.96	40	88
TAC65X380-2RA	FEL	20	65	2.50	76	2.99	25	44	1.74	380	14.96	40	88
TAC65X385-1A	FEL	0	65	2.50	140	5.50	25	72	2.82	387	15.25	67	149
TAC65X385-2LA	FEL	10	65	2.50	140	5.50	25	72	2.82	387	15.25	68	150
TAC65X385-2RA	FEL	10	65	2.50	140	5.50	25	72	2.82	387	15.25	68	149
TAC65X385-6R	FEL	10	65	2.50	168	6.63	25	59	2.32	387	15.25	63	139
TAC65X410-1	FEL	0	65	2.50	164	6.46	25	71	2.81	410	16.14	76	168
TAC65X410-2L	FEL	14	65	2.50	164	6.46	25	66	2.58	410	16.14	76	168
TAC65X410-2R	FEL	14	65	2.50	164	6.46	25	66	2.58	410	16.14	76	168
TAC70X320-6	FEL	0	70	2.75	115	4.53	30	44	1.73	320	12.60	48	106
TAC70X320-6A	FEL	0	70	2.75	115	4.53	30	44	1.73	320	12.60	47	104
TAC70X320-7L	FEL	10	70	2.75	114	4.49	30	44	1.73	320	12.60	49	108
TAC70X320-7LA	FEL	10	70	2.75	115	4.53	30	44	1.73	320	12.60	48	105
TAC70X320-7R	FEL	10	70	2.75	114	4.49	30	44	1.73	320	12.60	49	108
TAC70X320-7RA	FEL	10	70	2.75	115	4.53	30	44	1.73	320	12.60	48	105
TAC70X360-5A	FEL	0	70	2.75	158	6.22	30	44	1.73	360	14.17	60	132
TAC70X360-6	FEL	0	70	2.75	115	4.53	30	44	1.73	360	14.17	53	116
TAC70X360-7L	FEL	10	70	2.75	113	4.46	30	44	1.73	360	14.17	53	117
TAC70X360-7R	FEL	10	70	2.75	113	4.46	30	44	1.73	360	14.17	53	117
TAC70X400-5A	FEL	0	70	2.75	158	6.22	30	44	1.73	400	15.75	65	144
TAC70X400-6	FEL	0	70	2.75	115	4.53	30	44	1.73	400	15.75	57	125
TAC70X400-7L	FEL	10	70	2.75	115	4.53	30	44	1.73	400	15.75	57	125
TAC70X400-7R	FEL	10	70	2.75	115	4.53	30	44	1.73	400	15.75	57	125
TAC70X400-8L	FEL	10	70	2.75	115	4.53	30	44	1.73	400	15.75	55	121
TAC70X400-8R	FEL	10	70	2.75	115	4.53	30	44	1.73	400	15.75	55	121
TAC70X400L-5A	FEL	0	70	2.75	158	6.22	30	44	1.73	400	15.75	64	142
TAC70X400R-5A	FEL	0	70	2.75	158	6.22	30	44	1.73	400	15.75	64	142
TAC70X450-1A	FEL	0	70	2.75	151	5.93	30	73	2.89	450	17.72	93	205
TAC70X450-2LA	FEL	10	70	2.75	151	5.93	30	73	2.89	450	17.72	95	209
TAC70X450-2RA	FEL	10	70	2.75	151	5.93	30	73	2.89	450	17.72	95	209
TAC70X415-3L	FEL	13	70	2.75	151	5.93	30	74	2.90	510	20.09	98	215
TAC70X415-3R	FEL	13	70	2.75	151	5.93	30	74	2.90	510	20.09	98	215
TAC70X450-5L	FEL	13	70	2.75	151	5.93	30	73	2.89	556	21.88	97	214
TAC70X450-5R	FEL	13	70	2.75	151	5.93	30	73	2.89	556	21.88	97	214
TAC70X415-1	FEL	0	70	2.75	151	5.93	30	65	2.57	606	23.84	92	202
TAC70X415-2L	FEL	13	70	2.75	151	5.93	30	74	2.90	606	23.84	98	217
TAC70X415-2R	FEL	13	70	2.75	151	5.93	30	74	2.90	606	23.84	98	217
TAC70X450-3	FEL	0	70	2.75	151	5.93	30	74	2.90	635	24.99	97	214
TAC70X450-4L	FEL	10	70	2.75	151	5.93	30	74	2.90	661	26.04	100	220
TAC70X450-4R	FEL	10	70	2.75	151	5.93	30	74	2.90	661	26.04	100	220

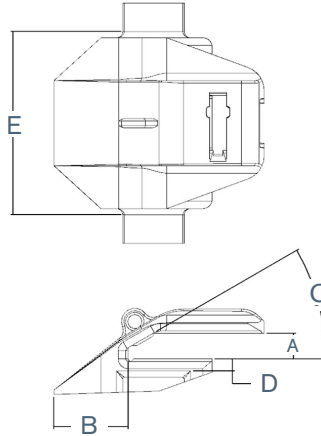
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TAC75X430-3L	FEL	13	75	3.00	165	6.51	30	93	3.66	541	21.28	138	305
TAC75X430-3R	FEL	13	75	3.00	165	6.51	30	93	3.66	541	21.28	138	305
TAC75X430-1	FEL	0	75	3.00	165	6.51	30	93	3.66	651	25.62	138	304
TAC75X430-2L	FEL	13	75	3.00	165	6.51	30	93	3.66	651	25.62	142	312
TAC75X430-2R	FEL	13	75	3.00	165	6.51	30	93	3.66	651	25.62	142	312
TBC90X320-1	FEL	0	90	3.50	188	7.40	30	89	3.49	320	12.60	115	253
TBC90X385-1	FEL	0	90	3.50	188	7.40	30	89	3.49	385	15.16	132	292
TBC90X385-2L	FEL	10	90	3.50	188	7.40	30	89	3.49	385	15.16	134	295
TBC90X385-2R	FEL	10	90	3.50	188	7.40	30	89	3.49	385	15.16	134	295
TBC90X400-1	FEL	0	90	3.50	188	7.40	30	89	3.49	400	15.75	137	302
TBC90X400-2L	FEL	10	90	3.50	188	7.40	30	89	3.49	400	15.75	138	305
TBC90X400-2R	FEL	10	90	3.50	188	7.40	30	89	3.49	400	15.75	138	305
TBC90X435-1C	FEL	0	90	3.50	188	7.40	30	89	3.49	435	17.13	144	317
TBC90X435-2LC	FEL	10	90	3.50	188	7.40	30	89	3.49	435	17.13	146	321
TBC90X435-2RC	FEL	10	90	3.50	188	7.40	30	89	3.49	435	17.13	146	321
TBC100X410-10LA	FEL	10	100	4.00	166	6.54	30	73	2.87	410	16.14	135	298
TBC100X410-10RA	FEL	10	100	4.00	166	6.54	30	73	2.87	410	16.14	135	298
TBC100X410-5A	FEL	0	100	4.00	250	9.84	22.5	84	3.29	410	16.14	188	414
TBC100X410-6LA	FEL	15	100	4.00	250	9.84	22.5	98	3.86	410	16.14	188	414
TBC100X410-6RA	FEL	15	100	4.00	250	9.84	22.5	98	3.86	410	16.14	188	414
TBC100X410-7	FEL	0	100	4.00	189	7.45	30	87	3.43	410	16.14	156	345
TBC100X410-8L	FEL	14	100	4.00	189	7.45	30	87	3.43	410	16.14	160	352
TBC100X410-8R	FEL	14	100	4.00	189	7.45	30	87	3.43	410	16.14	160	352
TBC100X410-9A	FEL	0	100	4.00	166	6.54	30	73	2.87	410	16.14	135	298
TBC100X410-1B	FEL	0	100	4.00	166	6.54	30	72	2.84	413	16.25	113	249
TBC100X410-2LB	FEL	10	100	4.00	166	6.54	30	73	2.87	413	16.25	118	260
TBC100X410-2RB	FEL	10	100	4.00	166	6.54	30	73	2.87	413	16.25	118	260
TBC100X470-3	FEL	0	100	4.00	208	8.18	22.5	81	3.19	470	18.50	239	527
TBC100X470-4L	FEL	21	100	4.00	208	8.18	22.5	107	4.22	470	18.50	250	551
TBC100X470-4R	FEL	21	100	4.00	208	8.18	22.5	107	4.22	470	18.50	250	551
TBC100X515-2L	FEL	15	100	4.00	208	8.18	22.5	81	3.20	515	20.29	264	581
TBC100X515-2R	FEL	15	100	4.00	208	8.18	22.5	81	3.20	515	20.29	264	581
TBC100X555-1	FEL	0	100	4.00	208	8.18	22.5	81	3.19	555	21.85	279	616
TBC100X750-1	FEL	0	100	4.00	208	8.18	22.5	81	3.20	750	29.53	347	766
TBC120X445-1	FEL/HFS	0	120	4.75	252	9.91	30	89	3.50	445	17.50	152	335
TBC120X445-2LA	FEL/HFS	13	120	4.75	242	9.52	30	89	3.50	445	17.50	159	350
TBC120X445-2RA	FEL/HFS	13	120	4.75	242	9.52	30	89	3.50	445	17.50	159	350
TAC70X240-1B	HOE	0	70	2.75	115	4.53	30	35	1.38	240	9.45	33	72
TAC70X240-2L	HFS	14	70	2.75	99	3.91	30	29	1.13	240	9.45	38	83
TAC70X240-2R	HFS	14	70	2.75	99	3.91	30	29	1.13	240	9.45	38	83
TAC70X280-1A	HOE	0	70	2.75	122	4.80	30	52	2.06	280	11.02	44	97

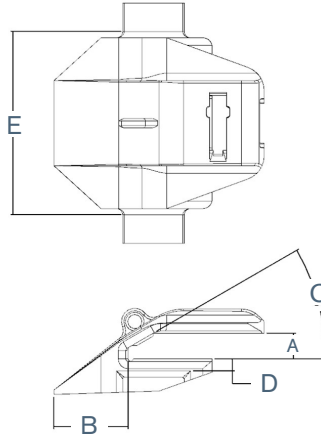
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TAC70X280-2LA	HOE	14	70	2.75	122	4.80	30	52	2.06	280	11.02	45	99
TAC70X280-2RA	HOE	14	70	2.75	122	4.80	30	52	2.06	280	11.02	45	99
TAC80X240-1B	HFS	0	80	3.15	95	3.75	30	44	1.72	240	9.45	35	77
TAC80X250-1	HFS	0	80	3.15	130	5.12	30	57	2.24	250	9.84	48	106
TAC80X275-1	HFS	0	80	3.15	130	5.12	30	57	2.24	275	10.83	50	111
TAC80X305-3	HOE	0	80	3.15	130	5.12	30	57	2.25	305	12.01	54	119
TAC80X305-4L	HOE	14	80	3.15	130	5.12	30	57	2.25	305	12.01	54	119
TAC80X305-4R	HOE	14	80	3.15	130	5.12	30	57	2.25	305	12.01	54	119
TAC90X225-1	HFS	0	90	3.50	128	5.03	30	36	1.42	225	8.86	47	104
TAC90X245-1A	HFS	0	90	3.50	105	4.13	30	35	1.38	245	9.65	37	81
TAC90X245-2LA	HFS	22	90	3.50	105	4.13	30	35	1.38	245	9.65	37	81
TAC90X245-2RA	HFS	22	90	3.50	105	4.13	30	35	1.38	245	9.65	37	81
TAC90X270-5	HOE	0	90	3.50	130	5.12	30	60	2.36	270	10.63	57	125
TAC90X270-6L	HOE	14	90	3.50	128	5.04	30	60	2.36	270	10.63	58	127
TAC90X270-6R	HOE	14	90	3.50	128	5.04	30	60	2.36	270	10.63	58	127
TAC90X320-5	HOE	0	90	3.50	130	5.12	30	60	2.36	320	12.60	72	159
TAC90X320-6L	HOE	14	90	3.50	128	5.04	30	60	2.36	320	12.60	74	163
TAC90X320-6R	HOE	14	90	3.50	128	5.04	30	60	2.36	320	12.60	74	163
TAC90X360-1	HFS	0	90	3.50	128	5.03	30	37	1.46	360	14.17	73	160
TAC90X360-2L	HFS	14	90	3.50	128	5.03	30	36	1.42	360	14.17	74	164
TAC90X360-2R	HFS	14	90	3.50	128	5.03	30	36	1.42	360	14.17	74	164
TAC90X390-1L	HFS	14	90	3.50	128	5.03	30	36	1.42	390	15.35	81	179
TAC90X390-1R	HFS	14	90	3.50	128	5.03	30	36	1.42	390	15.35	81	179
TBC100X290-3A	HOE	0	100	4.00	150	5.92	30	64	2.50	290	11.42	87	192
TBC100X290-4LA	HOE	22	100	4.00	150	5.92	30	63	2.48	290	11.42	87	191
TBC100X290-4RA	HOE	22	100	4.00	150	5.92	30	63	2.48	290	11.42	87	191
TBC100X310-1A	HFS	0	100	4.00	145	5.70	30	45	1.77	310	12.20	99	219
TBC100X320-1A	HFS	0	100	4.00	145	5.70	30	45	1.77	320	12.60	91	200
TBC100X320-2LB	HOE/HFS	10	100	4.00	145	5.70	30	45	1.77	320	12.60	95	209
TBC100X320-2RB	HOE/HFS	10	100	4.00	145	5.70	30	45	1.77	320	12.60	95	209
TBC100X345-1L	HFS	14	100	4.00	142	5.59	30	40	1.57	345	13.58	106	234
TBC100X345-1R	HFS	14	100	4.00	142	5.59	30	40	1.57	345	13.58	106	234
TBC100X350-4LA	HFS	10	100	4.00	145	5.70	30	45	1.77	350	13.78	105	232
TBC100X350-4RA	HFS	10	100	4.00	145	5.70	30	45	1.77	350	13.78	105	232
TBC100X360-4LA	HFS	10	100	4.00	145	5.70	30	45	1.77	360	14.17	107	235
TBC100X360-4RA	HFS	10	100	4.00	145	5.70	30	45	1.77	360	14.17	107	235
TBC100X370-3A	HFS	0	100	4.00	145	5.70	30	45	1.77	370	14.57	97	213
TBC100X370-4LA	HFS	10	100	4.00	145	5.70	30	45	1.77	370	14.57	108	237
TBC100X370-4RA	HFS	10	100	4.00	145	5.70	30	45	1.77	370	14.57	108	237
TBC100X375-1L	HFS	22	100	4.00	125	4.92	30	44	1.73	375	14.76	102	224
TBC100X375-1R	HFS	22	100	4.00	125	4.92	30	44	1.73	375	14.76	102	224
TBC100X375-2	HFS	0	100	4.00	125	4.92	30	45	1.77	375	14.76	98	217

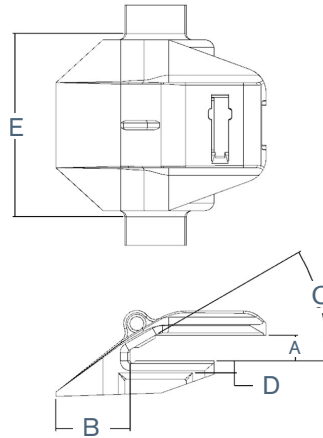
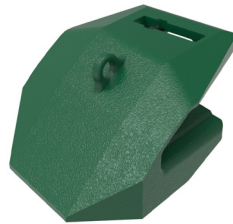
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TBC100X375-3L	HFS	14	100	4.00	142	5.59	30	40	1.57	375	14.76	112	246
TBC100X375-3R	HFS	14	100	4.00	142	5.59	30	40	1.57	375	14.76	112	246
TBC100X375-4	HFS	0	100	4.00	125	4.92	30	63	2.48	375	14.76	112	248
TBC100X375-5L	HFS	22	100	4.00	125	4.92	30	63	2.48	375	14.76	117	257
TBC100X375-5R	HFS	22	100	4.00	125	4.92	30	63	2.48	375	14.76	117	257
TBC100X380-3A	HFS	0	100	4.00	145	5.70	30	45	1.77	380	14.96	98	216
TBC100X380-4LA	HFS	10	100	4.00	145	5.70	30	45	1.77	380	14.96	109	240
TBC100X380-4RA	HFS	10	100	4.00	145	5.70	30	45	1.77	380	14.96	109	240
TBC100X410-11	HOE	0	100	4.00	217	8.56	22.5	70	2.75	410	16.14	144	317
TBC100X410-3A	HFS	0	100	4.00	145	5.70	30	45	1.77	410	16.14	112	246
TBC100X410-4LA	HFS	10	100	4.00	145	5.70	30	45	1.77	410	16.14	112	248
TBC100X410-4RA	HFS	10	100	4.00	145	5.70	30	45	1.77	410	16.14	112	248
TBC100X430-1	HFS	0	100	4.00	125	4.92	30	45	1.77	430	16.93	104	229
TBC100X430-2L	HFS	22	100	4.00	125	4.92	30	44	1.73	430	16.93	107	236
TBC100X430-2R	HFS	22	100	4.00	125	4.92	30	44	1.73	430	16.93	107	236
TBC120X215-2LA	HFS	11	120	4.75	143	5.63	30	44	1.73	275	10.83	108	238
TBC120X215-2RA	HFS	11	120	4.75	143	5.63	30	44	1.73	275	10.83	108	238
TBC120X275-1LA	HFS	11	120	4.75	143	5.63	30	44	1.73	275	10.83	108	238
TBC120X275-1RA	HFS	11	120	4.75	143	5.63	30	44	1.73	275	10.83	108	238
TBC120X215-1A	HFS	0	120	4.75	145	5.70	30	44	1.73	290	11.42	74	164
TBC120X290-1A	HFS	0	120	4.75	145	5.70	30	44	1.73	290	11.42	107	235
TBC120X300-6LA	HFS	11	120	4.75	143	5.63	30	44	1.73	300	11.81	104	230
TBC120X300-6RA	HFS	11	120	4.75	143	5.63	30	44	1.73	300	11.81	104	230
TBC120X325-3LA	HFS	11	120	4.75	145	5.71	30	45	1.77	300	11.81	107	236
TBC120X325-1	HOE/HFS	0	120	4.75	197	7.77	30	67	2.62	325	12.80	106	234
TBC120X325-2L	HOE/HFS	8	120	4.75	197	7.77	30	67	2.62	325	12.80	107	235
TBC120X325-2R	HOE/HFS	8	120	4.75	197	7.77	30	67	2.62	325	12.80	107	235
TBC120X325-6LA	HFS	11	120	4.75	143	5.63	30	44	1.73	325	12.80	107	236
TBC120X325-6RA	HFS	11	120	4.75	143	5.63	30	44	1.73	325	12.80	107	236
TBC120X330-1A	HFS	0	120	4.75	145	5.71	30	45	1.77	330	12.99	104	230
TBC120X330-2LA	HFS	22	120	4.75	145	5.71	30	44	1.73	330	12.99	104	230
TBC120X330-2RA	HFS	22	120	4.75	145	5.71	30	44	1.73	330	12.99	108	238
TBC120X330-5A	HFS	0	120	4.75	145	5.70	30	44	1.73	330	12.99	107	235
TBC120X330-6LA	HFS	11	120	4.75	143	5.63	30	44	1.73	330	12.99	108	238
TBC120X330-6RA	HFS	11	120	4.75	143	5.63	30	44	1.73	330	12.99	108	238
TBC120X350-2LA	HFS	11	120	4.75	145	5.71	30	44	1.73	350	13.78	110	243
TBC120X350-2RA	HFS	11	120	4.75	145	5.71	30	44	1.73	350	13.78	110	243
TBC120X350-3A	HFS	0	120	4.75	145	5.71	30	44	1.73	350	13.78	109	240
TBC120X380-1A	HFS	0	120	4.75	165	6.50	30	63	2.47	380	14.97	132	291
TBC120X380-2LA	HFS	11	120	4.75	165	6.50	30	63	2.47	380	14.97	135	298
TBC120X380-2RA	HFS	11	120	4.75	165	6.50	30	63	2.47	380	14.97	135	298
TBC120X380-3	HFS	0	120	4.75	140	5.51	30	44	1.73	381	15.00	101	222

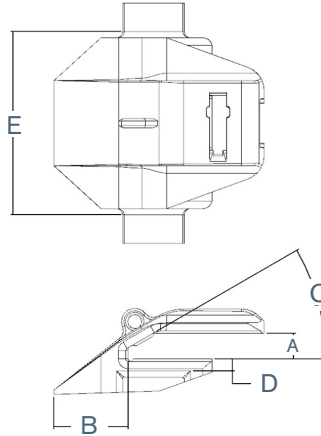
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TBC120X395-1	HFS	0	120	4.75	140	5.51	30	44	1.73	394	15.50	103	227
TBC120X395-2L	HFS	22	120	4.75	140	5.51	30	44	1.73	394	15.50	95	210
TBC120X395-2R	HFS	22	120	4.75	140	5.51	30	44	1.73	394	15.50	95	210
TBC120X395-3	HOE	0	120	4.75	197	7.77	30	67	2.64	394	15.50	123	272
TBC120X395-4L	HOE	22	120	4.75	197	7.77	30	67	2.64	394	15.50	132	292
TBC120X395-4R	HOE	22	120	4.75	197	7.77	30	67	2.64	394	15.50	132	290
TBC120X395-5	HFS	0	120	4.75	203	8.00	30	75	2.95	394	15.50	124	274
TBC120X400-5A	HFS	0	120	4.75	145	5.71	30	42	1.65	400	15.75	98	217
TBC120X400-6LA	HFS	12	120	4.75	145	5.71	30	42	1.65	400	15.75	98	217
TBC120X400-6RA	HFS	12	120	4.75	145	5.71	30	43	1.68	400	15.75	98	217
TBC120X410-1	HFS	0	120	4.75	140	5.51	30	44	1.73	410	16.14	106	234
TBC120X410-2L	HFS	22	120	4.75	140	5.51	30	44	1.73	410	16.14	110	242
TBC120X410-2R	HFS	22	120	4.75	140	5.51	30	44	1.73	410	16.14	111	244
TBC120X410-3L	HFS	14	120	4.75	170	6.71	30	48	1.89	410	16.14	141	311
TBC120X410-3R	HFS	14	120	4.75	170	6.71	30	47	1.85	410	16.14	145	319
TBC120X420-1	HFS	0	120	4.75	145	5.71	30	42	1.65	420	16.54	94	208
TBC120X420-2L	HFS	12	120	4.75	145	5.71	30	42	1.65	420	16.54	95	209
TBC120X420-2R	HFS	12	120	4.75	145	5.71	30	42	1.65	420	16.54	95	209
TBC120X440-1B	HFS	0	120	4.75	145	5.71	30	42	1.65	438	17.25	108	237
TBC120X440-2LB	HFS	12	120	4.75	145	5.71	30	42	1.65	438	17.25	111	244
TBC120X440-2RB	HFS	12	120	4.75	145	5.71	30	42	1.65	438	17.25	108	239
TBC120X445-1	FEL/HFS	0	120	4.75	252	9.91	30	89	3.50	445	17.50	152	335
TBC120X445-2LA	FEL/HFS	13	120	4.75	242	9.52	30	89	3.50	445	17.50	159	350
TBC120X445-2RA	FEL/HFS	13	120	4.75	242	9.52	30	89	3.50	445	17.50	159	350
TBC120X465-1	HFS	0	120	4.75	145	5.71	30	43	1.69	465	18.31	135	297
TBC120X465-2L	HFS	12	120	4.75	145	5.71	30	43	1.69	465	18.31	135	297
TBC120X465-2R	HFS	12	120	4.75	145	5.71	30	43	1.69	465	18.31	135	297
TBC120X465-5	HFS	0	120	4.75	145	5.71	30	64	2.51	465	18.31	151	334
TBC120X465-6L	HFS	0	120	4.75	145	5.71	30	64	2.51	465	18.31	151	334
TBC120X465-6R	HFS	0	120	4.75	145	5.71	30	64	2.51	465	18.31	151	334
TBC120X535-3	HFS	0	120	4.75	145	5.71	30	43	1.68	535	21.06	152	335
TBC120X535-4L	HFS	12	120	4.75	145	5.71	30	43	1.68	535	21.06	150	330
TBC120X535-4R	HFS	12	120	4.75	145	5.71	30	43	1.68	535	21.06	150	330
TBC120X535-5	HFS	0	120	4.75	145	5.71	30	63	2.47	535	21.06	164	361
TBC120X535-6L	HFS	12	120	4.75	145	5.71	30	63	2.47	535	21.06	164	361
TBC120X535-6R	HFS	12	120	4.75	145	5.71	30	63	2.47	535	21.06	164	361
TBC140X330-1	HFS	0	140	5.50	81	3.17	30	81	3.17	330	12.99	154	340
TBC140X330-1A	HFS	0	140	5.50	170	6.69	30	54	2.13	330	12.99	124	274
TBC140X330-2L	HFS	12	140	5.50	200	7.87	30	81	3.17	330	12.99	156	344
TBC140X330-2LA	HFS	12	140	5.50	170	6.69	30	55	2.17	330	12.99	125	275
TBC140X330-2R	HFS	12	140	5.50	200	7.87	30	81	3.17	330	12.99	156	344
TBC140X330-2RA	HFS	12	140	5.50	170	6.69	30	55	2.17	330	12.99	125	275

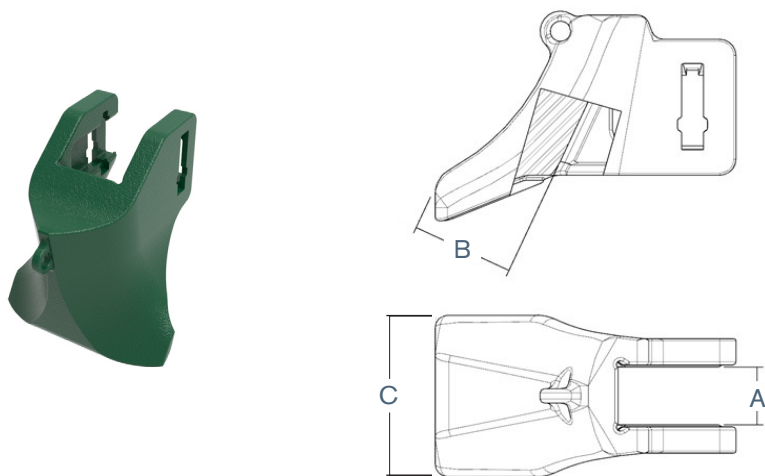
Toplok® lip shrouds



Lip Shrouds

PMID	Machine Type	Spade Angle	Lip A		Extension B		Ramp Angle	Undercut D		Shroud E		Weight	
			mm	in	mm	in		mm	in	mm	in	kg	lb
TBC140X390-3A	HFS	0	140	5.50	170	6.69	30	54	2.13	390	15.35	140	308
TBC140X390-4LA	HFS	12	140	5.50	170	6.69	30	55	2.17	390	15.35	141	310
TBC140X390-4RA	HFS	12	140	5.50	170	6.69	30	55	2.17	390	15.35	141	310
TBC140X405-1	HFS	0	140	5.50	170	6.69	30	55	2.17	404	15.92	143	316
TBC140X405-2L	HFS	12	140	5.50	170	6.69	30	55	2.17	404	15.92	144	317
TBC140X405-2R	HFS	12	140	5.50	170	6.69	30	55	2.17	404	15.92	144	317
TBC140X420-1A	HFS	0	140	5.50	170	6.69	30	54	2.13	420	16.54	145	320
TBC140X420-2LA	HFS	12	140	5.50	170	6.69	30	55	2.17	420	16.54	151	333
TBC140X420-2RA	HFS	12	140	5.50	170	6.69	30	55	2.17	420	16.54	151	333
TBC140X465-1LB	HOE	12	140	5.50	200	7.87	30	81	3.17	465	18.31	195	431
TBC140X465-1RB	HOE	12	140	5.50	200	7.87	30	81	3.17	465	18.31	195	431
TBC140X465-3A	HFS	0	140	5.50	165	6.50	30	64	2.50	465	18.31	186	409
TBC140X490-1B	HOE	0	140	5.50	200	7.87	30	81	3.17	490	19.29	199	439
TBC140X490-2LB	HOE	12	140	5.50	200	7.87	30	80	3.15	490	19.29	201	443
TBC140X490-2RB	HOE	12	140	5.50	200	7.87	30	80	3.15	490	19.29	201	443
TBC140X490-4L	HOE/HFS	12	140	5.50	201	7.90	30	81	3.20	490	19.30	230	507
TBC140X490-4R	HOE/HFS	12	140	5.50	201	7.90	30	81	3.20	490	19.30	230	507
TBC140X575-1LA	HOE	12	140	5.50	221	8.69	30	76	3.01	575	22.64	201	443
TBC140X575-1RA	HOE	12	140	5.50	221	8.69	30	76	3.01	575	22.64	201	443
TBC150X350-1A	HOE	0	150	6.00	211	8.30	33	73	2.86	350	13.78	136	300
TBC150X350-2LA	HOE	14	150	6.00	211	8.30	33	73	2.86	350	13.78	137	302
TBC150X350-2RA	HOE	14	150	6.00	211	8.30	33	73	2.86	350	13.78	137	302
TBC150X445-1	HOE	0	150	6.00	211	8.30	33	73	2.86	445	17.50	152	335
TBC150X445-2L	HOE	14	150	6.00	211	8.30	33	73	2.86	445	17.50	156	344
TBC150X445-2R	HOE	14	150	6.00	211	8.30	33	73	2.86	445	17.50	156	344
TBC160X385-1	HFS	0	160	6.25	200	7.89	30	65	2.56	385	15.16	188	414
TBC160X385-2L	HFS	14	160	6.25	200	7.89	30	65	2.56	385	15.16	185	408
TBC160X385-2R	HFS	14	160	6.25	200	7.89	30	65	2.56	385	15.16	185	408
TBC160X430-1	HOE	0	160	6.25	176	6.94	30	64	2.52	430	16.93	159	351
TBC160X430-2L	HOE	14	160	6.25	176	6.94	30	64	2.52	430	16.93	166	366
TBC160X430-2R	HOE	14	160	6.25	176	6.94	30	64	2.52	430	16.93	166	366
TBC160X450-1	HFS	0	160	6.25	200	7.89	30	65	2.56	450	17.72	207	456
TBC160X450-2L	HFS	14	160	6.25	197	7.75	30	65	2.56	450	17.72	204	450
TBC160X450-2R	HFS	14	160	6.25	197	7.75	30	65	2.56	450	17.72	204	450
TBC160X450-3	HOE	0	160	6.25	250	9.84	30	90	3.56	450	17.72	183	403
TBC160X450-4L	HOE	14	160	6.25	250	9.84	30	90	3.56	450	17.72	187	412
TBC160X450-4R	HOE	14	160	6.25	250	9.84	30	90	3.56	450	17.72	187	412
TBC160X465-1	HOE	0	160	6.25	176	6.94	30	64	2.52	465	18.31	166	366
TBC160X465-2L	HOE	14	160	6.25	176	6.94	30	64	2.52	465	18.31	173	381
TBC160X465-2R	HOE	14	160	6.25	176	6.94	30	64	2.52	465	18.31	173	381
TBC160X520-1L	HFS	14	160	6.25	227	8.94	30	64	2.52	520	20.47	298	656
TBC160X520-1R	HFS	14	160	6.25	227	8.94	30	64	2.52	520	20.47	298	656
TBC160X570-1L	HFS	14	160	6.25	227	8.94	30	64	2.52	570	22.44	309	682
TBC160X570-1R	HFS	14	160	6.25	227	8.94	30	64	2.52	570	22.44	309	682

Toplok® lip shrouds



Lower Wing Shrouds

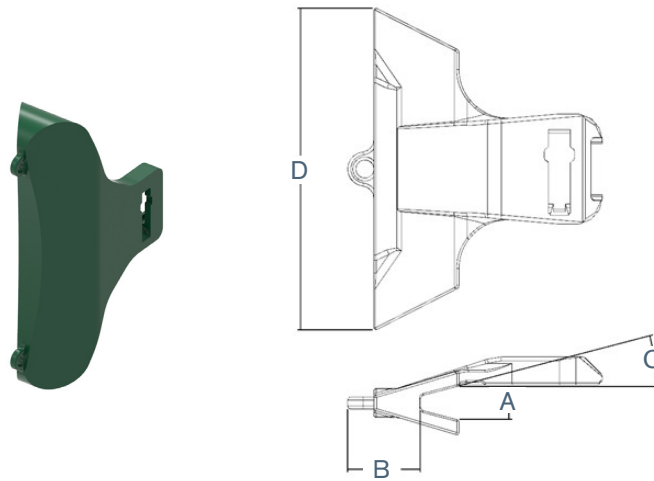
PMID	Shroud Type	Wing Thickness A		Extension from Lip B		Shroud Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
TAW50-1	Cast Corner	50	2.00	135	5.30	308	12.12	60	133
TAW65-1	Cast Corner	65	2.50	138	5.42	314	12.36	67	147
TAW75-1	Cast Corner	70	2.75	160	6.30	324	12.75	71	157
TAW90-1	Cast Corner	90	3.50	160	6.30	330	12.99	70	154
TAW115-1	Cast Corner	115	4.50	168	6.62	380	14.98	80	177

Lower Wing Shrouds

PMID	Shroud Type	Wing Thickness A		Extension from Lip B		Shroud Width C		Weight	
		mm	in	mm	in	mm	in	kg	lb
TAW135-1	Cast Lip	120	4.75	206	8.11	444	17.48	101	222
TAW135-2*	Cast Lip*	120	4.75	170	6.69	339	13.36	112	246
TBW165-1L*	Cast Lip*	160	6.25	152	6.00	368	14.50	173	381
TBW165-1R*	Cast Lip*	160	6.25	152	6.00	368	14.50	173	381

*For earlier ESCO lip and shroud system

Toplok® lip shrouds



Upper Wing Shrouds

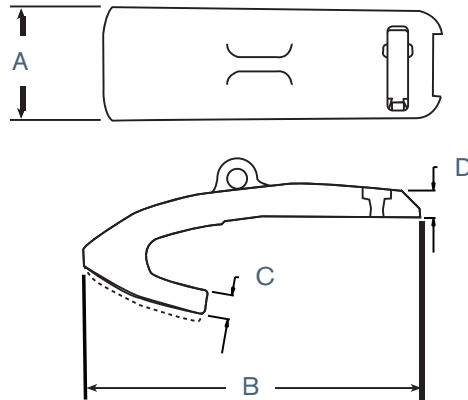
PMID	Machine Type	Wing Thickness A		Extension from Lip B		Chamfer Angle C	Shroud Width D		Weight	
		mm	in	mm	in		mm	in	kg	lb
TEW38X440-1	LHD/FEL	38	1.40	87	3.42	0	433	17.03	25	55
TEW38X440-2	LHD/FEL	38	1.40	87	3.42	0	433	17.03	25	55
TAW40X440-1A	Backhoe/FEL/HFS	40	1.50	117	4.59	0	437	17.20	23	51
TAW40X560-1**	Cat Profile 1500mm Radius	40	1.50	188	7.42	0	561	22.08	47	105
TAW40X600-1	Backhoe/FEL/HFS	40	1.50	76	3.00	0	600	23.60	29	64
TAW50X505-1A	Backhoe/FEL/HFS	50	2.00	113	4.46	15	507	19.97	27	60
TAW50X505-2	Backhoe/FEL/HFS	50	2.00	110	4.33	0	507	19.97	44	96
TAW50X630-1A**	1500mm Radius	50	2.00	106	4.18	0	628	24.73	44	98
TBW50X655-1**	1500mm Radius	50	2.00	208	8.18	0	671	26.42	78	172
TAW50X800-1A*	Backhoe/FEL/HFS	50	2.00	132	5.21	0	800	31.50	71	156
TAW65X800-1B*	Backhoe/FEL/HFS	65	2.50	125	4.92	0	800	31.50	74	164
TBW75X545-1A	Backhoe/HFS	75	3.00	120	4.73	15	546	21.50	43	95
TBW75X555-1	Backhoe/FEL/HFS	75	3.00	168	6.60	0	555	21.85	76	167
TBW75X655-1**	1500mm Radius	75	3.00	168	6.60	0	653	25.70	88	194
TBW80X800-1A*	Backhoe/HFS	75	3.00	154	6.08	0	800	31.49	109	240
TBW90X855-1A	Backhoe/FEL/HFS	90	3.50	268	10.55	0	855	33.65	205	452
TBW100X965-1**	Cat Profile 1500mm Radius	100	4.00	169	6.64	0	965	38.00	159	351
TBW120X760-1A	Backhoe/FEL/HFS	120	4.75	212	8.36	0	760	29.92	184	406
TAW120X760-1	Backhoe/HFS	120	4.75	213	8.40	0	762	30.00	147	325
TAW120X760-1	Backhoe/HFS	120	4.75	213	8.40	0	762	30.00	147	325
TBW140X800-1	Backhoe/HFS	140	5.50	225	8.85	0	803	31.60	211	466
TBW90X495-1	FEL T-4 Wing Casting	--	--	165	6.50	--	497	19.58	61	134

NOTE: Though not common, minor bucket wing grinding may be required for fit-up of upper wing shroud due to weld repair, peening or other wing features

* Wing shroud has optional provision for through-pin attachment if wing features holes for pins

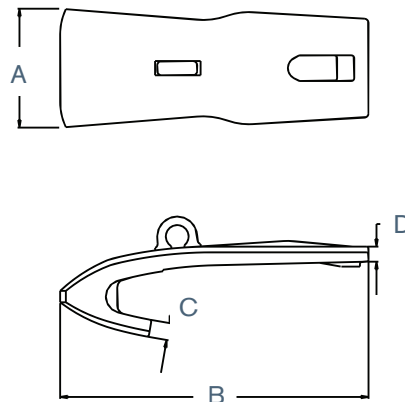
** Profile of bucket wing leading edge for some buckets have a radius of 1500 mm / 59.0 in

Whisler WH-8 lip shrouds



Toplok[®] Lip Center Shrouds

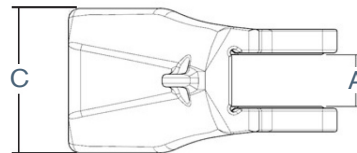
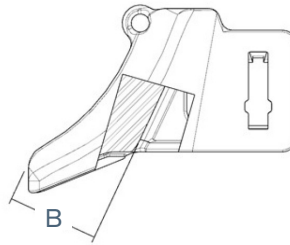
PMID	Locks		Width A		Length B		Lower Leg Thickness C		Upper Leg Thickness D		Weight		Comments
	Boss	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb	
TECS8-1	TEBA	TEP	152	6.00	607	23.9	42	1.67	43	1.69	59	130	Standard Duty
TACS8-1B	TAB	TAP	185	7.28	544	21.4	38	1.50	38	1.50	45	99	Standard Duty
TACS8-2B	TAB	TAP	240	9.44	544	21.4	38	1.50	38	1.50	62	137	Standard Duty
TACS8-2-HD	TAB	TAP	240	9.44	569	22.4	70	2.75	70	2.75	91	200	High Abrasion
TACS8-3B	TAB	TAP	354	13.94	544	21.4	38	1.50	38	1.50	86	189	Standard Duty
TACS8-3-HD	TAB	TAP	354	13.94	569	22.4	70	2.75	70	2.75	134	295	High Abrasion
TACS8-4B	TAB	TAP	264	10.41	544	21.4	38	1.50	38	1.50	60	132	Standard Duty
TACS8-4-HD	TAB	TAP	257	10.12	569	22.4	70	2.75	70	2.75	91	201	High Abrasion
TACS8-5	TAB	TAP	305	12.00	607	23.9	38	1.50	40	1.57	116	255	Standard Duty
TACS8-6	TAB	TAP	248	9.75	607	23.9	40	1.57	40	1.57	92	203	Standard Duty



Lip Center Shrouds

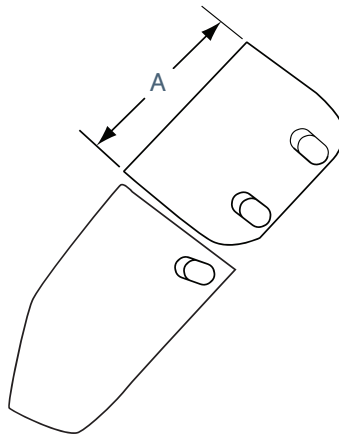
PMID	Locks		Width A		Length B		Lower Leg Thickness C		Upper Leg Thickness D		Weight		Comments
	C-Clamp	Wedge	mm	in	mm	in	mm	in	mm	in	kg	lb	
CE25182	419CLT	419WT	210	8.27	686	27.00	38	1.48	34	1.32	55	121	Lip Center Inside
CE25182-2	419CLT	419WT	278	10.93	686	27.00	38	1.48	34	1.32	75	165	Lip Center Inside
CE25182-5	419CLT	419WT	210	8.27	686	27.00	38	1.48	34	1.32	48	105	Lip Center Inside
CE25183	419CLT	419WT	219	8.62	686	27.00	38	1.48	34	1.32	68	150	Lip Center Outside
CE28993	419CLT	419WT	202	7.96	781	30.75	--	--	--	--	104	230	Lip Center Inside
CE28993-2	419CLT	419WT	285	11.24	781	30.75	--	--	--	--	144	317	Lip Center Inside

Whisler WH-8 lip shrouds



Toplok® Wing Shrouds

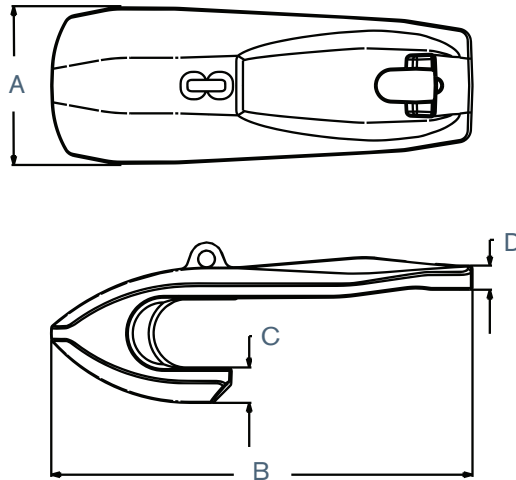
PMID	Shroud Type	Locks		Length		Weight		Comments
		Boss	Pin	mm	in	kg	lb	
TAWS8-1B	Upper Wing	TAB	TBP	375	14.75	55	122	Standard Duty
TAWS8-2LB	Lower Wing	TAB	TBP	--	--	71	157	Standard Duty
TAWS8-2RB	Lower Wing	TAB	TBP	--	--	71	157	Standard Duty
TAWS8-2L-HD	Lower Wing	TAB	TBP	--	--	95	210	High Abrasion
TAWS8-2R-HD	Lower Wing	TAB	TBP	--	--	95	210	High Abrasion
TAWS8-3LA	Lower Wing	TAB	TBP	--	--	68	151	Standard Duty
TAWS8-3RA	Lower Wing	TAB	TBP	--	--	68	151	Standard Duty
TAWS8-6L	Lower Wing	TAB	TBP	--	--	209	460	For AMSCO Wing; Standard Duty
TAWS8-6R	Lower Wing	TAB	TBP	--	--	209	460	For AMSCO Wing; Standard Duty



Wing Shrouds

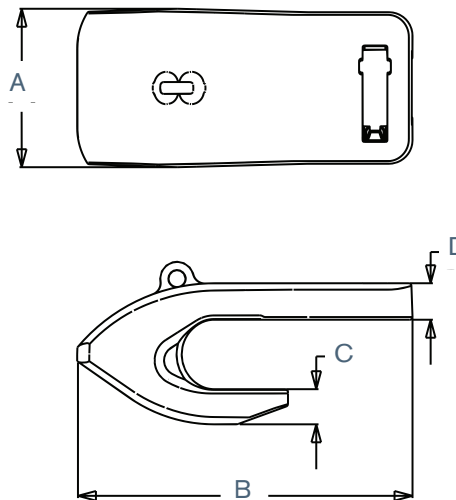
PMID	Shroud Type	Locks		Length		Weight		Comments
		C-Clamp	Wedge	mm	in	kg	lb	
PDE30318A	Upper Wing	488SPT	487WT	375	14.75	56	124	Standard Duty
PDE30318A-XHD	Upper Wing	488SPT	487WT	375	14.75	63	139	High Abrasion
CE25775L	Lower Wing	447SPT	447WT	--	--	47	103	Standard Duty
CE25775R	Lower Wing	447SPT	447WT	--	--	47	103	Standard Duty
PDE32721LB	Lower Wing	488SPT	487WT	--	--	68	151	Standard Duty
PDE32721RB	Lower Wing	488SPT	487WT	--	--	68	151	Standard Duty
PDE32721LA-XHD	Lower Wing	488SPT	487WT	--	--	88	193	High Abrasion
PDE32721RA-XHD	Lower Wing	488SPT	487WT	--	--	88	193	High Abrasion

Whisler WH-10 lip shrouds



Whisler Plus™ (WHP) Lip Center Shrouds

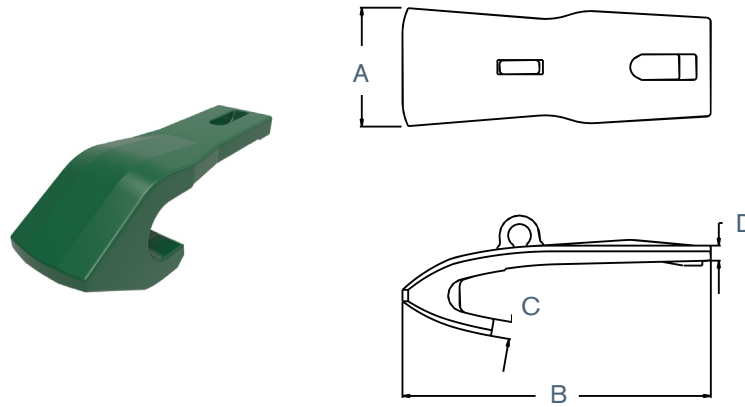
PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	Spool	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb	
WHP10X278CS-1A	WHP10TSPCSA	WHP10TWCSA	278	10.95	804	31.66	44	1.75	62	2.43	114	252	WH-10
WHP10X278CS-2A	WHP10TSPCSA	WHP10TWCSA	278	10.95	804	31.66	67	2.63	58	2.30	140	308	WH-10
WHPS10X270CS-1	WHP10TSPCSA	WHP10TWCSA	270	10.62	809	31.85	66	2.58	47	1.84	123	272	For ESCO Super 10 Lips
WHPS10X287CS-1	WHP10TSPCSA	WHP10TWCSA	287	11.30	778	30.62	65	2.55	63	2.46	132	290	For ESCO Super 10 Lips
WHPS10X305CS-1	WHP10TSPCSA	WHP10TWCSA	305	12.00	809	31.85	66	2.58	47	1.84	138	304	For ESCO Super 10 Lips



Toplok® Lip Center Shrouds

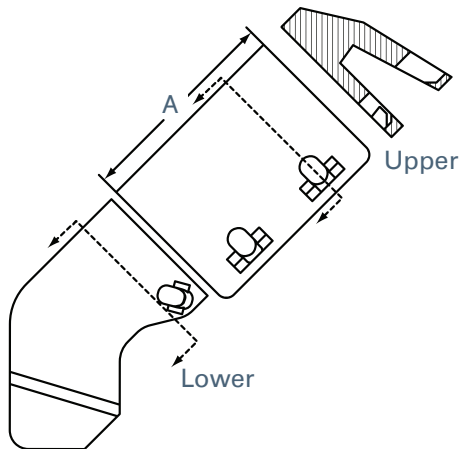
PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	Boss	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb	
TBCS10-1D	TBB	TBP	278	10.95	632	24.87	44	1.75	69	2.72	122	268	Standard Duty
TBCS10-6A	TBB	TBP	219	8.62	632	24.87	67	2.62	69	2.72	113	250	High Abrasion
TBCS10-9	TBB	TBP	318	12.50	632	24.87	44	1.75	69	2.72	145	320	For AMSCO Lips; Standard Duty
TBCS10-10	TBB	TBP	279	11.00	548	21.56	51	2.00	57	2.25	100	220	Standard Duty
TBCS10-12	TBB	TBP	259	10.19	632	24.87	70	2.75	69	2.72	120	264	Standard Duty, No Lip Stabilizer Pocket
TBCS10-13	TBB	TBP	298	11.75	632	24.87	66	2.60	69	2.70	147	323	Standard Duty

Whisler WH-10 lip shrouds



Whisler Center Lip Shrouds

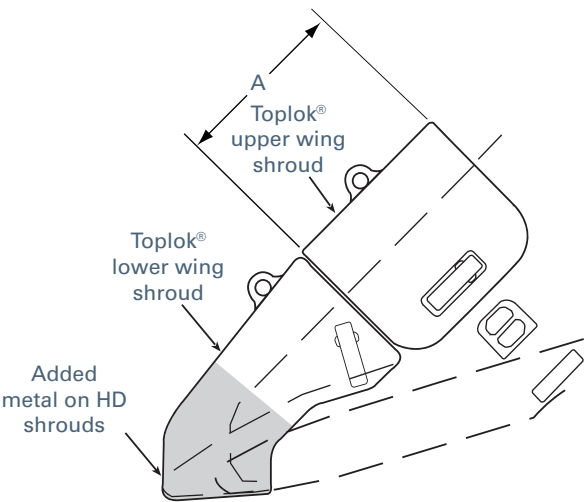
PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	C-Clamp	Wedge	A		B		C		D		kg	lb	
CE25759A	419CLT	419WT	278	10.95	806	31.75	44	1.75	49	1.94	120	265	Oversize Wedge 419WT2
CE25759-4A	419CLT	419WT	236	9.28	806	31.75	44	1.75	49	1.94	97	214	Oversize Wedge 419WT2
CE25759-5A	419CLT	419WT	279	11.00	862	33.94	56	2.20	66	2.60	138	304	Oversize Wedge 419WT2
ET9292A	419CLT	419WT	330	13.00	806	31.75	44	1.75	49	1.94	193	425	Oversize Wedge 419WT2
CE25031B	419CLT	419WT	278	10.95	806	31.75	64	2.50	49	1.94	145	320	Oversize Wedge 419WT2
CE25031-4D	419CLT	419WT	200	7.87	806	31.75	64	2.50	49	1.94	95	210	Oversize Wedge 419WT2
H25759H	419CLT	419WT	278	10.95	832	32.75	70	2.75	49	1.94	147	325	Oversize Wedge 419WT2
H25759-4HA	419CLT	419WT	236	9.28	832	32.75	70	2.75	49	1.94	117	257	Oversize Wedge 419WT2
PDE47064	419CLT	419WT	278	10.95	806	31.75	44	1.75	68	2.69	154	340	Oversize Wedge 419WT2
PDE49167-6	419CLT	419WT	259	10.19	806	31.75	64	2.50	49	1.94	129	284	ESCO Super 10 Lips; Oversize Wedge 419WT2
290236	419CLT	419WT	267	10.50	832	32.75	64	2.50	49	1.94	154	340	For AMSCO Lips



Whisler Plus™ (WHP) Wing Shrouds

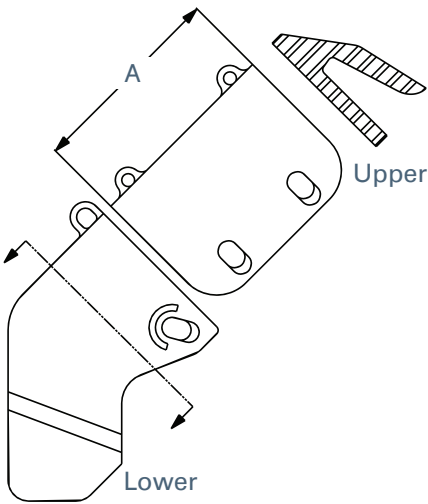
PMID	Shroud Type	Locks		Length		Weight		Comments
		Spool	Pin	mm	in	kg	lb	
WHP10UWS-1A	Upper Wing	WHP10TSPWSB	WHP10TWWSA	495	19.50	134	295	For Double Curved Lips
WHP10UWS-1B	Upper Wing	WHP10TSPWSB	WHP10TSPWSB	495	19.50	127	280	For Double Curved Lips
WHP10LWS-1LA	Lower Wing	WHP10TSPWSB	WHP10TWWSA	--	--	147	325	For Double Curved Lips
WHP10LWS-1LB	Lower Wing	WHP10TSPWSB	WHP10TSPWSB	--	--	147	324	For Double Curved Lips
WHP10LWS-1RA	Lower Wing	WHP10TSPWSB	WHP10TWWSA	--	--	147	325	For Double Curved Lips
WHP10LWS-1RB	Lower Wing	WHP10TSPWSB	WHP10TSPWSB	--	--	147	324	For Double Curved Lips
WHP10LWS-2LB	Lower Wing	WHP10TSPWSB	WHP10TWWSA	--	--	159	351	For Straight Curved Lips
WHP10LWS-2RB	Lower Wing	WHP10TSPWSB	WHP10TWWSA	--	--	159	351	For Straight Curved Lips

Whisler WH-10 lip shrouds



Toplok® Wing Shrouds

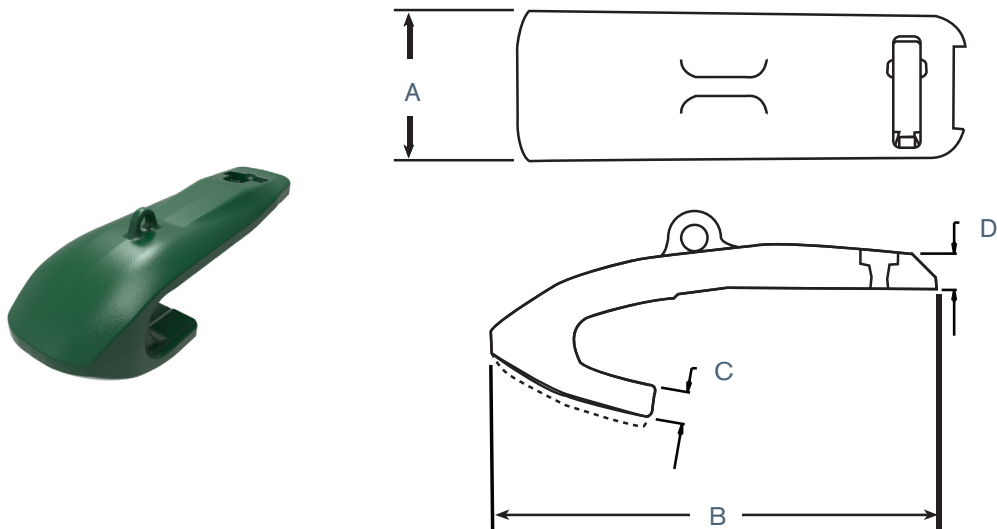
PMID	Shroud Type	Locks		Length		Weight		Comments
		Boss	Pin	mm	in	kg	lb	
TAWS10-1	Upper Wing	TAB	TAP	495	19.5	151	332	
TAWS10-2L	Lower Wing	TAB	TAP	--	--	186	410	For Double Curved Lips
TAWS10-2R	Lower Wing	TAB	TAP	--	--	186	410	For Double Curved Lips
TAWS10-3L	Lower Wing	TAB	TAP	--	--	200	445	For Straight Curved Lips
TAWS10-3R	Lower Wing	TAB	TAP	--	--	200	445	For Straight Curved Lips



Wing Shrouds

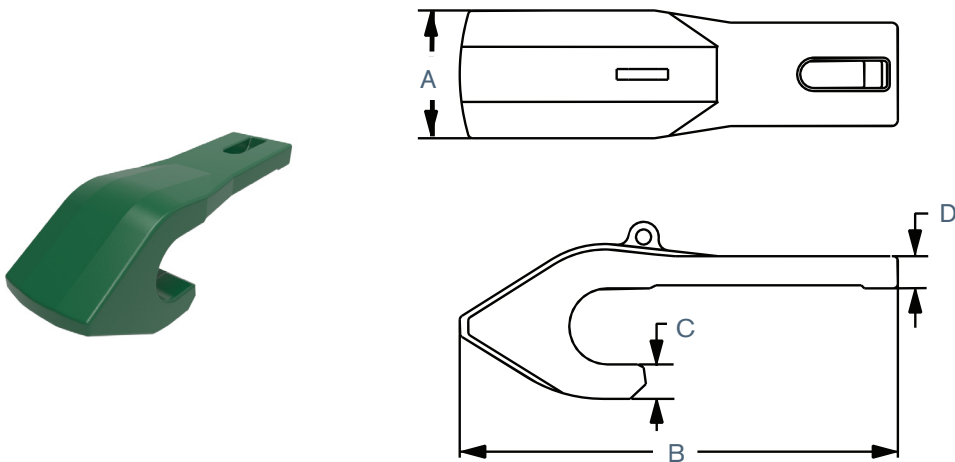
PMID	Shroud Type	Locks		Length		Weight		Comments
		C-Clamp	Wedge	mm	in	kg	lb	
PDD27246A	Upper Wing	486SPT	485WT	495	19.50	132	290	
PDE32716L2H-12H	Lower Wing	486SPT	485WT	--	--	149	328	For Double Curved Lips
PDE32716R2H-12H	Lower Wing	486SPT	485WT	--	--	149	328	For Double Curved Lips
PDE51647LA	Lower Wing	486SPT	485WT	--	--	151	333	For Straight Curved Lips
PDE51647RA	Lower Wing	486SPT	485WT	--	--	151	333	For Straight Curved Lips

Whisler WH-12 lip shrouds for Bucyrus International



Whisler Plus™ (WHP) Lip Center Shroud

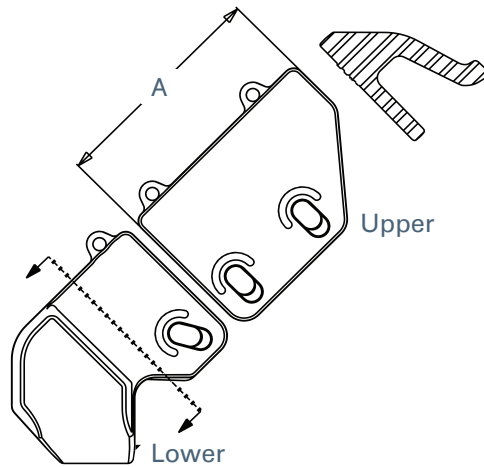
PMID	Locks		Width A		Length B		Lower Leg Thickness C		Upper Leg Thickness D		Weight	
	Spool	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb
WHP12X267BCS-1	WHP12TSPBCS	WHP12TWCS	267	10.50	857	33.73	73	2.86	79	3.11	151	333



Whisler Lip Center Shroud

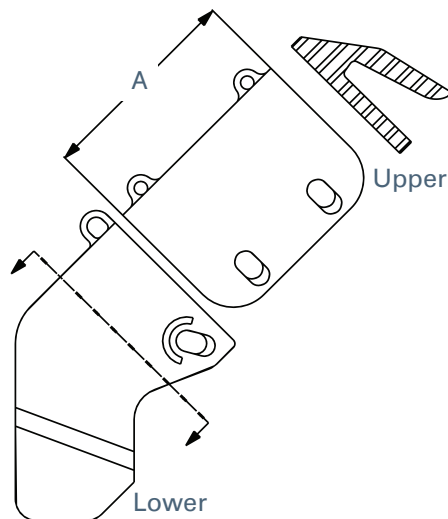
PMID	Locks		Width A		Length B		Lower Leg Thickness C		Upper Leg Thickness D		Weight	
	C-Clamp	Wedge	mm	in	mm	in	mm	in	mm	in	kg	lb
PDE51916-1	9770CL	9771WT	267	10.50	914	36.00	72	2.83	67	2.63	168	411

Whisler WH-12 lip shrouds for Bucyrus International



Whisler Plus™ (WHP) Wing Shrouds

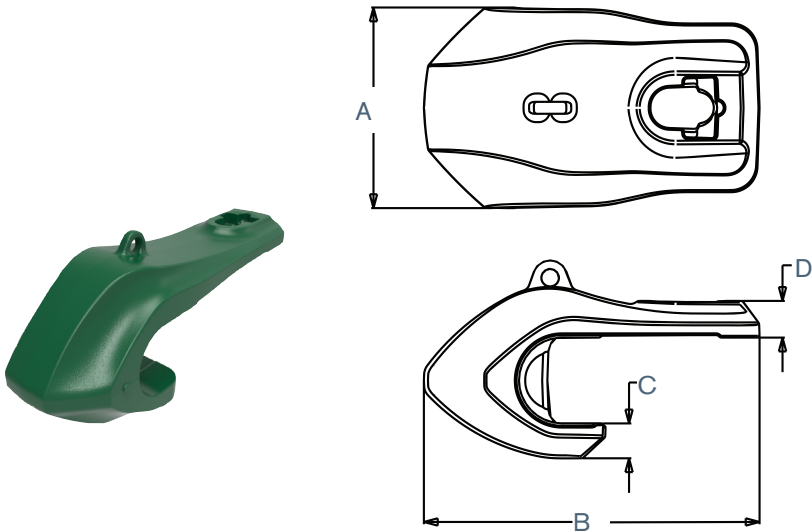
PMID	Shroud Type	Locks		Length		Weight		Comments
		Spool	Pin	mm	in	kg	lb	
WHP12BUWS-1L	Upper Wing	WHP12TSPBWS	WHP12TWWS	552	21.75	142	313	Wings with 229mm/9.00in Lock Hole Spacing
WHP12BUWS-1R	Upper Wing	WHP12TSPBWS	WHP12TWWS	552	21.75	142	313	Wings with 229mm/9.00in Lock Hole Spacing
WHP12BUWS-1LA	Upper Wing	WHP12TSPBWS	WHP12TWWS	552	21.75	140	310	Wings with 229mm/9.00in Lock Hole Spacing
WHP12BUWS-1RA	Upper Wing	WHP12TSPBWS	WHP12TWWS	552	21.75	140	310	Wings with 229mm/9.00in Lock Hole Spacing
WHP12BUWS-2	Upper Wing	WHP12TSPBWS	WHP12TWWS	539	21.21	159	350	Wings with 381mm/15.00in Lock Hole Spacing
WHP12BLWS-1L	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	166	365	Use with WHP12BUWS-1L
WHP12BLWS-1R	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	166	365	Use with WHP12BUWS-1R
WHP12BLWS-2L	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	180	398	Use with WHP12BUWS-2
WHP12BLWS-2R	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	180	398	Use with WHP12BUWS-2
WHP12BLWS-1LA	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	162	358	Use with WHP12BUWS-2
WHP12BLWS-1RA	Lower Wing	WHP12TSPBWS	WHP12TWWS	--	--	162.4	358	Use with WHP12BUWS-2



Wing Shrouds

PMID	Shroud Type	Locks		Length		Weight		Comments
		C-Clamp	Wedge	mm	in	kg	lb	
PDE52677A	Upper Wing	PDE52678	PDE52679	556	21.88	170	374	Wings with 381mm/15.00in Lock Hole Spacing
PDE52676LC	Lower Wing	PDE52678	PDE52679	--	--	168	371	Universal Fit
PDE52676RC	Lower Wing	PDE52678	PDE52679	--	--	168	371	Universal Fit

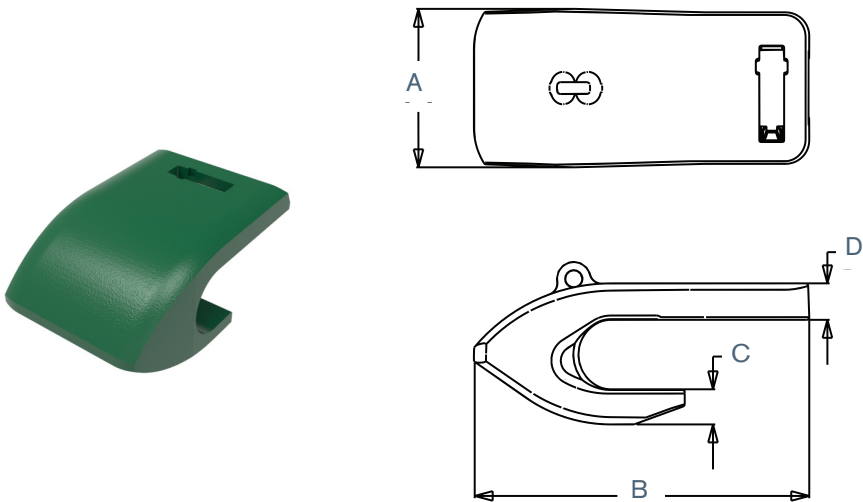
Whisler WH-12 lip shrouds for P&H



Whisler Plus™ (WHP) Lip Center Shrouds

PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	Spool	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb	
WHP12X368HCS-1	WHP12TSPHCS	WHP12TWCS	368	14.50	616	24.26	64	2.53	67	2.65	156	345	
WHP12X293HCS-1NP	WHP12TSPHCS	WHP12TWCS	293	11.54	690	27.17	50	1.97	66	2.59	278	126	--
WHP12X275HCS-1*	WHP12TSPHCS	WHP12TWCS	275	10.81	682	26.84	62	2.46	66	2.59	122	270	Designed for Oil sands

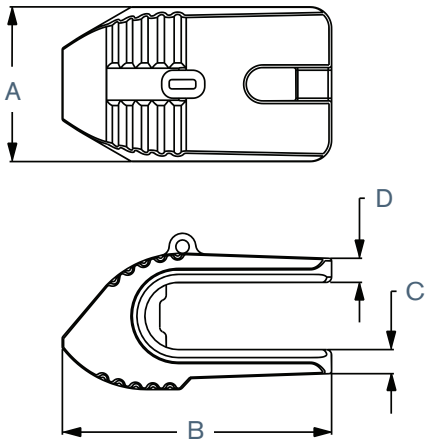
* Special fit only for oil sands lip



Toplok® Lip Center Shroud

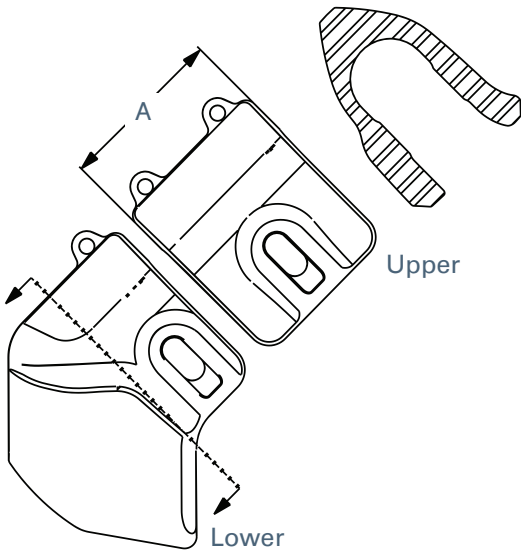
PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	Boss	Pin	mm	in	mm	in	mm	in	mm	in	kg	lb	
TBCS12-1A	TBB	TBP	368	14.50	579	22.79	44	1.75	64	2.50	177	390	Standard Duty

Whisler WH-12 lip shrouds for P&H



Whisler Lip Center Shroud

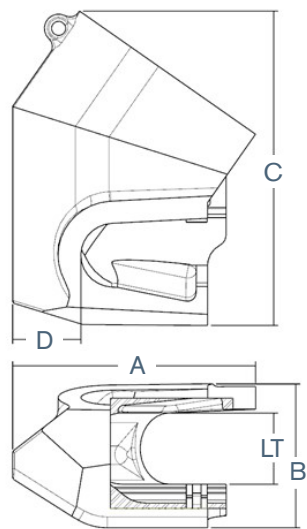
PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
	C-Clamp	Wedge	A	mm	B	mm	C	mm	D	mm	kg	lb	
PDE51133	PDE51310	PDE51311A	368	14.50	641	25.25	57	2.25	57	2.25	240	530	Oversize Wedge PDE51311-3A



Whisler Plus™ (WHP) Wing Shrouds

PMID	Shroud Type	Locks		Length		Weight	
		Spool	Pin	mm	in	kg	lb
WHP12HUWS-1	Upper Wing	WHP12TSPHWS	WHP12TWWS	353	13.88	122	268
WHP12HLWS-1L	Lower Wing	WHP12TSPHWS	WHP12TWWS	--	--	252	556
WHP12HLWS-1R	Lower Wing	WHP12TSPHWS	WHP12TWWS	--	--	252	556

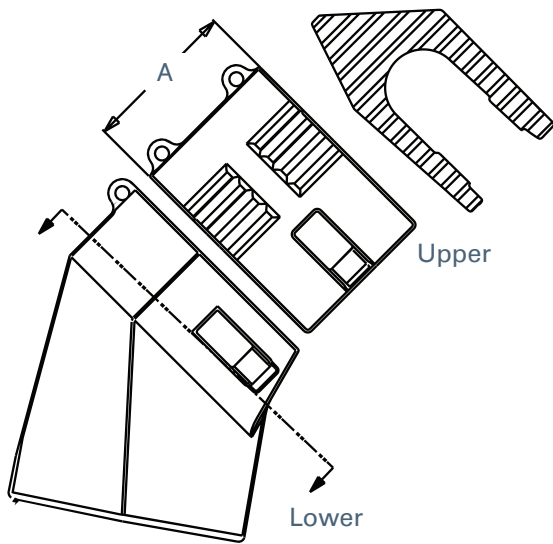
Whisler WH-12 lip shrouds for P&H



Toplok® Wing Shrouds

PMID	Shroud Type	Locks		Length		Weight	
		Boss	Pin	mm	in	kg	lb
TBWS12-1C	Upper Wing	TBB	TBP	349	13.75	167	368
TBWS12-2LB	Lower Wing	TBB	TBP	542	21.34	281	620
TBWS12-2RB	Lower Wing	TBB	TBP	542	21.34	281	620
TBWS12-3L*	Lower Wing	TBB	TBP	762	30.00	203	448
TBWS12-3R*	Lower Wing	TBB	TBP	762	30.00	203	448

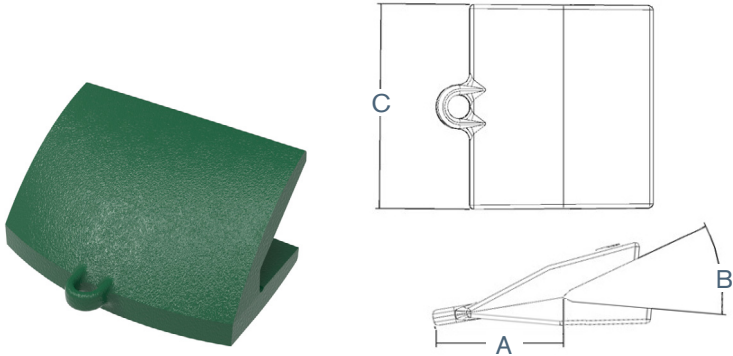
* Special fit only for oil sands Lip



Wing Shrouds

PMID	Shroud Type	Locks		Length		Weight		Comments
		C-Clamp	Wedge	mm	in	kg	lb	
PDE51291	Upper Wing	PDE51310	PDE51311A	353	13.88	195	430	Oversized Spool PDE51311-3A
PDE51292L	Lower Wing	PDE51310	PDE51311A	--	--	392	865	Oversized Spool PDE51311-3A
PDE51292R	Lower Wing	PDE51310	PDE51311A	--	--	392	865	Oversized Spool PDE51311-3A

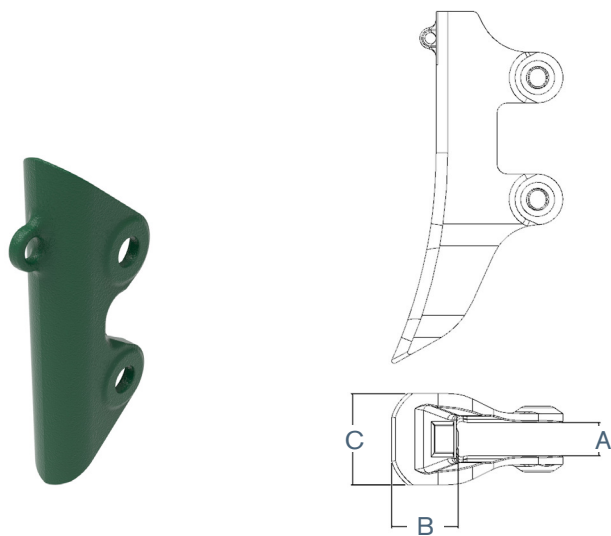
Miscellaneous lip shrouds



Weld-on Plate Lip Shrouds

PMID	PLATE LIP SHROUD TYPE	SPADE	MINIMUM LIP THICKNESS		MAXIMUM LIP THICKNESS		EXTENSION FROM LIP A		RAMP ANGLE B	SHROUD WIDTH C		WEIGHT	
			MM	IN	MM	IN	MM	IN		MM	IN	KG	LBS
LS2.5-15	4	0	50	2.00	65	2.50	105	4.15	30	381	15.00	26	57
WSC70X250-1	4	0	60	2.36	75	3.00	156	6.16	30	250	9.84	22	47
WSC90X320-1	6	0	75	3.00	100	4.00	100	3.94	30	320	12.58	28	62
WSC90X320-1L	6	14	75	3.00	100	4.00	138	5.45	30	320	12.60	27	60
WSC90X320-1R	6	14	75	3.00	100	4.00	138	5.45	30	320	12.60	27	60
WSC80X323-1	4	0	75	3.00	90	3.50	124	4.90	30	323	12.72	30	67
WSC90X360-1	6	0	75	3.00	100	4.00	141	5.57	30	360	14.17	31	68
WSC90X360-1L	6	14	75	3.00	100	4.00	138	5.45	30	360	14.17	31	68
WSC90X360-1R	6	14	75	3.00	100	4.00	138	5.45	30	360	14.17	31	68
LS3.5-15-1	5	0	75	3.00	90	3.50	179	7.06	30	381	15.00	51	112
LS4.0-15	5	0	90	3.50	100	4.00	179	7.06	30	381	15.00	73	161
LS5.5-18	6	0	120	4.75	150	6.00	247	9.73	30	441	17.36	105	232
LS6.0-25	6	0	150	6.00	150	6.00	250	9.83	30	619	24.38	160	353

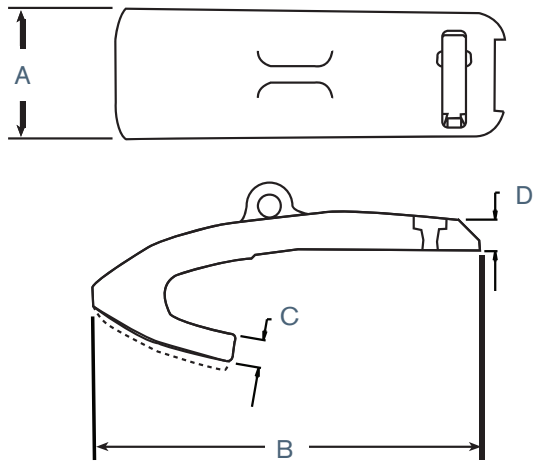
Miscellaneous lip shrouds



Pin-on Wing Shrouds for Cast Lips

PMID	SHROUD TYPE	WING THICKNESS A		EXTENSION FROM LIP B		SHROUD WIDTH C		WEIGHT		BOSS
		MM	IN	MM	IN	MM	IN	KG	LBS	
ES-3777SA	LOWER WING	40	1.50	737	29.00	66	2.60	21	47	E7-3778SA
PSW40X465-1	LOWER WING	40	1.50	465	18.31	98	3.86	21	47	--
ES4410SA	LOWER WING	50	2.00	800	31.50	66	2.61	44	97	--
PSW50X565-1	LOWER WING	50	2.00	565	22.24	108	4.25	31	69	--
PSW60X650-1	LOWER WING	60	2.36	650	25.59	118	4.65	41	90	--
PDE52445	LOWER WING	80	3.15	428	16.87	229	9.00	99	218	--
PDE52420	LOWER WING	100	4.00	559	22.00	254	10.00	215	474	--
PDE43723	LOWER WING	120	4.75	922	36.31	202	7.95	144	317	PDE43722
PDE43723-2	LOWER WING	120	4.75	1081	42.54	202	7.95	174	384	PDE43722
PDE43723-3	LOWER WING	120	4.75	1081	42.54	229	9.00	191	420	PDE43722

Miscellaneous lip shrouds



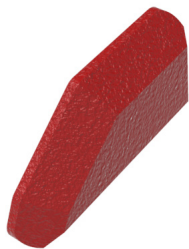
Berkeley Style Lip Shrouds

Lip Size	Shroud Type	PMID	Locks		Width		Length		Lower Leg Thickness		Upper Leg Thickness		Weight		Comments
			Boss	Pin	A	in	B	in	C	in	D	in	kg	lb	
TLC 4.75	Center	TBCS12-4	TBB	HPB-ASSY-1A	254	10.00	677	26.67	26	1.03	69	2.72	104	230	Fits external stabilizer
TLC 6.0	Center	TBCS12-3	TBB	HPB-ASSY-1A	254	10.00	716	28.18	36	1.43	69	2.72	113	250	Fits external stabilizer
TLC 6.0	Center	TBCS-TLC60-1A	TBB	HPB-ASSY-1A	254	10.00	607	23.88	45	1.76	65	2.57	92	202	Fits external stabilizer

Shroud pins and bosses



Toplok boss



Nemisys thrust boss

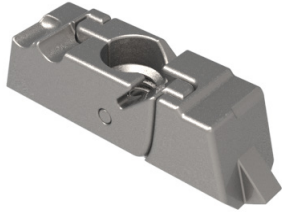


Nemisys lip shroud boss

Shroud Bosses

PMID	DESCRIPTION	WEIGHT	
		KG	LBS
N1TBL	NEMISYS THRUST BOSS	1.4	3.0
N1TBR	NEMISYS THRUST BOSS	1.4	3.0
NSHB-1	NEMISYS LIP SHROUD BOSS	2.0	4.5
NSHB-2	NEMISYS LIP SHROUD BOSS	2.4	5.3
TAB	A SIZE TOPLOK BOSS	0.8	1.7
TBB	B SIZE TOPLOK BOSS	1.9	4.2
TCB	C SIZE TOPLOK BOSS	3.9	8.5
TCB-1	C SIZE TOPLOK BOSS - FLAT	1.9	4.2
TEBA	E SIZE TOPLOK BOSS	0.7	1.6

Shroud pins and bosses



Hinge pin



Toplok pin

Shroud Pins

PMID	DESCRIPTION	WEIGHT	
		KG	LBS
TAP	A SIZE TOPLOK PIN	1.0	2.2
TAP-T	A SIZE TOPLOK PIN TAKE-UP	1.1	2.4
TBP	B SIZE TOPLOK PIN	2.3	5.0
TBP-T	B SIZE TOPLOK PIN TAKE-UP	2.6	5.7
TCP	C SIZE TOPLOK PIN	4.8	10.6
TCP-T	C SIZE TOPLOK PIN TAKE-UP	5.3	11.6
TEP	E SIZE TOPLOK PIN	0.6	1.3
TEP-T	E SIZE TOPLOK PIN TAKE-UP	0.7	1.5
HPA-ASSY-2	A SIZE HINGE PIN	0.9	2.0
HPB-ASSY-1A	B SIZE HINGE PIN	2.3	5.0
HPC-ASSY-2A	C SIZE HINGE PIN	4.2	9.2
4269536	A SIZE TWIN BOLT LOCK	1.0	2.2
HPB-SL	B SIZE CENTER BOLT HINGE PIN	2.6	5.8
HPC-SL**	C SIZE CENTER BOLT HINGE PIN**	4.4	9.6
HPC-SL-2	C SIZE CENTER BOLT NEMISYS HINGE PIN	4.1	9.1
HP10	10 SIZE HINGE PIN	1.0	2.3
HP15	15 SIZE HINGE PIN	2.3	5.0
HP20	20 SIZE HINGE PIN	3.9	8.6
HP15-SL	15 SIZE CENTER BOLT HINGE PIN	2.6	5.8

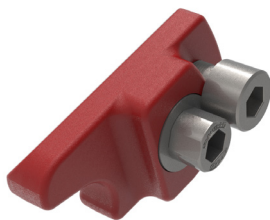
**For earlier ESCO shroud systems.

ESCO® T4 adapter bosses and pin



Adapter Bosses

PMID	Description	Weight	
		kg	lb
TB4-2	Corner Adapter Boss	12	27
T410BB	Bottom Adapter Top	14	31
TB4-35R	89mm/3.50in Lip, 30° Ramp Right	20	45
TB4-35L	89mm/3.50in Lip, 30° Ramp Left	20	45
TB4-35C	89mm/3.50in Lip 30° Ramp	21	46
TB4-40C	100mm/4.00in Lip 30° Ramp	20	45
TB4	100mm/4.00in Lip 22° Ramp	20	45



Adapter Pin

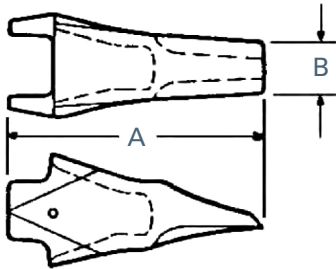
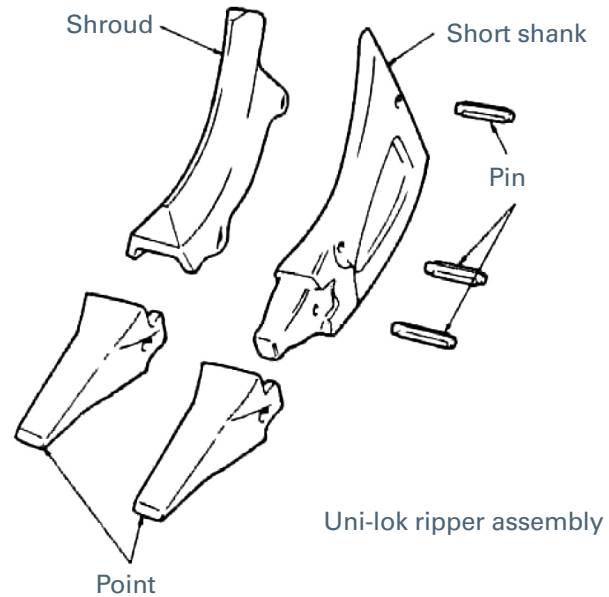
PMID	Description	Weight	
		kg	lb
T4-PNA	Toplok T4 Adapter Pin	7	16

Uni-Lok™ ripper systems

Uni-Lok™ Rip-A-Pak™ Kits

Model	Machine	Quantity	Component
35-6R Rip-A-Pak	Cat D8H/K, D8L	1	35-6RWNS Short Shank
	D8N, D9G/H, D9N;	2	35-6R15 Points
	Komatsu D155	1	35-6RSL Shroud
		3	35RSPA Uni-Lok Pins
39-5R Rip-A-Pak	Cat D8L, D8N;	1	Tempilstik
	D9G/H, D9N;	2	39-5RWNSI Short Shank
	Komatsu D155, D355	1	39-5R18B Points
		3	39-5RSLB Shroud
39-5R Rip-A-Pak II	Cat D9L, D10, D10N	1	39RSPA Uni-Lok Pins
	Komatsu D355, D375	2	Tempilstik
		1	39-5RWNS2 Short Shank
		3	39-5R18B Points
39-5R Rip-A-Pak III	Cat D10, D10N;	1	39-5RSLB Shroud
	Komatsu D375, D455, D475	2	39RSPA Uni-Lok Pins
		3	Tempilstik
		1	39-5RWNS3 Short Shank
49-5R Rip-A-Pak	Cat D10, D10N, D11N;	1	49-5R18B Points
	Komatsu D375, D455, D475	2	49-5RSLB Shroud
		3	49RSPA Uni-Lok Pins
		1	Tempilstik
59-5R Rip-A-Pak	Cat D11N, D11R;	1	59-5RWNS Short Shank
	Komatsu D575	2	59-5R21V Points
		3	59-5RSLB Shroud
		1	59RSPA Uni-Lok Pins
		1	Tempilstik

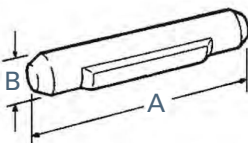
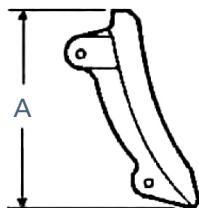
Note: Installation instructions included in each Rip-A-Pak kit.



Uni-Lok™ Points

PMID	A mm / in	B mm / in	Weight kg / lb	Style
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
59-5R22VA	569 / 22.41	72 / 2.83	53 / 117	Rib / Centerline

Uni-Lok™ ripper systems



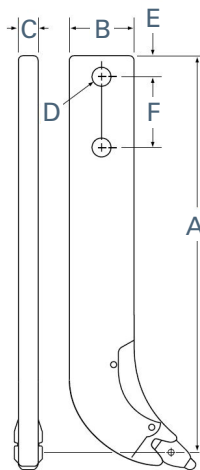
Uni-Lok™ Shrouds

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
59-5RSXL	937 / 36.90	132 / 292	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
59RSPA	191 / 7.50	32 / 1.25

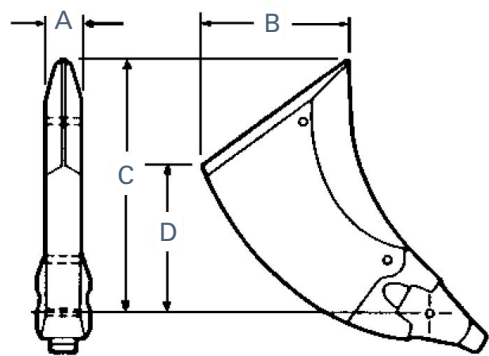


Uni-Lok™ Cast Alloy Shanks

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

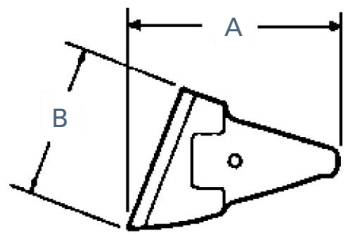
CL = Centerline

Uni-Lok™ ripper systems



Uni-Lok™ Weld-on Short Shanks

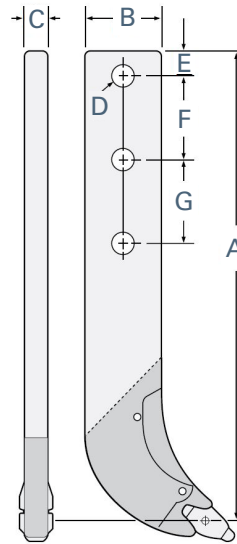
PMID	A mm / in	B mm / in	C mm / in	D mm / in	Machine
35-6RWNS	70 / 2.75	330 / 13.00	508 / 20.00	305 / 12.00	Cat D8H/K, D8L, D8N, D9G/H, D9N; KOM 155
39-5RWNS1	83 / 3.25	356 / 14.00	610 / 24.00	356 / 14.00	Cat D8L, D8N, D9G/H, D9N, KOM 155
39-5RWNS2	114 / 4.50	406 / 16.00	762 / 30.00	470 / 18.50	Cat D9L, 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
59-5RWNS	140 / 5.50	476 / 18.75	864 / 34.00	533 / 21.00	Cat D11N, D11R KOM 575



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
WN59-5R	391 / 15.38	286 / 11.27

Uni-Lok™ ripper systems



Fabricated Ripper Shanks

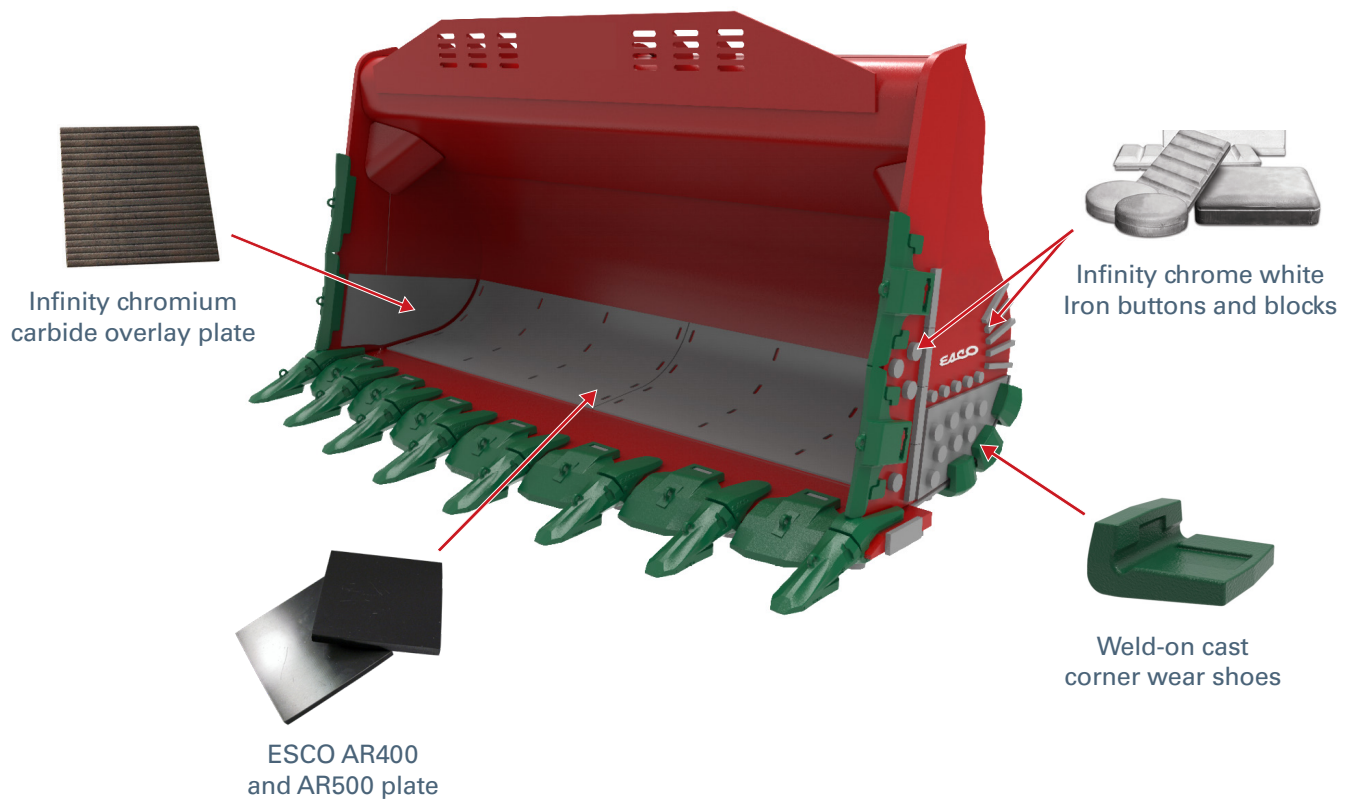
Assembly Part No.	Length A		Width B		Thickness C		No. Holes	Round Hole D		Elliptical Hole D		Top to CL of 1st Hole E		CL 1st Hole to CL 2nd F		CL 2nd Hole to CL Last G		Cast Short Shank Used	Machine
	mm	in	mm	in	mm	in		mm	in	mm	in	mm	in	mm	in	mm	in		
F39-5R375A130	3302	130.00	356	14.00	89	3.50	5	89	3.50	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 wear solutions provide exceptional equipment protection

Mining equipment is subject to extreme abrasion and high-stress gouging that can significantly shorten the service life. It is important to address this with the best available protection – ESCO wear solutions. Up-front action can protect your operation from equipment failure, costly repairs and unplanned downtime.

ESCO offers complete wear protection for all mining-class buckets – from wear components cast in ESCO premium steels to Infinity® bimetallic chrome white iron (CWI) buttons and blocks to abrasion resistant plate.



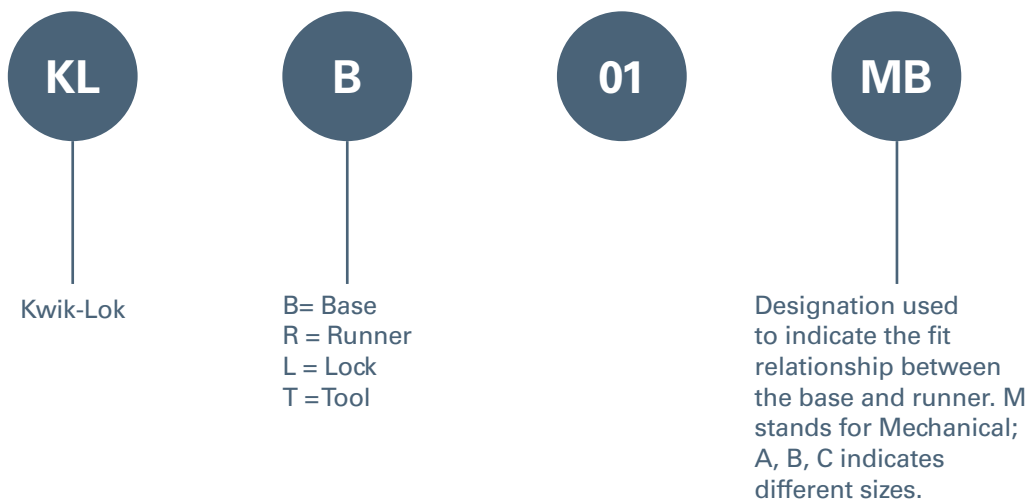
Contact your ESCO representative for a quote or additional information on ESCO bucket liner kits featuring ESCO AR400 and AR500 abrasion resistant plate, or Infinity® chromium carbide overlay plate.

SECURITY FOR YOUR INVESTMENT

Selecting Kwik-lok® wear protection

Identifying and understanding esco numbering system style...

Designation used to differentiate different sizes or shapes of the same system size (**KLB01MB**)



As simple as 1, 2, 3!

1. Select a System Size for the application, just like you would select a nose size! Use the table at the bottom of the page.
2. Select a Base to fit the mounting surface, just like you would select an adapter! use the table at the bottom of the page.
3. Select a Runner that delivers the best combination of wear material and strength, just like you would select a point!

Step 1 - Select a system size

Example Caterpillar 992 skid plate area

Base Size: 90 ton class machine. Use MB.

Base: Flat mounting surface. Use KLB01MB.

Runner: High abrasion, requires thick runner. Head-on impacts, tough application, requires tapered runner. Use KLR22MB.

Machine Type and Operating Weight* and Size	Exterior Surfaces	Interior Surfaces
Wheel Loader Buckets		
Over 150 tons	MA	MC
150 tons or less	MB	MC
60 tons or less	MC	MC
Face Shovel and Hoe Buckets		
Over 250 tons	MA	MC
250 tons or less	MB	MC
60 tons or less	MC	MC
Dragline Buckets		
Over 14 yds ³	MA	--
14 yds ³ or less	MB	--
Shovel Dipper Buckets		
Over 14 yds ³	MA	MC
14 yds ³ or less	MB	MC
Truck Beds	--	MC

* English tons of operating weight.

Selecting Kwik-lok® wear protection

Step 1 - Select a base

For flat or slightly curved (outside) surfaces use any runners.

- **KLB01MA**

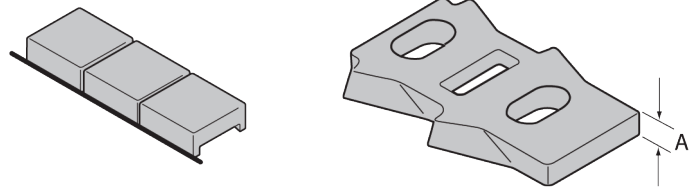
Fits surfaces flat to 120 in (3048 mm) radius

- **KLB01MB**

Fits surfaces flat to 70 in (1778 mm) radius

- **KLB01MC**

Fits surfaces flat to 60 in (1524 mm) radius



Outside curved surfaces. Use general purpose runners only

- **KLB01MA**

Fits surfaces 120-45 in (3048-1143 mm) radius

- **KLB01MB**

Fits surfaces 70-35 in (1778-889 mm) radius

- **KLB01MC**

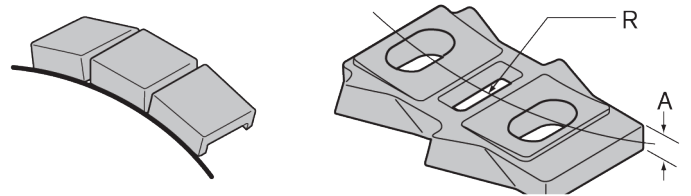
Fits surfaces 60-30 in (1524-762 mm) radius

- **KLB12MB**

Fits surfaces 35-25 in (889-635 mm) radius

- **KLB12MC**

Fits surfaces 30-20 in (762-508 mm) radius



Tip: For ESCO excavator buckets use KLB11MC or KLB11MB.

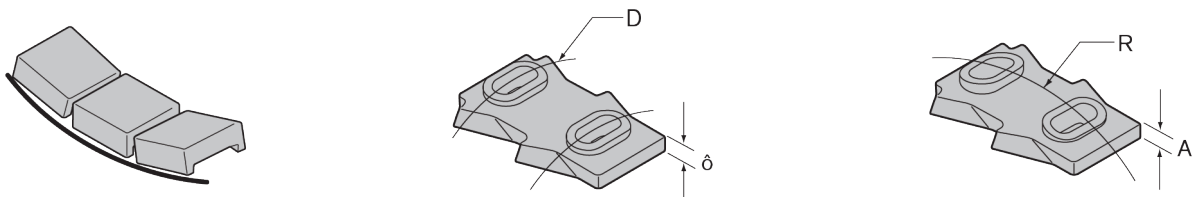
For inside curved surfaces. Use runners as noted

- **KLB12MC**

(curved across length) Fits surfaces near flat to 100 in (2540 mm) radius: use any runner shown
 100-50 in (2540-1270 mm) radius: use general purpose or long runners
 50-30 in (1270-762 mm) radius: use general purpose runners

- **KLB12MC**

(curved across width) Fits surfaces near flat to 60 in (1524 mm) radius: use any runner shown
 60-30 in (1524-762 mm) radius: use general purpose or long runners



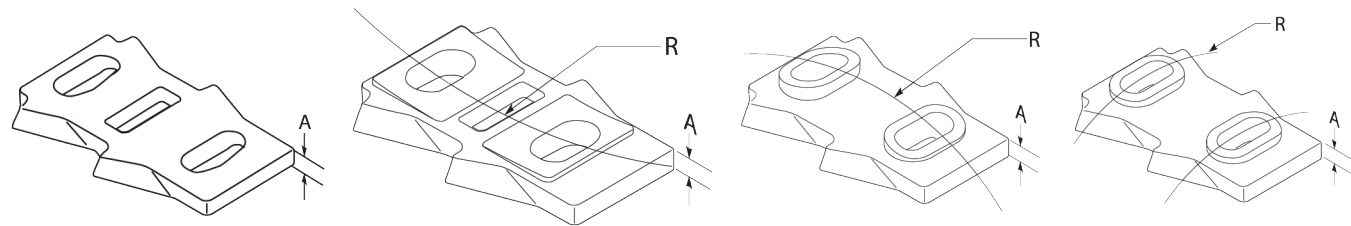
Kwik-lok® II wear runner bases, locks and removal tool

Step 1 - Select a base

For flat or slightly curved (outside) surfaces use any runners.

• **KLB01MA**

Fits surfaces flat to 3048 mm (120 in) radius



Style 01 - for flat surfaces

Style 10 - for large curved surfaces

Style 20 - inside curve (curved across length)

Style 40 - inside curve (curved across width)

Bases

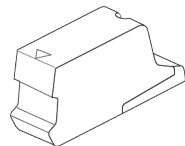
PMID	Size	Style	Base Type	Thickness A		Radius R		Lock PMID	Runner Style	Weight	
				mm	in	mm	in			kg	lb
KLB01MA	MA	01	Flat	38	1.50	--	--	KLL01MA	ALL	13	28
KLB11MA	MA	10	Outside Curve, Large Radius	38	1.50	1524	60	KLL01MA	01	14	30
KLB01MB	MB	01	Flat	25	1.00	--	--	KLL01MB	ALL	6	14
KLB11MB	MB	10	Outside Curve, Large Radius	25	1.00	1270	50	KLL01MB	01	7	15
KLB12MB	MB	10	Outside Curve, Small Radius	25	1.00	762	30	KLL01MB	01	7	15
KLB21MC	MC	20	Inside Curve, Longitudinal	14	0.56	1905	75	KLL01MC	VARIES	3	7
KLB41MC	MC	40	Inside Curve, Lateral	14	0.56	1270	50	KLL01MC	VARIES	3	7
KLB01MC	MC	01	Flat	14	0.56	--	--	KLL01MC	ALL	3	6
KLB11MC	MC	10	Outside Curve, Large Radius	14	0.56	1016	40	KLL01MC	01	3	6
KLB12MC	MC	10	Outside Curve, Small Radius	14	0.56	635	25	KLL01MC	01	3	6

Kwik-Lok II locks

One lock required for each runner and base assembly. Locks are usually reusable when runners are rotated or replaced.

Locks

PMID	Weight	
	kg	lb
KLL01MA	1.2	2.60
KLL01MB	0.5	1.00
KLL01MC	0.2	0.40



Installation and removal tool

Optional tool speeds removal with prying end optimized to penetrate packed fines and engage the lock.

Tool

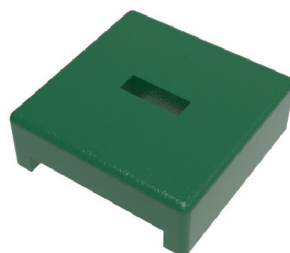
PMID	Weight	
	kg	lb
KLT01	1.9	4.20



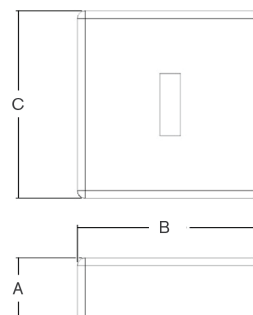
Kwik-lok® II wear runners



General purpose runner



Tapered runner

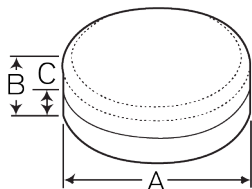


Kwik-Lok Runners

PMID	Size	Style	Description	Thickness A		Length B		Width C		Weight		Lock PMID	Base Size
				mm	in	mm	in	mm	in	kg	lb		
KLR02MA	MA	1	General Purpose	102	4.00	305	12.00	305	12.00	52	114	KLL01MA	MA
KLR01MA	MA	1	General Purpose	76	3.00	305	12.00	305	12.00	35	77	KLL01MA	MA
KLR22MA	MA	20	Tapered	102	4.00	406	16.00	305	12.00	71	157	KLL01MA	MA
KLR21MA	MA	20	Tapered	76	3.00	406	16.00	305	12.00	51	112	KLL01MA	MA
KLR02MB	MB	1	General Purpose	64	2.50	254	10.00	254	10.00	22	48	KLL01MB	MB
KLR01MB	MB	1	General Purpose	44	1.75	254	10.00	254	10.00	13	28	KLL01MB	MB
KLR22MB	MB	20	Tapered	64	2.50	356	14.00	254	10.00	30	67	KLL01MB	MB
KLR02MC	MC	1	General Purpose	38	1.50	203	8.00	203	8.00	8	19	KLL01MC	MC
KLR22MC	MC	20	Tapered	38	1.50	356	14.00	216	8.50	16	35	KLL01MC	MC

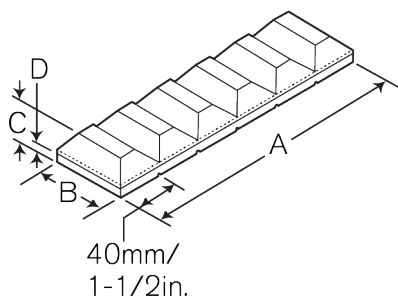
Infinity® chrome white iron (CWI) wear buttons, bars, blocks and runners

Infinity wear buttons, blocks, bars and runners are chrome white iron (CWI) castings attached to a mild steel backing plate. The CWI has a minimum hardness of 700 Brinell. The mild steel backing allows easy attachment with minimal welding. A variety of shapes and sizes are ideal for protection of high wear areas on buckets, conveyor chutes, grizzly screens, crusher liners, or other equipment exposed to abrasive wear.



Wear Buttons

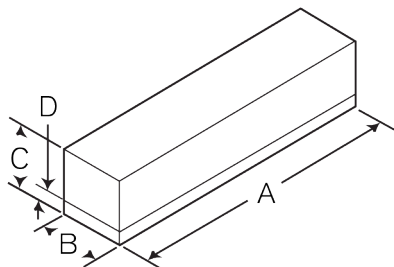
PMID	Diameter A		Thickness B		Base Thickness C		Weight	
	mm	in	mm	in	mm	in	kg	lb
IB50	50	2.00	25	1.00	10	0.38	0.4	0.9
IB75	75	3.00	25	1.00	10	0.38	0.9	2.0
IB90	90	3.50	30	1.19	10	0.38	1.5	3.2
IB115	115	4.50	32	1.25	10	0.38	2.5	5.6
IB150	150	6.00	35	1.38	10	0.38	5.0	10.0



Wear Bars

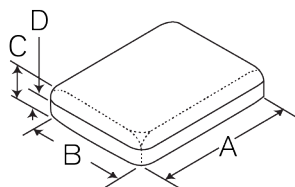
PMID	Length A		Width B		Thickness C		Base Thickness D		Weight	
	mm	in	mm	in	mm	in	mm	in	kg	lb
IBR25	240	9.44	25	1.00	23	0.91	8	0.31	0.4	0.9
IBR38	240	9.44	38	1.50	23	0.91	8	0.31	0.9	2.0
IBR50	240	9.44	50	1.97	23	0.91	8	0.31	1.5	3.2
IBR65	240	9.44	65	2.56	23	0.91	8	0.31	2.5	5.6
IBR90	240	9.44	90	3.54	23	0.91	8	0.31	5.0	10.0
IBR100	240	9.44	100	3.94	23	0.91	8	0.31	4.2	9.2
IBR130	240	9.44	130	5.12	23	0.91	8	0.31	4.9	10.8

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Wear Blocks

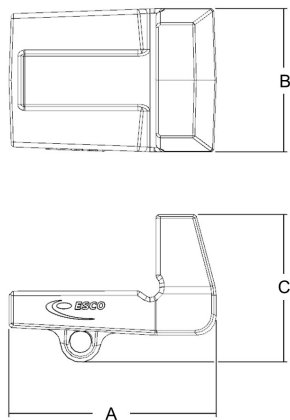
PMID	Length A		Width B		Thickness C		Base Thickness D		Weight	
	mm	in	mm	in	mm	in	mm	in	kg	lb
IBL200	200	8.00	25	1.00	25	1.00	10	0.38	1.0	2.3
IBL300	300	11.75	25	1.00	25	1.00	10	0.38	1.5	3.4
IBL430	430	17.00	50	2.00	50	2.00	10	0.38	8.7	19.2
IBL150-50	150	6.00	50	2.00	50	2.00	10	0.38	3.1	6.8
IBL150-75	150	6.00	75	3.00	75	3.00	10	0.38	4.6	10.2



Wear Runners

PMID	Length A		Width B		Thickness C		Base D		Weight	
	mm	in	mm	in	mm	in	mm	in	kg	lb
IR150	250	10.00	150	6.00	45	1.75	10	0.38	13	29
IR250	250	10.00	250	10.00	48	1.88	13	0.50	23	50

ESCO cast corner wear shoes



Cast Corner Wear Shoes

PMID	Length A		Width B		Height C		Bottom Thickness D		Weight	
	mm	in	mm	in	mm	in	mm	in	kg	lb
CWS38X190-1A	200	7.86	190	7.48	100	3.94	38	1.49	13	29
CWS50X190-1A	275	10.83	190	7.48	196	7.72	50	1.97	28	62
CWS60X250-1A	320	12.60	250	9.84	251	9.88	60	2.36	49	108
CWS100X250-1A	350	13.78	250	9.84	306	12.04	100	3.94	87	192



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