Cat® Ground Engaging Tools

PARTS CATALOG: HMS, ERS, DL, & UGM


















CAT
CAT

Table of Contents



CL-1 5-12
Cast Lip Reference
Tip & Retention
Box Tip HMS
Coupler & Retention
Lip Shrouds
Wing Shrouds

X-3 13-24
Cat® Reload Cast Lip System
C110 Class Tips
C110 Class Coupler & Retention
C110 Class Lip Shrouds
C130 Class Tips
C130 Class Coupler & Retention
C130 Class Lip Shrouds
Wing Shrouds
C145 Components

X-2 25-34
Tips (C70-C95)
Adapter & Retention (C70-C95 Class)
Lip Shrouds
Wing Shrouds
Base Edge End Protection and Heal Shrouds

X-4 35-40
Whisler Lips
WH12 & WH10 Tips
WH12 & WH10 Adapters
WH12 & WH10 Lip Shrouds
Whisler Class Wing Shrouds

UNDERGROUND LOAD HAUL DUMP LOADERS 41-60
System Options

WEAR PROTECTION 61-64
Laminated Wear Products

G.E.T. SYSTEM SALES KITS 65-66

MASTER TECH GUIDE 67

CAT G.E.T. SYSTEM REFERENCE

CL-1

A Cast Lip G.E.T. System for HMS 6040 FS to 6090 FS



W850	W900	W950	W1050 W1150
6040FS	6050 6060	6050FS 6060FS	6090



X-3

Aftermarket G.E.T. for Cast Lip System for HMS 6040 FS to 6060 FS



C110	C130	C145
6040 FS 6050	6050 FS 6060 6060 FS	6090



Cat G.E.T. for Cast Lip System for DL 8200 to 8750



C110	C130	C145
8000	8200/8750	8750

X-2

A Fabricated Lip System for HMS 6015B to 6040



C70	C85	C95
100 mm 6015B 6018	100 mm 6020B 120 mm 6030 6018 FS	140 mm 6030 FS 6040



X-4

G.E.T. for ERS Cast Lip Systems 7295 to 7495





WH10	WH12
	7295/7395 7495

Underground Load Haul Dump Loaders

G.E.T. for R1300 to R3000



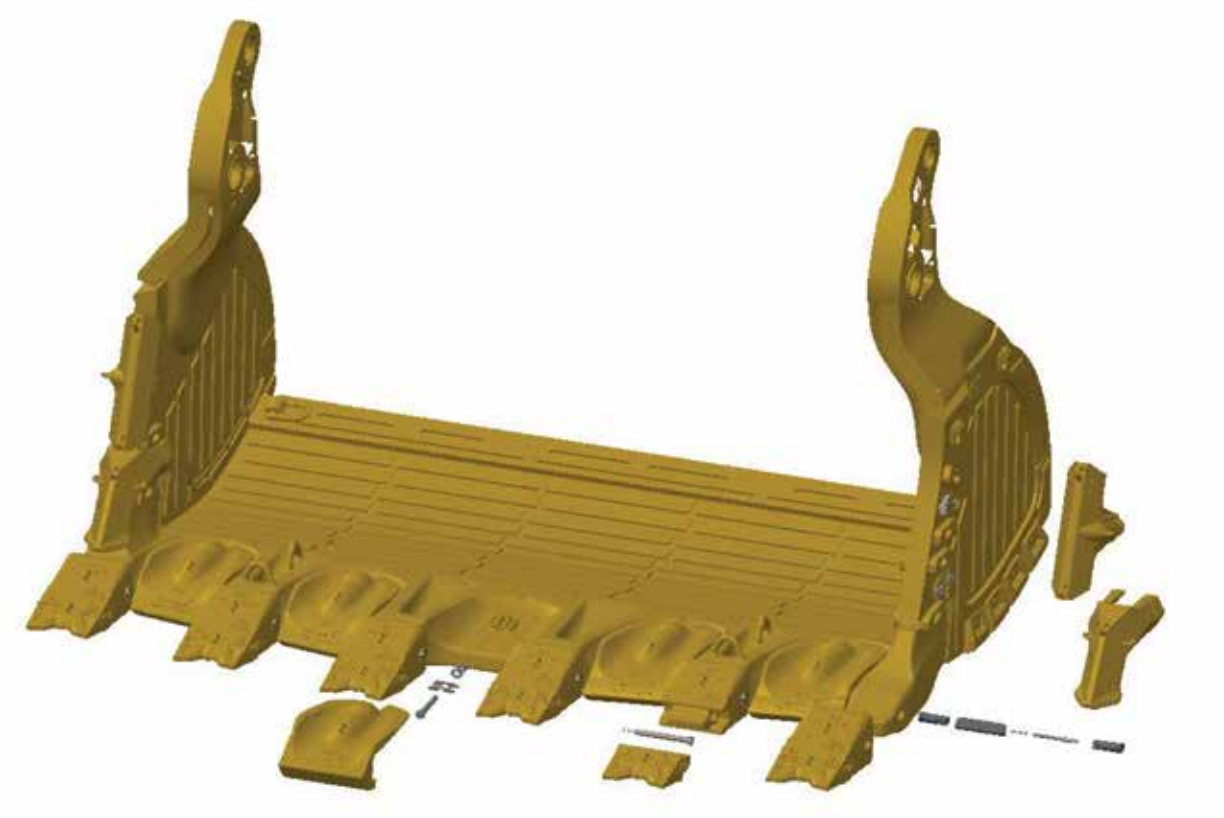
Bolt-on	6Y	Weld On	Tip and Adapter	MAS



*For each G.E.T system above it has a supporting plate or cast lip.

CL-1

CAST LIP AND COMPLETE G.E.T. SYSTEM
400 TO 1 TON SHOVELS



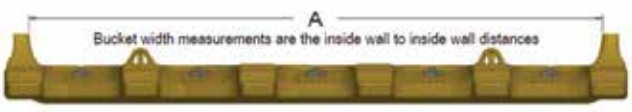
Competitive Reference									
Nominal BOF (kN)	G.E.T. Class Cat		Caterpillar	Bucyrus	Liebherr	Komatsu	Hitachi	ESCO (Std)	ESCO (XHD)
1120	C95	CL-1	6040	RH170	R994, R9400	PC400	EX3600/EX3600 FS	85SV2	S110
1200		850	6040 FS	RH170 FS	R9400 FS	PC400 FS		S95	S110
1210	C110	900	6050	RH200	R995			S110	S130
1530	C130	950	6050 FS	RH200 FS				S130	S130
1240	C110	900/950	6060	RH340		PC5500	EX5600	S130	S130
1740	C130	950	6060 FS	RH340 FS	R996B		EX5600 FS	S130	S130
>1800	C130	950/1050			R996B FS	PC5500 FS		S130	S130
>1900	C145	1050/1150			R9800	PC7000, PC8000	EX8000	S145	S145
2400	C145	1050/1150	6090 FS	RH400 FS	R9800 FS	PC8000 FS	EX8000 FS	S145	S145

Machine model availability and attachment vary by region. Please contact your local dealer for availability.

CL-1

CAST LIP REFERENCE

CL-1 Cast Lip assemblies include the shroud retention boss and are sold through the parts system.



Cast Lip						
Lip Assby Part #	CL-1 Nose Size	Lip (A)	Model	Bucket Capacity	Compensator Plate Package	Weight (kg)
444-1788	850	4300 mm	6040 FS	20/22 m^3	562-1613	6432
485-1637	900	4300 mm	6050/6060	28/31/34 m^3	563-9677	6680
444-1781	950	4300 mm	6050 FS	18/21/23/26/28 m^3	525-7972	7419
			6060 FS	21/23/28 m^3		
			6060	25 m^3		
444-1783	950	5100 mm	6060 FS	31/34 m^3	561-0770	9134
444-1787	1150	5100 mm	6090 FS	37/42 m^3	563-9691	11586
444-1784	1050	5600 mm	6090 FS	47/52 m^3	563-9711	12728
444-1785	1050	5100 mm	6090 FS	45 m^3	563-5740	11116

Replacement Nose		
Nose Part #	Type	
466-7416	Replacement Nose Base (850)	
492-7332	Replacement Nose Base (900)	
466-7417	Replacement Nose Base (950)	
466-7420	Replacement Nose Base (1050)	
466-7419	Replacement Nose Base (1150)	

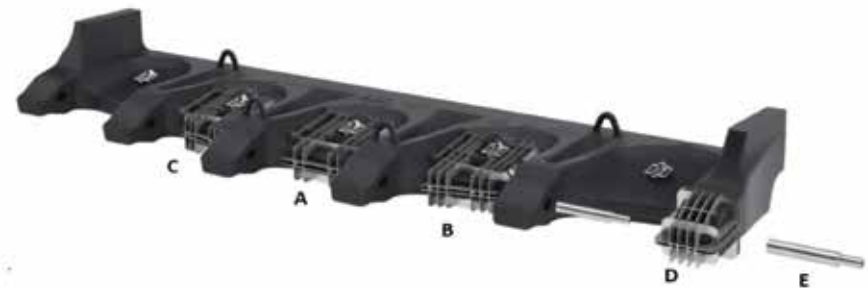
Top Compensator Plate Package

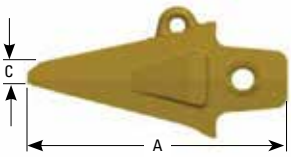
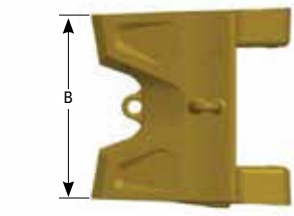


Bottom Compensator Plate Package



Gauges							
Lip Assembly Part #	"A" Ctr Postion Gauge	"B" RH Postion Gauge	"C" LH Postion Gauge	"D" Nose Body Gauge	"E" Nose Hole Gauge	LH Lower Wing Gauge	RH Lower Wing Gauge
444-1788	454-0093	454-0095	454-0094	454-0066	454-0067	–	–
444-1781	454-0074	454-0076	454-0075	454-0068	454-0069	–	–
444-1783	454-0077	454-0079	454-0078	454-0068	454-0069	–	–
444-1784	454-0080	454-0082	454-0081	454-0072	454-0073	476-8866	476-8867
444-1787	454-0089	454-0092	454-0090	454-0070	454-0069	476-8868	476-8869
444-1785	454-0083	454-0085	454-0084	454-0072	454-0073	476-8866	476-8867
485-1637	488-9998	488-9997	488-9996	492-7330	492-7331	488-9999	489-0001



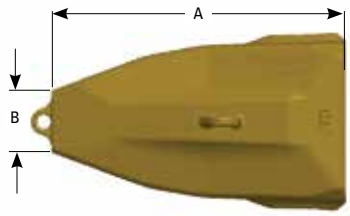
Tips							
Type	Tip Class	Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
 Abrasion (Std)	145	444-1722	368	380	72	71	 
	170	444-1726	395	400	68	85	
 Penetration (Std)	145	444-1719	390	341	24	65	
 Panel	145	444-1720	380	343	24	64	
 Centerline Tip	145	499-3101	421	285	18	98	
	170	499-3102	469	347	20	138	
 EWL Tip	145	510-6289	425	360	30	114	
	170	510-6291	512	400	35	150	
 General Purpose	170	444-1723	385	402	20	89	
 HD Penetration Tip (OSP)	170	495-7572	500	383	44	125	

Hardware		
Type	Tip Class	Tip Retainer
	145	444-1754
	170	444-1753

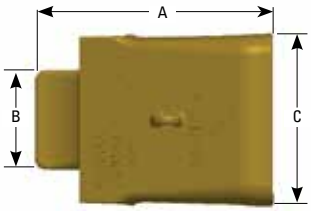
Machine model availability and attachment vary by region. Please contact your local dealer for availability.

CL-1

BOX TIP HMS

Tips								
Type		Tip Class	Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Box Tip (850)	850	499-3103	619	130	24	170	
	Box Tip (900)	900	499-3110	620	142	24	164	
	Box Tip (950)	950	499-3104	705	288	30	315	
	Box Tip (1050)	1050	466-7426	816	380	74	308	
	Box Tip (1150)	1150	466-7427	876	370	79	382	

Hardware		
Type	Tip Class	Tip Retainer
	850	444-1729
	900	
	950	444-1731
	1050	444-1730
	1150	444-1731

Couplers							
Type	Nose Base Size to Tip Class	Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	850 to 145 Coupler	444-1714	481	213	372	173	
	900 to 145 Coupler	492-1978	481	213	365	166	
	950 to 145 Coupler	444-1715	513	213	371	188	
	950 to 170 Coupler	463-1930	524	250	371	223	
	1050 to 170 Coupler	444-1717	560	250	391	257	
	1150 to 170 Coupler	444-1716	579	250	407	316	
	850 to 145 EWL Coupler	520-6352	480	382	212	215	
	900 to 145 EWL Coupler	510-6292	480	386	212	208	
	950 to 145 EWL Coupler	510-6293	513	386	212	238	
	950 to 170 EWL Coupler	510-6297	522	250	432	270	
	1050 to 170 EWL Coupler	510-6298	560	391	250	307	
	1150 to 170 EWL Coupler	510-6299	579	390	250	356	

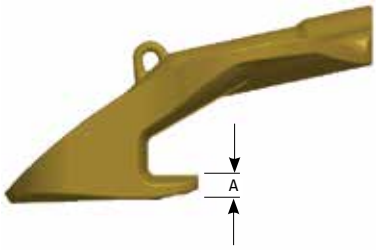
Hardware		
Type	Tip Class	Retainer Kit
	850 to 145 Coupler	444-1729
	900 to 145 Coupler	
	950 to 145 Coupler	444-1731
	950 to 170 Coupler	
	1050 to 170 Coupler	444-1730
	1150 to 170 Coupler	444-1731
Type	Tip Class	Retainer Service Kit
	850 to 145 EWL Coupler	467-4637
	900 to 145 EWL Coupler	
	950 to 145 EWL Coupler	467-4638
	950 to 170 EWL Coupler	
	1050 to 170 EWL Coupler	467-4640
	1150 to 170 EWL Coupler	467-4638

Coupler Retainer Service Kit

Machine model availability and attachment vary by region. Please contact your local dealer for availability.

CL-1

LIP SHROUDS FOR HMS

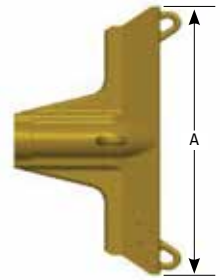
Shrouds						
Type		Series	Part #	A (mm)	Weight (kg)	Notes
 	Shroud – Lip (RH)	850 x 4300	444-1691	49	257	
	Shroud – Lip (LH)		444-1692	49	257	
	Shroud – Lip (Center)		444-1693	49	261	
	Shroud – Lip (RH)	900 x 4300	485-1639	67	219	
	Shroud – Lip (LH)		485-1638	67	219	
	Shroud – Lip (Center)		485-1640	67	219	
	Shroud – Lip (RH)	950 x 4300	444-1696	55	263	
	Shroud – Lip (LH)		444-1695	55	263	
	Shroud – Lip (Center)		444-1694	55	269	
	Shroud – Lip (RH)	950 x 5100	444-1699	55	349	
	Shroud – Lip (LH)		444-1698	55	349	
	Shroud – Lip (Center)		444-1697	55	357	
	Shroud – Lip (RH)	1050 x 5100	444-1705	56	333	
	Shroud – Lip (LH)		444-1704	56	333	
	Shroud – Lip (Center)		444-1703	56	329	
	Shroud – Lip (RH)	1050 x 5600	444-1702	56	378	
	Shroud – Lip (LH)		444-1701	56	378	
	Shroud – Lip (Center)		444-1700	56	375	
	Shroud – Lip (RH)	1150 x 5100	444-1685	106	376	
	Shroud – Lip (LH)		444-1686	106	376	
	Shroud – Lip (Center)		444-1759	106	378	
 	EWL Shroud – Lip (RH)	850 x 4300	513-7271	93	307	 EWL Shroud
	EWL Shroud – Lip (LH)		513-7270	93	307	
	EWL Shroud – Lip (Center)		513-7272	93	312	
	EWL Shroud – Lip (RH)	950 x 4300	499-3108	107	337	
	EWL Shroud – Lip (LH)		499-3107	107	337	
	EWL Shroud – Lip (Center)		499-3109	107	344	
	EWL Shroud – Lip (RH)	950 x 5100	513-7268	100	439	
	EWL Shroud – Lip (LH)		513-7267	100	439	
	EWL Shroud – Lip (Center)		513-7269	100	449	
	EWL Shroud – Lip (RH)	1050 x 5600	497-0901	90	329	
	EWL Shroud – Lip (LH)		497-0902	90	329	
	EWL Shroud – Lip (Center)		497-0903	90	329	

LIP SHROUDS FOR HMS

Hardware						
Type		Series	Welded Base	Retainer Part #	End Caps	End Cap Retainer
 Shroud Welded Base	Shroud – Lip (RH)	850 x 4300	444-1736	444-1752	N/A	N/A
	Shroud – Lip (LH)		444-1736	444-1752	N/A	N/A
	Shroud – Lip (Center)		444-1736	444-1752	N/A	N/A
	Shroud – Lip (RH)	900 x 4300	444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (LH)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (Center)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (RH)	950 x 4300	444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (LH)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (Center)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (RH)	950 x 5100	444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (LH)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (Center)		444-1739	444-1747	444-1728	444-1751
	Shroud – Lip (RH)	1050 x 5100	444-1734	444-1750	N/A	N/A
	Shroud – Lip (LH)		444-1734	444-1750	N/A	N/A
	Shroud – Lip (Center)		444-1734	444-1750	N/A	N/A
	Shroud – Lip (RH)	1050 x 5600	444-1734	444-1750	N/A	N/A
	Shroud – Lip (LH)		444-1734	444-1750	N/A	N/A
	Shroud – Lip (Center)		444-1734	444-1750	N/A	N/A
 Shroud Retainer Kit	Shroud – Lip (RH)	1150 x 5100	444-1733	444-1748	N/A	N/A
	Shroud – Lip (LH)		444-1733	444-1748	N/A	N/A
	Shroud – Lip (Center)		444-1733	444-1748	N/A	N/A
	EWL Shroud – Lip (RH)	850 x 4300	513-7271	444-1752	N/A	N/A
	EWL Shroud – Lip (LH)		513-7270	444-1752	N/A	N/A
	EWL Shroud – Lip (Center)		513-7272	444-1752	N/A	N/A
	EWL Shroud – Lip (RH)	950 x 4300	499-3108	444-1747	444-1728	444-1751
	EWL Shroud – Lip (LH)		499-3107	444-1747	444-1728	444-1751
	EWL Shroud – Lip (Center)		499-3109	444-1747	444-1728	444-1751
	EWL Shroud – Lip (RH)	950 x 5100	513-7268	444-1747	444-1728	444-1751
	EWL Shroud – Lip (LH)		513-7267	444-1747	444-1728	444-1751
	EWL Shroud – Lip (Center)		513-7269	444-1747	444-1728	444-1751
	EWL Shroud – Lip (RH)	1050 x 5600	497-0901	444-1750	N/A	N/A
	EWL Shroud – Lip (LH)		497-0902	444-1750	N/A	N/A
	EWL Shroud – Lip (Center)		497-0903	444-1750	N/A	N/A

CL-1

WING SHROUDS FOR HMS

Shrouds							
Type		Part #	Retention Reference	A (mm)	B (mm) Wing Plate	Weight (kg)	
	Shroud-Wing (Lower)	444-1711	A	515	120	156	
	Shroud-Wing (Upper)	444-1712		660	120	114	
	Shroud-Wing (Upper)	444-1710	B	820	120	138	Lower Wing Shroud
	Shroud-Wing (Upper)	444-1713		820	140	147	
	Shroud-Wing (Lower X RH)	444-1708	C	655	140	172	
	Shroud-Wing (Lower X LH)	444-1709		655	140	172	
	Shroud-Wing (Lower LH)	489-6379	D	290	126	109	Upper Wing Shroud
	Shroud-Wing (Lower RH)	489-6380		290	126	109	

Hardware			
Type	Retention Reference	Welded Base	Retainer Kit
 Shroud Welded Base  Shroud Retainer Kit	A	444-1732	444-1747
	B	444-1735	444-1749
	C	444-1733	444-1748
	D	444-1739	444-1747

X-3

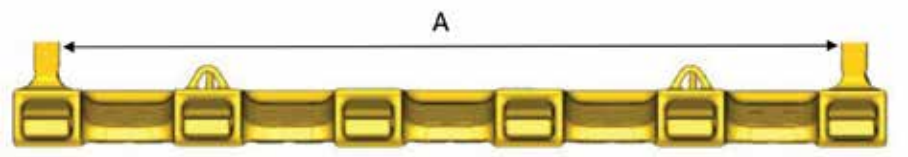
RETROFIT G.E.T. SYSTEM
400 TO 500 TON SHOVELS
8000 TO 8750 DRAGLINES



Competitive Reference									
Nominal BOF (kN)	G.E.T. Class Cat		Caterpillar	Bucyrus	Liebherr	Komatsu	Hitachi	ESCO (Std)	ESCO (XHD)
1120	C95	CL-1	6040	RH170	R994, R9400	PC400	EX3600/EX3600 FS	85SV2	S110
1200		850	6040 FS	RH170 FS	R9400 FS	PC400 FS		S95	S110
1210	C110	900	6050	RH200	R995			S110	S130
1530	C130	950	6050 FS	RH200 FS				S130	S130
1240	C110	900/950	6060	RH340		PC5500	EX5600	S130	S130
1740	C130	950	6060 FS	RH340 FS	R996B		EX5600 FS	S130	S130
>1800	C130	950/1050			R996B FS	PC5500 FS		S130	S130
>1900	C145	1050/1150			R9800	PC7000, PC8000	EX8000	S145	S145
2400	C145	1050/1150	6090 FS	RH400 FS	R9800 FS	PC8000 FS	EX8000 FS	S145	S145

Machine model availability and attachment vary by region. Please contact your local dealer for availability.

X-3
CAT RELOAD CAST LIP SYSTEM



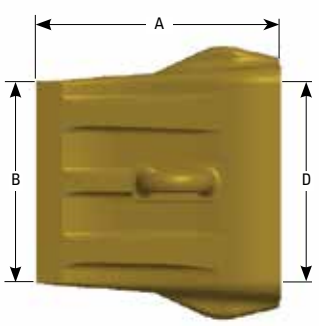
Cast Lips						
Lip Assby Part #	Nose Size	Lip (A)	Model	Bucket Capacity	Shroud Width (mm)	Weight (kg)
528-9555	C130	4300 mm	6050 FS	18 m^3	431	7748
549-4981	C130	5100 mm	6060 FS	28 m^3	590	9716





C130 Nose Base (not compatible with ESCO Sidewinder™ coupler)

C110 CLASS TIPS

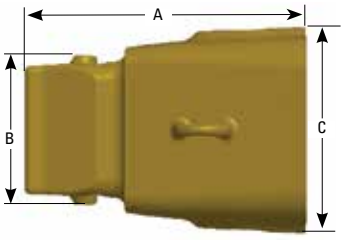
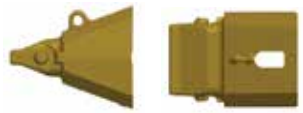
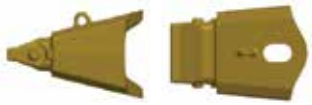
Tips								
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Notes
	Centerline	483-7139	323	265	20	310	55	
	Twin Spike	490-3771	349	285	16	308	48	
	Below Centerline Twin Spike	497-8428	356	277	18	327	54	
	Below Centerline	476-3215	348	285	22	308	61	

Speciality Parts							
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
	Below Centerline ARM	481-2449	348	285	22	308	63

Hardware		
Type		Part #
	Square Drive Plug	468-8046

X-3

C110 CLASS COUPLER & RETENTION

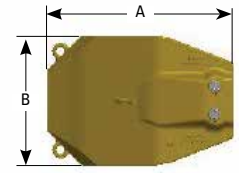
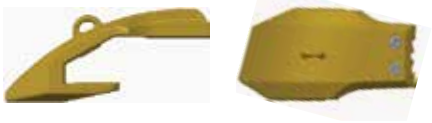
Couplers								
Type		Part #	A (mm)	B (mm)	C (mm)	Retention Reference	Wt (kg)	Notes
	C110 Coupler	481-1281	481	280	330	A	133	
	C110 Wedge & Spool Coupler	479-0087[1]	396	218	292	C	103	
	C110 Coupler Wedge & Spool	479-0092[2]	505	300	350	D	129	[1]479-0087 fits 210 mm Page Nose Base [2]479-0092 fits 110H92TK [3]479-0155 fits 505 Nose
	C110 Coupler Wedge & Spool	479-0155[3]	487	263	295	B	267	

Speciality Parts									
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Retention Reference	Weight (kg)	Notes
	C110 Coupler Arm	481-1283	481	280	330	–	A	133	Uses 481-1281 coupler and 484-3626 retro fit pin
	Box	465-3763	598	300	63	364		222	
	505 Box Tip	479-0144	592	305	356	–	B	203	Uses 479-0146 spool and 479-0145 wedge

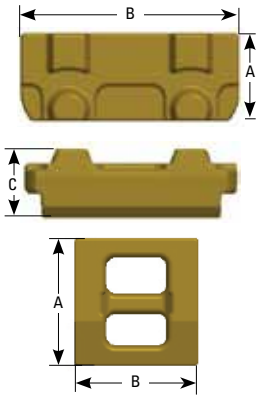
Hardware				
Type		Retention Reference	Part #	Weight (kg)
	Retro Fit Pin	A	484-3626	–
	Spool	B	479-0146 (505)	–
		C	479-0089	–
		D	479-0123	–
	Wedge	B	479-0145 (505)	–
		C	479-0088	–
		D	479-0122	–

C110 CLASS LIP SHROUDS

Lips

Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Lip Shroud Center	527-2939	760	420	160	216	
		527-2945	760	450	160	230	
	Lip Shroud LH	527-2941	778	420	160	220	
		527-2947	778	450	160	235	
		527-2951	778	520	160	270	
		527-2955	778	570	160	295	
	Lip Shroud RH	527-2943	778	420	160	220	
		527-2949	778	450	160	235	
		527-2953	778	520	160	270	
		527-2957	778	570	160	295	

Hardware

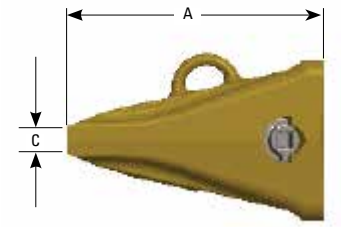
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Insert	527-2938	135	234	105	9	
	Welded Base	527-2937	154	130	–	4	

Gauges

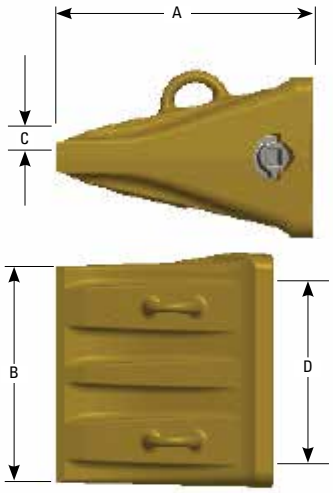
Type		Part #	Weight (kg)	Notes
	Lip Gauge	504-3453	34	

X-3

C130 CLASS TIPS

Tips								
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Notes
	Centerline	434-2050	381	374	41	386	99	 
	Centerline Abrasion	444-5069	437	341	30	396	97	
	Centerline HD	553-6016	437	350	40	396	132	
	Twin Spike	359-7734	438	341	20	396	85	
	Below Centerline Twin Spike	434-2077	441	340	21	380	96	

C130 CLASS TIPS

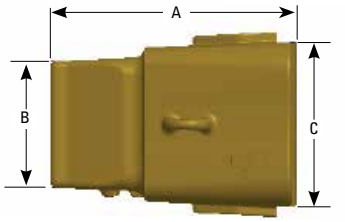
Tips								
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Notes
	Below Centerline	359-7730	325	329	27	380	62	
	Below Centerline Wide	434-2072	330	365	25	386	72	
	Below Centerline Penetration	505-9938	391	327	34	380	84	

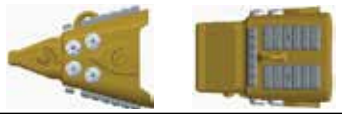
Speciality Parts							
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)
	Centerline ARM	434-2066	437	341	30	396	99
	Twin Spike ARM	434-2068	438	341	25	396	86
	Below Centerline Twin Spike PTA	434-2079	441	340	25	380	98
	Below Centerline Penetration ARM	514-7607	330	365	25	386	72

Hardware		
Type		Part #
	Square Drive Plug	468-8046

X-3

C130 CLASS COUPLER & RETENTION

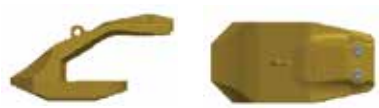
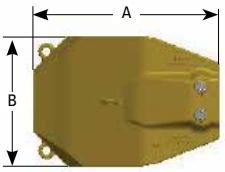
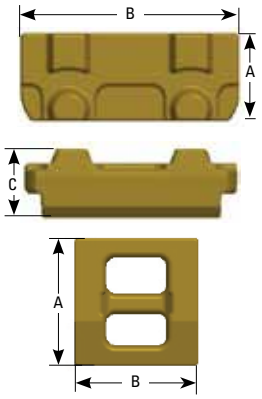
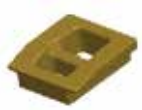
Couplers							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	C130 Coupler	504-3443	560	342	371	210	
	C130 Wedge & Spool	286-1990	600	342	392	198	

Speciality Parts						
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)
	C130 Coupler ARM	458-3969	560	342	371	212
	C130 Coupler LWO	548-2822	562	342	371	204
	Box Tip	434-2074	719	343	405	315
	C130 Repair Nose	430-2681	–	–	–	158

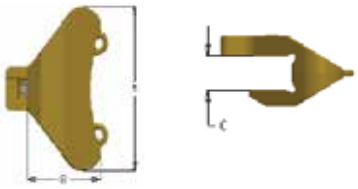
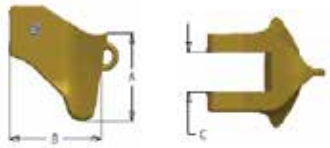
Hardware			
Type		Part #	Weight (kg)
	Retro Fit Pin	313-9498	9
	Spool	305-4340	6
	70 mm Wedge	305-4338	9
	80 mm Wedge	346-8590	10

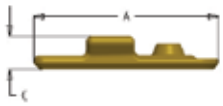
Gauges			
Type		Part #	Weight (kg)
	Spool & Wedge Nose Gauge	338-7325	–
	Hammerless Nose Gauge	453-1641	–

C130 CLASS LIP SHROUDS

Lips								
Type		Part #	Reference	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Lip Shroud	438-4562	(-28)	862	431	236	401	
	Lip Shroud	438-4566	(-25)	862	590	236	419	
Hardware								
Type		Part #	Reference	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Insert	517-3992	Retainer	90	227	73	9	
	Weld Base	465-3797	Pedestal	160	116	–	5	
Gauges								
Type		Part #	Reference	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Lip Gauge	517-3987	–	–	–	–	–	

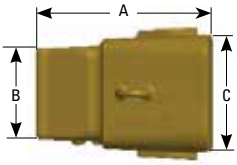
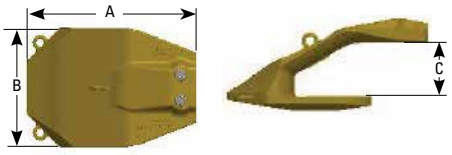
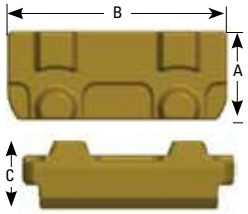
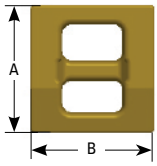
X-3
WING SHROUDS

Wing Shrouds							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Upper C110/C130 Wing Shroud	479-0131	752	340	124	181	 Upper Wing Shroud
	Lower C130 Wing Shroud	392-7140[1]	348	400	140	122	
	Lower C110 Wing Shroud	479-0117	275	350	115	89	 Lower Wing Shroud

Hardware							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Upper Welded Base	393-4759	213	136	38	3	
	Lower Welded Base	443-7203[2]	146	92	38	2	
	Shear Block Upper	432-6607	–	–	–	6	
	Shear Block Lower	443-7204	–	–	–	6	

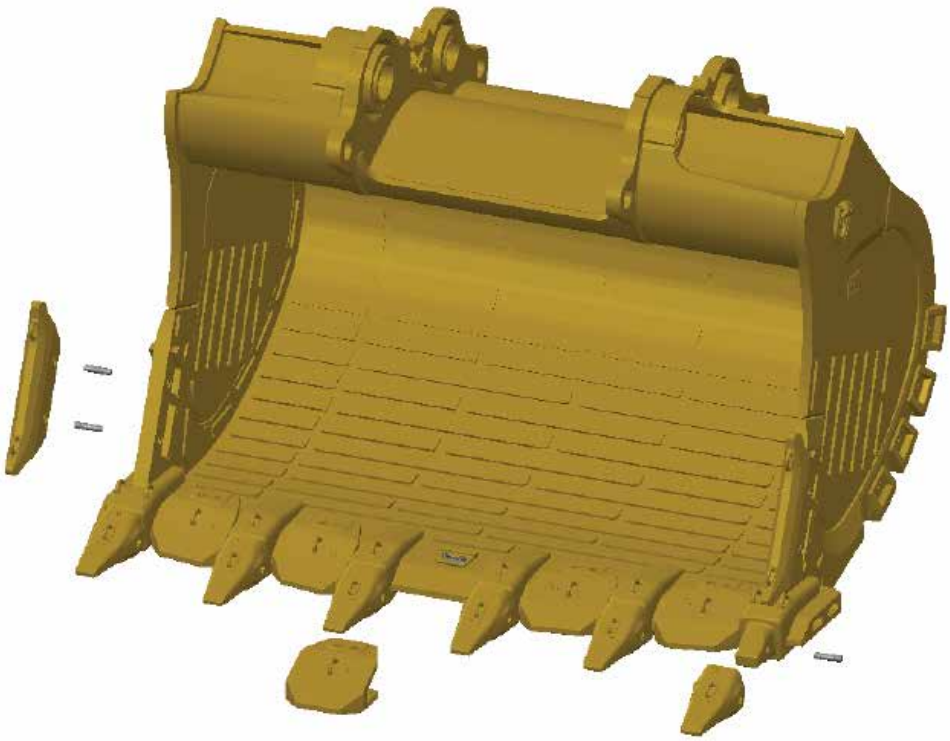
Gauges							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Lower C130 Wing Shroud Gauge	443-7213	213	136	38	3	 Location gauges on bucket with upper & lower bases
	Lower C110 Wing Shroud Gauge	517-3996	146	92	38	2	
	Upper C110/C130 Wing Shroud Gauge	443-7214	–	–	–	6	

[1] 443-7207 – 3 mm spacer for 392-7140 [2] 443-7205 – 3 mm shim used with 443-7203, 443-7206 – 6 mm shim used with 443-7203

Components							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Coupler	465-3746	556	285	454	273	
	Lip Shroud	465-3750	886	555	249	485	
Hardware							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Insert	517-3992	90	227	73	9	
	Welded Base	465-3797	160	116	–	5	
	Pin	465-3753	–	–	–	–	
Gauges							
Type					Part #	Weight (kg)	Notes
	Nose Gauge				465-3764	–	Use C130 Tips and Wing Shrouds
	Lip Gauge				465-3765	–	

X-2

WELD-ON ADAPTER G.E.T. SYSTEM
100 TO 400 TON SHOVELS

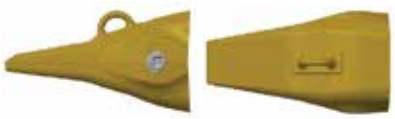
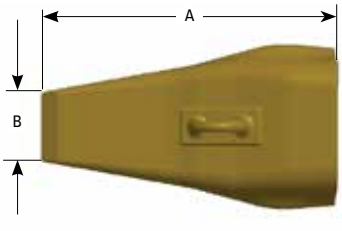
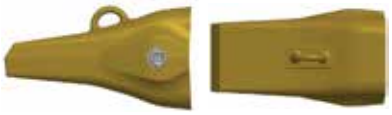


Competitive Reference								
Nominal BOF (kN)	G.E.T. Class Cat Equivalent	Caterpillar	Bucyrus	Liebherr	Komatsu	Hitachi	ESCO (Std)	ESCO (XHD)
	Plate Lip							
390	C70 (100 mm)	6015	R9100				V61	V69
490	C70 (100 mm)	6015 FS	R9100 FS	R9100	PC1250	EX1200	V61	V69
529	C70 (100 mm)	6015 B		R9100 FS	PC1250 FS	EX1200 FS	70SV2	70SV2
510	C70 (100 mm)	6018	RH90				70SV2	70SV2
730	C85 (100 mm)	6018 FS	RH90 FS				70SV2	70SV2
665	C85 (100 mm)	6020			PC2000	EX1900/EX1900 FS	70SV2	70SV2
870	C85 (120 mm)	6030	RH120	R2950	PC3000/ PC3000 FS	EX2600	V81	S95
920	C95 (140 mm)	6030 FS	R9250 FS/R9350/ R9350 FS	R9800			75SV2	85SV2
1120	C95 (140 mm)	6040	RH170	R994, R9400	PC4000	EX3600/EX3600 FS	85SV2	S110

Machine model availability and attachment vary by region. Please contact your local dealer for availability.

X-2

TIPS (C70-C95 FOR HMS)

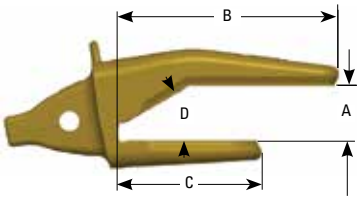
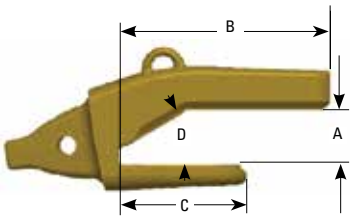
Tips							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	C70 Penetration	456-5734	476	97	24	56	  [1]Not for S95 Retro Fit [2]Used with 371-9367 Retro Fit Pin
	C85 Penetration	456-2560	495	116	25	73	
	C95 Penetration[1]	458-0328	600	140	44	106.2	
	C70 Abrasion	457-0882	476	185	83	77	
	C85 Abrasion	456-2564	495	194	88	100	
	C95 Abrasion[2]	458-0330	607	154.4	70	130.4	
	C70 General Purpose	457-0884	445.5	179	42	55	
	C85 General Purpose	456-2562	466	203	51	78	
	C95 General Purpose[2]	458-0332	542	260	50	120.1	
	C70 Sharp	555-0561	500	30	26	58	
	C85 Sharp	500-3990	590	35	25	91	
	C85 HD Penetration	456-2568	540	135	45	100	
	C85 Impact	456-2566	486	138	100	104	
	C95 Impact[2]	458-0334	591	140	100	149.6	

Hardware			
Type		Part #	Weight (kg)
	Retro Fit Pin	371-9367	5
	C70 Retaining Pin	363-9111	1
	C85 Retaining Pin	447-8238	2
	C95 Retaining Pin	450-5182	3

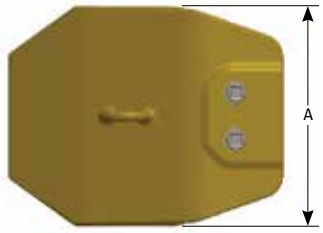
Gauges				
Type		Part #	Weight (kg)	Notes
	Rebuild Gauge*	489-6465	–	*Use for S95 Retro Fit
	Nose Gauge	463-7225	–	
	Repair Nose	457-9759	–	

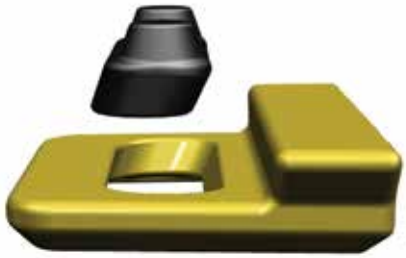
X-2

ADAPTER & RETENTION FOR HMS (C70-C95 CLASS)

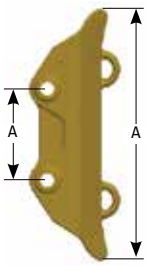
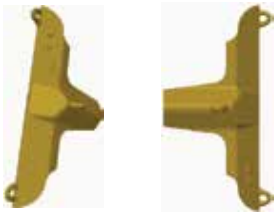
Adapters									
Type		Part #	A (mm)	B (mm)	C (mm)	D (deg)	E (mm)	Weight (kg)	Notes
	C70 Adapter (RH Corner) Straddle Leg	467-3431	100	408	324	30	214	114	
	C85 Adapter (LH Corner) Straddle Leg	388-6375	100	520	245	30	241	158	
	C70 Adapter (LH Corner) Straddle Leg	467-3432	100	408	324	30	214	114	
	C85 Adapter, (LH Corner) Straddle Leg	388-6376	100	520	245	30	241	158	
	C70 Adapter, Center	467-3430	100	468	275	30	214	99	
	C85 (100 mm) Adapter, Center	388-6377	100	547	245	30	241	149	
	C85 (120 mm) Adapter, Center	417-4619	120	555	325	30	241	176	
	C95 Adapter, Center	396-4955	140	579	376	30	250	194	
	C85 Adapter (LH Corner) Straddle Leg	417-4620	120	531	310	30	241	183	
	C95 Adapter (LH Corner) Straddle Leg	463-4154	140	576	347	30	254	202	
	C85 Adapter (RH Corner) Straddle Leg	417-4621	120	531	310	30	241	183	
	C95 Adapter (RH Corner) Straddle Leg	463-4153	140	579	347	30	254	202	
	C95 Adapter, Cast Corner, LH	380-2432	140	N/A	N/A	30	N/A	407	Nose: 10 deg for all part numbers
	C95 Adapter, Cast Corner, RH	380-2433	140	N/A	N/A	30	N/A		

X-2
LIP SHROUDS FOR HMS

Lips							
Type	Thickness B (mm)	Width A mm)	Spade Angle °	Position	Part #	Weight (kg)	Notes
	100	290	0	Center	443-4545	86	
		290	22	Left	443-4547	94	
		290	22	Right	443-4549	94	
		320	0	Center	483-7144	110	
		320	15	Right	433-1056	110	
		320	15	Left	433-1057	110	
		375	0	Center	437-1194	128.65	
		375	22	Right	456-8680	141.8	
		375	22	Left	456-8682	141.8	
		420	12.8	Right	437-1192	149.55	
		420	12.8	Left	437-1193	150	
	120	470	11.5	Right	417-4639	150	
		470	11.5	Left	417-4638	150	
		470	0	Center	417-4640	146	
		575	11.5	Right	417-4646	179	
		575	11.5	Left	417-4644	179	
	140	390	11.5	Right	396-8289	140	
		390	11.5	Left	396-8288	140	
		390	0	Center	396-8287	137	
		470	11.5	Right	463-4160	187	
		470	11.5	Left	463-4158	187	
		470	0	Center	463-4156	178	
		575	11.5	Left	479-0105	230	
		575	11.5	Right	479-0107	230	

Hardware								
Type	Base Edge B (mm)	Width A (mm)	Position	Shroud Deflector	Mounting Base	Mounting Insert	Boss Locator Gauge	Notes
 Welded Base	100	290	Center	452-8503	459-9015	459-9016	447-8236	
			Left					
			Right					
		320	Center				464-3497	
			Left					
			Right					
		375	Center				470-6769	
			Left				470-6770	
			Right					
 Insert		420	Right				470-6769	
			Left					
	120	470	Right	466-9895			450-4404	
			Left					
			Center					
		575	Right	466-9896				
			Left					
 Shroud Deflector	140	390	Right	466-9894			448-4330	
			Left					
			Center					
		470	Right	466-9895				
			Left					
			Center					
		575	Left	466-9896				
			Right					

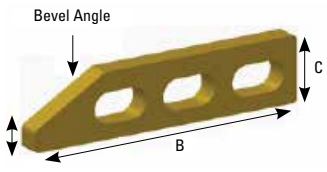
X-2
WING SHROUDS FOR HMS

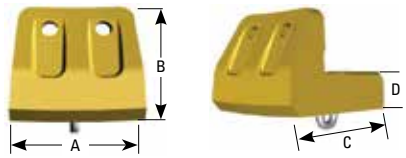
Wing Shrouds							
Type		Wing Shroud Part #	Retention Reference	A (mm)	B (mm)	Weight (kg)	Notes
	Pin On Wing Shrouds	415-2353	A	743	70	60	  6015B, 6020B: Use Pin On Part # 415-2353 6030FS, 6030BH, 6040BH: Use Pin On Part # 430-8480 6015B, 6020B: Use Hammerless Part # 4521-9497 6030FS, 6030BH: Use Hammerless Part # 521-9458 (Upper) and 521-9459 (Lower)
		430-8480	B	975	90	120	
	Hammerless Wing Shrouds (Upper & Lower)	521-9457	C	836	70	85	
	Hammerless Wing Shrouds (Upper)	521-9458		839	90	120	
	Hammerless Wing Shrouds (Lower)	521-9459		495	90	69	

Hardware – Pin On Shrouds				
Type	Retention Reference	Shear Block	Pin	Retainer Ring
 Shear Block  Shear Block (Upper)  Shear Block (Lower)  *Retainer Kit (2 pins, 4 rings)	A	468-2941	444-1747 (*kit)	
	B	466-9868 (Upper) 452-8503 (Lower)	430-8484	415-3651

Hardware – Hammerless Shrouds				
Type	Retention Reference	Shear Block	Retainer	Welded Base
 Shroud Welded Base  Retainer	C	455-3652	521-9461	521-9460

BASE EDGE END PROTECTION AND HEAL SHROUDS

Beep Shrouds						
Type		Part #	A (mm)	B (mm)	C (mm)	Bevel Angle
	Base Edge End Protection	286-2127	35	400	90	35
		450-3845	23	540	100	30
		437-3059	23	460	100	30
		469-5691	40	580	120	30
		476-3379	45	610	1140	30

Heel Shrouds								
Type		Part #	Style	A (mm)	B (mm)	C (mm)	D (mm)	Wt (kg)
	Heal Shrouds	416-2026	Curved	160	145	214	45	12
		417-5696		250	215	300	72	39
		438-4559	Straight	244	238	349	90	73
		438-4558						

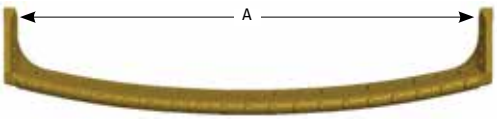
X-4

ERS WHISLER STYLE G.E.T. SYSTEM
800 TO 1,500 TON



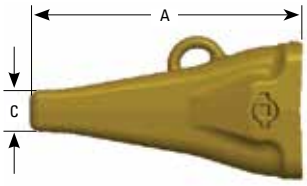
Competitive Reference							
Class (MT payload	G.E.T. Class Recommended	Wing Size	Caterpillar	Bucyrus	P & H	Taiyuan	OMZ
20-25	WH 8		7182	150B, 150RB, 151M,155B, 181M, 182M,190B, 195B, 195BI,195BII, 195RB	1600, 1600CL, 1900, 1900A,1900AL, 1900AL/LR, 1900ALCL	WK4C, WK4D, WK8, WK10B, WK10C, WK12	EKG-10, EKG-10A, EKG-10I, EKG-10R, EKG-12, EKG-12.5, EKG-14, EKG-5A, EKG-5U, EKG-8, EKG-8U, EKG-8US, EKG-8YC
30-35	WH 10	#8	290BII	191M, 280B, 280KB, 290B, 290BI	2100, 2100B, 2100BL, 2100BLE, 2100BLM, 2100XP, 2100XPA	WK20	EKG-12A, EKG-15
40-50			7295	192M,201M, 204M, 291M, 295B, 295BI, 295BII, 295BIII, 295HR	2300, 2300LR, 2300MKI, 2300MKII, 2300XP, 2300XPA, 2300XPA-LR, 2300XPB, 2300XPC, 2300XPLR, 2800MKI, 2800MKII	WK27	EKG-1500R, EKG-18R, EKG-20
63	WH 12	#10	7395	395B, 395BI, 395BII, 395HR	2800XP, 2800XPA, 2800XPB, 2800XPC	WK35	EKG-32R
77	WH 12, WH 10 HD, C130	#12	7495HD	301M, 351M, 495B, 495BI, 495HD	4100, 4100A, 4100ALR, 4100C		
90+			7495, 7495HF, 7495HF2	495BII, 495HF, 495HF2, 495HR, 495HR2, 595B	4100BOSS, 4100VBOSS, 4100BOSS AC, 4100TS, 4100XPB, 4100XPC, 4100XPC-AC, 5700, 5700XPA	WK55, WK75	EKG-50

X-4
WHISLER LIPS

Lips						
Type		Part #	Inside Dimension**	Adapter Positions*	Wing Sizes	Notes
	WH12	464-0825	214" (5436 mm)	10	#12	
		450-0618	192" (4877 mm)	9	#12	
		476-7095	170" (4318 mm)	8	#10	*Lip Shroud positions is 1 less than adapter positions **Measure inside to Inside at top of wing
	WH10	530-0213	144" (3658 mm)	7	#8	

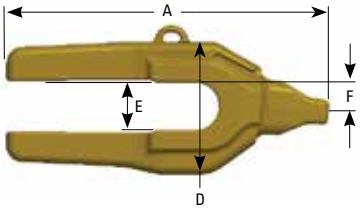
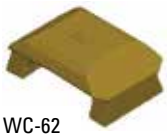
Gauges			
Type		Position Gauge	Part #
	Adapter	WH12	399-5770
		WH10	450-1642
	Lip Shroud	WH12	399-5769
		WH10	450-1641
	Upper Wing Shroud	#12	457-1628
		#10	480-9016
		#8	504-7533
	Lower Wing Shroud	#12	457-1629
	Lower LH Wing Shroud	#10	480-9017
		#8	504-7535
	Lower RH Wing Shroud	#10	480-9018
		#8	504-7534

WH12 & WH10 TIPS

Tips							
Type		Part #	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
	Pen Abrasion	398-3021	608	60	30	102	 
	Abrasion	438-7180	572	208	98	118	
	General	398-3019	521	203	76	94	
	Impact	456-1622	513	150	98	98	
	Oil Sands Pen	522-3916	638	74	30	97	

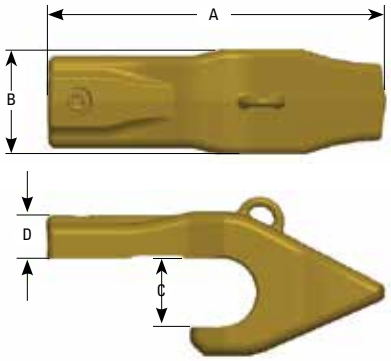
X-4

WH12 & WH10 ADAPTERS

Adapters												
Type		Part #	ID	Wear Cap	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F °	Wt (kg)	Notes
 	Adapter	398-3028	WH12 5°	A	724	–	267	451	173	5	390	
		513-2351	WH12 5°	NA	724	–	267	451	173		394	
		520-5985	WH5° – HD	B	687	–	254	451	159		412	
		398-3029	WH10 5°	B	687	–	254	428	159		334	
		486-9668	WH10 0°	B	687	–	254	428	159	0	340	
 WC-62  WC-62LWP	Wear Cap	398-3040	WC-45	A	301	210	–	45	–	–	20	
		398-3042	WC-62	A	301	210	–	62	–		28	
		503-1306	WC-62LWP	A	301	210	–	77	–		36	
		398-3041	WC-53	B	276	192	–	53	–		27	

Hardware				
Type		Part #	ID	Notes
 HC-2  LC-12	Retainer	398-3030	HC-1[1]	[1] 0-12.5 mm worn [2] 10-24 mm worn
		398-3031	HC-2 [2]	
		398-3036	LC-12	
 asm  LW118	Wedge	398-3032	Assembly	
		398-3039	LW106	
		398-3038	LW118	
		398-3037	LW131	
	Locking Cap	503-1306	WC-62LWP	

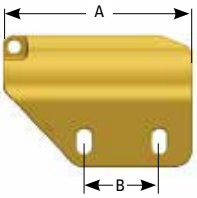
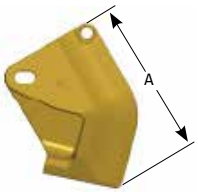
WH12 & WH10 LIP SHROUDS

Lips								
Type		Part #	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Notes
 LS-12WH	Lip Shroud WH12	394-9744	800	254	161	101	187	
	Lip Shroud WH12 – Short	507-7123	676	254	161	101	164	
	Lip Shroud WH12 – P&H	388-9225	800	254	161	101	193	
	Lip Shroud WH10	394-9746	668	256	130	110	136	
	Lip Shroud WH10 – Wide	521-2504	668	299	130	110	143	

Hardware		
Type		Part #
 LS-12MW	WH12 Welded Base	398-3027
	WH10 Welded Base	481-4693

X-4

WHISLER CLASS WING SHROUDS

Wing Shrouds									
Type		Part #	Retention Size	ID	A (mm)	B (mm)	C (mm)	Weight (kg)	Notes
 #12 Upper  #12 Lower	#12 Upper LH	396-0582	A	–	578	229	143	126	
	#12 Upper RH	396-0583	A	–	578	229	143	126	
	#12 Lower LH	396-0584	A	–	623	–	–	136	
	#12 Lower RH	396-0585	A	–	623	–	–	136	
	#10 Upper LH	396-0589	A	–	775	381	147.5	199	
	#10 Upper RH	396-0590	A	–	775	381	147.5	199	
	#10 Lower LH	396-0586	A	–	652	–	–	156	
	#10 Lower RH	396-0587	A	–	652	–	–	156	
 #10PH Upper Common  #10PH Lower LH Curved   #10PH Lower LH Straight	WH10PH Upper	505-4301	A	Common	490	240.5	120.5	124	
	WH10PH Lower LH	505-4302	A	Curved	543	–	–	141	
	WH10PH Lower RH	505-4303	A	Curved	543	–	–	141	
	WH10PH Lower LH	505-4304	A	Straight	543	–	–	162	
	WH10PH Lower RH	505-4305	A	Straight	543	–	–	162	
	#8 Upper	396-0588	B	–	375	178	107.5	64	
	#8 Lower LH	396-0591	B	–	575	–	–	89	
	#8 Lower RH	396-0592	B	–	575	–	–	89	

Hardware						
Type		Part #	Retention Size	Series	Weight (kg)	Notes
 Wedge – Hammerless  Wedge	Wedge – Hammerless	454-9015	A	#10 & 12	1.5	
	Wedge	434-4549	A	#10 & 12	2.0	
	Wedge – Standard	434-4550	B	#8	1.5	
	Wedge – Oversize	434-4551	B	#8	1.6	
 Spool Assembly  Spool	Spool – Hammerless	454-9006	A	–	1.7	
	Spool	434-4553	A	#10 & 12	1.7	
	Spool	434-4555	B	#8	1.5	

Underground Load Haul Dump Loaders



Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1300G

Buckets: 243-5577 Bucket 2.4 M³ (3.1 YD³)

1920 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	243-5564	
Cat Weld On	416-0254 416-0252 416-0253	Half Arrow Corner Edge RH Corner Edge LH	3 1 1	N/A	N/A	243-5564	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9311	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Large	1 1 2 2	4 4 2 3	470-9312 470-9313	470-9319	Half Life Corners should be installed at first wear indicator line.
Advansys 90 Tip and Adapter System	135-9544 135-9545 135-9546 505-3991	Half Arrow Segment Half Arrow RH Half Arrow LH A90 High Abrasion Tip	2 1 1 5	2 2 2 N/A	N/A	555-7559	See Advansys 90 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	18	
	Nuts	1-1/4 - 7	3K-9770	18	
	Washers	1-1/4	4K-0684	18	
	Plug	Counterbore Plug	521-4269	18	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 90 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	8	
	Nuts	1-1/4 - 7	3K-9770	8	
	Washers	1-1/4	4K-0684	8	
	Plug	Counterbore Plug	521-4269	8	Plugs are used to insert in counterbores to keep debris out during operation.

R1300G

Buckets: 186-9278 Bucket 2.8 M³ (3.7 YD³)

1980 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	243-5571	
Cat Weld On	416-0254 416-0252 416-0253	Half Arrow Corner Edge RH Corner Edge LH	3 1 1	N/A	N/A	243-5571	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9309	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small	1 1 2 3	4 4 2 2	470-9312 470-9313	470-9320	Half Life Corners should be installed at first wear indicator line.
Advansys 90 Tip and Adapter System	135-9544 135-9545 135-9546 505-3991	Half Arrow Segment Half Arrow RH Half Arrow LH A90 High Abrasion Tip	2 1 1 5	2 2 2 N/A	N/A	553-4122	See Advansys 90 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	18	
	Nuts	1-1/4 - 7	3K-9770	18	
	Washers	1-1/4	4K-0684	18	
	Plug	Counterbore Plug	521-4269	18	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 90 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	8	
	Nuts	1-1/4 - 7	3K-9770	8	
	Washers	1-1/4	4K-0684	8	
	Plug	Counterbore Plug	521-4269	8	Plugs are used to insert in counterbores to keep debris out during operation.

R1300G

Buckets: 243-6143 Bucket 3.1 M³ (4.1 YD³) 243-7054 Ejector Bucket 2.4 M³ (3.7 YD³) 157-3622 Ejector Bucket 2.8 M³ (3.7 YD³)

2170 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	297-2951	
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	297-2951	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9310 470-9311 522-6219[1]	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large Ejector Ramp Kit	1 1 2 2 1 1	4 4 2 2 3 N/A	470-9312 470-9313	470-9317	Half Life Corners should be installed at first wear indicator line.
Advansys 90 Tip and Adapter System	135-9544 135-9545 135-9546 505-3991	Half Arrow Segment Half Arrow RH Half Arrow LH A90 High Abrasion Tip	3 1 1 6	2 2 2 N/A	N/A	553-4125	See Advansys 90 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	19	
	Nuts	1-1/4 - 7	3K-9770	19	
	Washers	1-1/4	4K-0684	19	
	Plug	Counterbore Plug	521-4269	19	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 90 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	10	
	Nuts	1-1/4 - 7	3K-9770	10	
	Washers	1-1/4	4K-0684	10	
	Plug	Counterbore Plug	521-4269	10	Plugs are used to insert in counterbores to keep debris out during operation.

[1] Ejector ramp kit required on ejector buckets

R1300G

Buckets: 243-6224 Bucket 3.4 M³ (4.5 YD³)

2370 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	297-2951	
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	297-2951	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9311	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Large	1 1 2 3	4 4 2 3	470-9312 470-9313	470-9317	Half Life Corners should be installed at first wear indicator line.
Advansys 90 Tip and Adapter System	135-9544 135-9545 135-9546 505-3991	Half Arrow Segment Half Arrow RH Half Arrow LH A90 High Abrasion Tip	3 1 1 6	2 2 2 N/A	N/A	553-4149	See Advansys 90 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	21	
	Nuts	1-1/4 - 7	3K-9770	21	
	Washers	1-1/4	4K-0684	21	
	Plug	Counterbore Plug	521-4269	21	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 90 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	10	
	Nuts	1-1/4 - 7	3K-9770	10	
	Washers	1-1/4	4K-0684	10	
	Plug	Counterbore Plug	521-4269	10	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1600G

Buckets: 229-1385 Bucket 3.9 M³ (5.1 YD³)

2410 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	229-1383	
Cat Weld On	416-0254 416-0255 416-0525 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	229-1383	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9310	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium	1 1 2 4	4 4 2 2	470-9312 470-9313	470-9322	Half Life Corners should be installed at first wear indicator line.
Advansys 110 Tip and Adapter System	257-1782 257-1783 257-1784 505-4011	Half Arrow Segment Half Arrow RH Half Arrow LH A110 High Abrasion Tip	2 1 1 5	4 4 4 N/A	N/A	555-7562	See Advansys 110 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	20	
	Nuts	1-1/4 - 7	3K-9770	20	
	Washers	1-1/4	4K-0684	20	
	Plug	Counterbore Plug	521-4269	20	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 110 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	16	
	Nuts	1-1/4 - 7	3K-9770	16	
	Washers	1-1/4	4K-0684	16	
	Plug	Counterbore Plug	521-4269	16	Plugs are used to insert in counterbores to keep debris out during operation.

R1600G

Buckets: 227-4702 Bucket 4.2 M³ (5.5 YD³) 203-1792 Bucket 4.8 M³ (6.2 YD³) 227-4704 Bucket 5.6 M³ (7.3 YD³)
227-4705 Bucket High Pen 4.8 M3 (6.2 YD³) 229-1676 Ejector Bucket 4.8 M³ (6.3 YD³)

2570 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	216-3078	
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	216-3078	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9310 470-9311 522-6219[1]	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large Ejector Ramp Kit	1 1 2 2 2 1	4 4 2 2 3 N/A	470-9312 470-9313	470-9321	Half Life Corners should be installed at first wear indicator line.
Advansys 110 Tip and Adapter System	109-9080 116-7461 116-7462 505-4011	Half Arrow Segment Half Arrow RH Half Arrow LH A110 High Abrasion Tip	1 2 2 6	3 3 3 N/A	N/A	553-4128	See Advansys 110 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	22	
	Nuts	1-1/4 - 7	3K-9770	22	
	Washers	1-1/4	4K-0684	22	
	Plug	Counterbore Plug	521-4269	22	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 110 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	15	
	Nuts	1-1/4 - 7	3K-9770	15	
	Washers	1-1/4	4K-0684	15	
	Plug	Counterbore Plug	521-4269	15	Plugs are used to insert in counterbores to keep debris out during operation.

[1] Ejector ramp kit required on ejector buckets

R1600G

Buckets: 227-4703 Bucket 5.9 M³ (7.7 YD³)
227-4707 Bucket High Pen 5.9 M³ (7.7 YD³)

2870 mm Bucket Width							
Type	G.E.T. Required				Half Life Corners	Base Edge	Notes
	PN	Description	Quantity	Hardware			
Weld On	6Y-2107	Half Arrow	1	N/A	N/A	227-4183	
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	227-4183	
Bolt On Half Arrows	470-9306 470-9307 470-9308 470-9310 470-9311	Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 2 3 2	4 4 2 2 3	470-9312 470-9313	470-9323	Half Life Corners should be installed at first wear indicator line.
Advansys 110 Tip and Adapter System	257-1782 109-9081 109-9082 505-4011	Half Arrow Segment Half Arrow RH Half Arrow LH A110 High Abrasion Tip	3 1 1 6	4 3 3 N/A	N/A	553-4131	See Advansys 110 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	
	Nuts	1-1/4 - 7	3K-9770	24	
	Washers	1-1/4	4K-0684	24	
	Plug	Counterbore Plug	521-4269	24	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 110 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	18	
	Nuts	1-1/4 - 7	3K-9770	18	
	Washers	1-1/4	4K-0684	18	
	Plug	Counterbore Plug	521-4269	18	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1700G

Buckets: 255-9970 Bucket 5.0 M³ (6.5 YD³)
256-0378 Bucket High Pen 5.0 M³ (6.5 YD³)
256-0862 Bucket 4.6 M³ (6.0 YD³)

2672 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 1 1 1	N/A	N/A	255-9967	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9309 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small Straight Segment Large	1 1 1 1 2 3 2	2 2 4 4 2 2 3	470-9312 470-9313	470-9324	470-9314 470-9315	
Mechanically Attached System	317-7941 317-7942 317-7943 317-7944 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Small Straight Shroud Medium Transition Shroud	1 1 1 4 2	1 1 1 1 1	317-7955 317-7956	345-1994	317-7939 317-7940	
Advansys 130 Tip and Adapter System	116-7460 116-7461 116-7462 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	3 3 3 N/A	N/A	555-7565	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	15	
	Nuts	1-1/4 - 7	3K-9770	15	
	Washers	1-1/4	4K-0684	15	
	Plug	Counterbore Plug	521-4269	15	Plugs are used to insert in counterbores to keep debris out during operation.

R1700G

Buckets: 252-7194 Bucket 5.7 M³ (7.5 YD³)
256-0379 Bucket High Pen 5.7 M³ (7.5 YD³)

2772 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0252 416-0253	Half Arrow Corner Edge RH Corner Edge LH	3 1 1	N/A	N/A	256-0352	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9309 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small Straight Segment Large	1 1 1 1 2 3 2	2 2 4 4 2 2 3	470-9312 470-9313	470-9325	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7943 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Small Straight Shroud Large Transition Shroud	1 1 3 2 2	1 1 1 1 1	317-7955 317-7956	326-3409	317-7939 317-7940	
Advansys 130 Tip and Adapter System	109-9080 109-9081 109-9082 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	3 3 3 N/A	N/A	553-4137	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	15	
	Nuts	1-1/4 - 7	3K-9770	15	
	Washers	1-1/4	4K-0684	15	
	Plug	Counterbore Plug	521-4269	15	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1700G

Buckets: 226-5404 Bucket 6.7 M³ (8.8 YD³)
256-0387 Bucket High Pen 6.7 M³ (8.8 YD³)

2932 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	1 2 1 1	N/A	N/A	256-0381	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 3 2	2 2 4 4 2 2 3	470-9312 470-9313	470-9326	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 3 2 2	1 1 1 1 1	317-7955 317-7956	345-1990	317-7939 317-7940	
Advansys 130 Tip and Adapter System	116-7460 257-1783 257-1784 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	1 2 2 6	3 4 4 N/A	N/A	552-9409	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	19	
	Nuts	1-1/4 - 7	3K-9770	19	
	Washers	1-1/4	4K-0684	19	
	Plug	Counterbore Plug	521-4269	19	Plugs are used to insert in counterbores to keep debris out during operation.

R1700G

Buckets: 256-0356 Bucket 7.4 M³ (9.7 YD³)
256-0377 Bucket High Pen 7.4 M³ (9.7 YD³)

2982 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 2 1 1	N/A	N/A	256-0367	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 2 3	2 2 4 4 2 2 3	470-9312 470-9313	470-9327	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 2 3 2	1 1 1 1 1	317-7955 317-7956	326-3411	317-7939 317-7940	
Advansys 130 Tip and Adapter System	257-1782 109-9081 109-9082 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	4 3 3 N/A	N/A	553-4134	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	25	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	29	
	Washers	1-1/4	4K-0684	29	
	Plug	Counterbore Plug	521-4269	29	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	18	
	Nuts	1-1/4 - 7	3K-9770	18	
	Washers	1-1/4	4K-0684	18	
	Plug	Counterbore Plug	521-4269	18	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1700G

Buckets: 256-0386 Bucket Light Mat 8.8 M³ (11.5 YD³)

3492 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 2 1 1	N/A	N/A	256-0385	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 6 1	2 2 4 4 2 2 3	470-9312 470-9313	470-9328	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 6 1 2	1 1 1 1 1	317-7955 317-7956	326-3413	317-7939 317-7940	

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	27	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	31	
	Washers	1-1/4	4K-0684	31	
	Plug	Counterbore Plug	521-4269	31	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	11	

R1700K

Buckets: 495-1639 Ejector Bucket 5.8 M³

2769 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0252 416-0253	Half Arrow Corner Edge RH Corner Edge LH	3 1 1	N/A	N/A	256-0352	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9309 470-9311 522-6219[1]	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small Straight Segment Large Ejector Ramp Kit	1 1 1 1 2 3 2 1	2 2 4 4 2 2 3 N/A	470-9312 470-9313	470-9325	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7943 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Small Straight Shroud Large Transition Shroud	1 1 3 2 2	1 1 1 1 1	317-7955 317-7956	326-3409	317-7939 317-7940	
Advansys 130 Tip and Adapter System	109-9080 109-9081 109-9082 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	3 3 3 N/A	N/A	553-4137	N/A	See Advansys 130 Tips fo alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	15	
	Nuts	1-1/4 - 7	3K-9770	15	
	Washers	1-1/4	4K-0684	15	
	Plug	Counterbore Plug	521-4269	15	Plugs are used to insert in counterbores to keep debris out during operation.

[1] Ejector ramp kit required on ejector buckets

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1700K

Buckets: 467-1827 Bucket 5.7 M³

2830 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0252 416-0253	Half Arrow Corner Edge RH Corner Edge LH	3 1 1	N/A	N/A	256-0352	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9309 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small Straight Segment Large Ejector Ramp Kit	1 1 1 1 2 1 2 2	2 2 4 4 2 2 2 3	470-9312 470-9313	493-2902	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7943 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Small Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 1 2 2 2	1 1 1 1 1 1	317-7955 317-7956	497-6979	317-7939 317-7940	
Advansys 130 Tip and Adapter System	109-9080 109-9081 109-9082 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	3 3 3 N/A	N/A	555-7568	N/A	See Advansys 130 Tips fo alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	15	
	Nuts	1-1/4 - 7	3K-9770	15	
	Washers	1-1/4	4K-0684	15	
	Plug	Counterbore Plug	521-4269	15	Plugs are used to insert in counterbores to keep debris out during operation.

R1700K

Buckets: 467-1829 Bucket 6.8 M³

2926 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 2 1 1	N/A	N/A	256-0381	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 3 2	2 2 4 4 2 2 3	470-9312 470-9313	470-9326	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 3 2 2	1 1 1 1 1	317-7955 317-7956	345-1990	317-7939 317-7940	
Advansys 130 Tip and Adapter System	116-7460 257-1783 257-1784 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	1 2 2 6	3 4 4 N/A	N/A	552-9409	N/A	See Advansys 130 Tips fo alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	24	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	28	
	Washers	1-1/4	4K-0684	28	
	Plug	Counterbore Plug	521-4269	28	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	19	
	Nuts	1-1/4 - 7	3K-9770	19	
	Washers	1-1/4	4K-0684	19	
	Plug	Counterbore Plug	521-4269	19	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R1700K

Buckets: 467-1829 Bucket 6.8 M³

2972 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	2 2 1 1	N/A	N/A	256-0367	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 2 3	2 2 4 4 2 2 3	470-9312 470-9313	470-9327	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 3 2 2	1 1 1 1 1	317-7955 317-7956	326-3411	317-7939 317-7940	
Advansys 130 Tip and Adapter System	257-1782 109-9081 109-9082 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	4 3 3 N/A	N/A	553-4134	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	25	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	29	
	Washers	1-1/4	4K-0684	29	
	Plug	Counterbore Plug	521-4269	29	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	18	
	Nuts	1-1/4 - 7	3K-9770	18	
	Washers	1-1/4	4K-0684	18	
	Plug	Counterbore Plug	521-4269	18	Plugs are used to insert in counterbores to keep debris out during operation.

R1700K

Buckets: 467-1830 Bucket 7.5 M³

3244 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Bolt On Half Arrows	253-0064 253-0065 470-9306 470-9307 470-9308 470-9309 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Small Straight Segment Large	1 1 1 1 2 6 1	2 2 4 4 2 2 3	470-9312 470-9313	495-2178	470-9314 470-9315	Half Life Corners should be installed at first wear indicator line.
Advansys 130 Tip and Adapter System	264-2090 275-5461 275-5462 381-4096	Half Arrow Segment Half Arrow RH Half Arrow LH A130 High Abrasion Tip	3 1 1 6	4 4 4 N/A	N/A	555-7571	N/A	See Advansys 130 Tips for alternative options

Hardware					
Type	Description		Part #	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	27	6V-6535 is used for attaching the corner guards to the cast corners.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	4	
	Nuts	1-1/4 - 7	3K-9770	31	
	Washers	1-1/4	4K-0684	31	
	Plug	Counterbore Plug	521-4269	31	Plugs are used to insert in counterbores to keep debris out during operation.
Advansys 130 Tip and Adapter System	Bolts	1-1/4 - 7 x 3.25	8T-9079	20	
	Nuts	1-1/4 - 7	3K-9770	20	
	Washers	1-1/4	4K-0684	20	
	Plug	Counterbore Plug	521-4269	20	Plugs are used to insert in counterbores to keep debris out during operation.

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R2900G

Buckets: 249-4899 Bucket 7.2 M³ (9.4 YD³)
249-4915 Bucket High Pen 7.2 M³ (9.4 YD³)
303-8806 Bucket 6.4 M³ (8.4 YD³)

3054 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	1 2 1 1	N/A	N/A	249-4894	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 522-6266 522-6267 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 2 3	2 2 4 4 2 2 3	N/A	470-9329	522-6214 522-6215	
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 2 3 2	1 1 1 1 1	317-7955 317-7956	553-3415	317-7939 317-7940	
Advansys 150 Tip and Adapter System	275-5460 257-1818 257-1819 195-7096 195-7181 195-7182 368-3863	Half Arrow Segment Half Arrow RH Half Arrow LH Top Cover Straight Top Cover RH Top Cover LH A150 High Abrasion Tip	3 1 1 3 1 1 6	4 3 3 4 3 3 N/A	N/A	553-4140	N/A	See Advansys 150 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	17	6V-6535 is used for attaching the corner guards and corner segments to the cast corner.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	12	
	Nuts	1-1/4 - 7	3K-9770	29	
	Washers	1-1/4	4K-0684	29	
	Plug	Counterbore Plug	521-4269	29	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 150 Tip and Adapter System	Bolts	1-1/4 - 7 x 4.125	5P-8823	8	Segment Hardware
	Nuts	1-1/4 - 7	3K-9770	18	
	Bolts	1-1/4 - 7 x 5.50	198-1092	10	Top Cover Hardware
	Nuts	1-1/4 - 7	5P-8362	10	

R2900G/R3000H

Buckets: 249-4892 Bucket 8.2 M³ (10.7 YD³)
249-4916 Bucket High Pen 8.2 M³ (10.7 YD³)
370-2599 Bucket 8.3 M³ (10.9 YD³)

3154 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	1 2 1 1	N/A	N/A	249-4891	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 522-6266 522-6267 470-9308 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Large	1 1 1 1 2 5	2 2 4 4 2 3	N/A	470-9330	522-6214 522-6215	
Mechanically Attached System	317-7941 317-7942 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Large Transition Shroud	1 1 5 2	1 1 1 1	317-7955 317-7956	345-1991	317-7939 317-7940	
Advansys 150 Tip and Adapter System	275-5460 275-5461 275-5462 195-7096 195-7097 195-7098 368-3863	Half Arrow Segment Half Arrow RH Half Arrow LH Top Cover Straight Top Cover RH Top Cover LH A150 High Abrasion Tip	3 1 1 3 1 1 6	4 4 4 4 4 4 N/A	N/A	553-4143	N/A	See Advansys 150 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	19	6V-6535 is used for attaching the corner guards and corner segments to the cast corner.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	12	
	Nuts	1-1/4 - 7	3K-9770	31	
	Washers	1-1/4	4K-0684	31	
	Plug	Counterbore Plug	521-4269	31	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	9	
Advansys 150 Tip and Adapter System	Bolts	1-1/4 - 7 x 4.125	5P-8823	10	Segment Hardware
	Nuts	1-1/4 - 7	3K-9770	20	
	Bolts	1-1/4 - 7 x 5.50	198-1092	10	Top Cover Hardware
	Nuts	1-1/4 - 7	5P-8362	10	

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R2900G/R3000H

Buckets: 249-4893 Bucket 8.9 M³ (11.6 YD³)
249-4914 Bucket High Pen 8.9 M³ (11.6 YD³)
310-0963 Ejector Bucket 7.1 M³ (9.3 YD³)
356-1320 Bucket 10.5 M³ (13.7 YD³)

3354 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	1 2 1 1	N/A	N/A	249-4880	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 522-6266 522-6267 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 2 4	2 2 4 4 2 2 3	N/A	470-9331	522-6214 522-6215	
Mechanically Attached System	317-7941 317-7942 317-7943 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Small Straight Shroud Large Transition Shroud	1 1 2 4 2	1 1 1 1 1	317-7955 317-7956	345-1992	317-7939 317-7940	
Advansys 150 Tip and Adapter System	275-5460 275-5461 275-5462 195-7096 195-7097 195-7098 368-3863	Half Arrow Segment Half Arrow RH Half Arrow LH Top Cover Straight Top Cover RH Top Cover LH A150 High Abrasion Tip	3 1 1 3 1 1 6	4 4 4 2 2 2 N/A	N/A	553-4146	N/A	See Advansys 150 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	19	6V-6535 is used for attaching the corner guards and corner segments to the cast corner.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	12	
	Nuts	1-1/4 - 7	3K-9770	32	
	Washers	1-1/4	4K-0684	32	
	Plug	Counterbore Plug	521-4269	32	Plugs are used to insert in counterbores to keep debris out during operation.
Mechanically Attached System	Retention Kit		317-7948	10	
Advansys 150 Tip and Adapter System	Bolts	1-1/4 - 7 x 4.125	5P-8823	10	Segment Hardware
	Nuts	1-1/4 - 7	3K-9770	20	
	Bolts	1-1/4 - 7 x 5.50	198-1092	10	Top Cover Hardware
	Nuts	1-1/4 - 7	5P-8362	10	

R2900G/R3000H

Buckets: 249-4892 Bucket 8.2 M³ (10.7 YD³)
249-4916 Bucket High Pen 8.2 M³ (10.7 YD³)
370-2599 Bucket 8.3 M³ (10.9 YD³)

3454 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Cat Weld On	416-0254 416-0255 416-0252 416-0253	Half Arrow Half Arrow Corner Edge RH Corner Edge LH	1 2 1 1	N/A	N/A	249-4894	249-4885 249-4884	
Bolt On Half Arrows	253-0064 253-0065 522-6266 522-6267 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 2 4	2 2 4 4 2 2 3	N/A	470-9332	522-6214 522-6215	
Mechanically Attached System	317-7941 317-7942 317-7944 317-7945 317-7946	Corner Shroud RH Corner Shroud LH Straight Shroud Medium Straight Shroud Large Transition Shroud	1 1 2 4 2	1 1 1 1 1	317-7955 317-7956	345-1991	317-7939 317-7940	
Advansys 150 Tip and Adapter System	257-1817 257-1818 257-1819 195-7096 195-7097 195-7098 368-3863	Half Arrow Segment Half Arrow RH Half Arrow LH Top Cover Straight Top Cover RH Top Cover LH A150 High Abrasion Tip	4 1 1 4 1 1 7	3 3 3 2 2 2 N/A	N/A	555-7574	N/A	See Advansys 150 Tips for alternative options

Hardware					
Type	Description		Part Number	Quantity	Notes
Mechanically Attached System	Retention Kit		317-7948	10	
Advansys 150 Tip and Adapter System	Bolts	1-1/4 - 7 x 4.125	5P-8823	6	Segment Hardware
	Nuts	1-1/4 - 7	3K-9770	18	
	Bolts	1-1/4 - 7 x 5.50	198-1092	12	Top Cover Hardware
	Nuts	1-1/4 - 7	5P-8362	12	

Cat Underground Load Haul Dump Loaders

PART NUMBERS

R2900G/R3000H

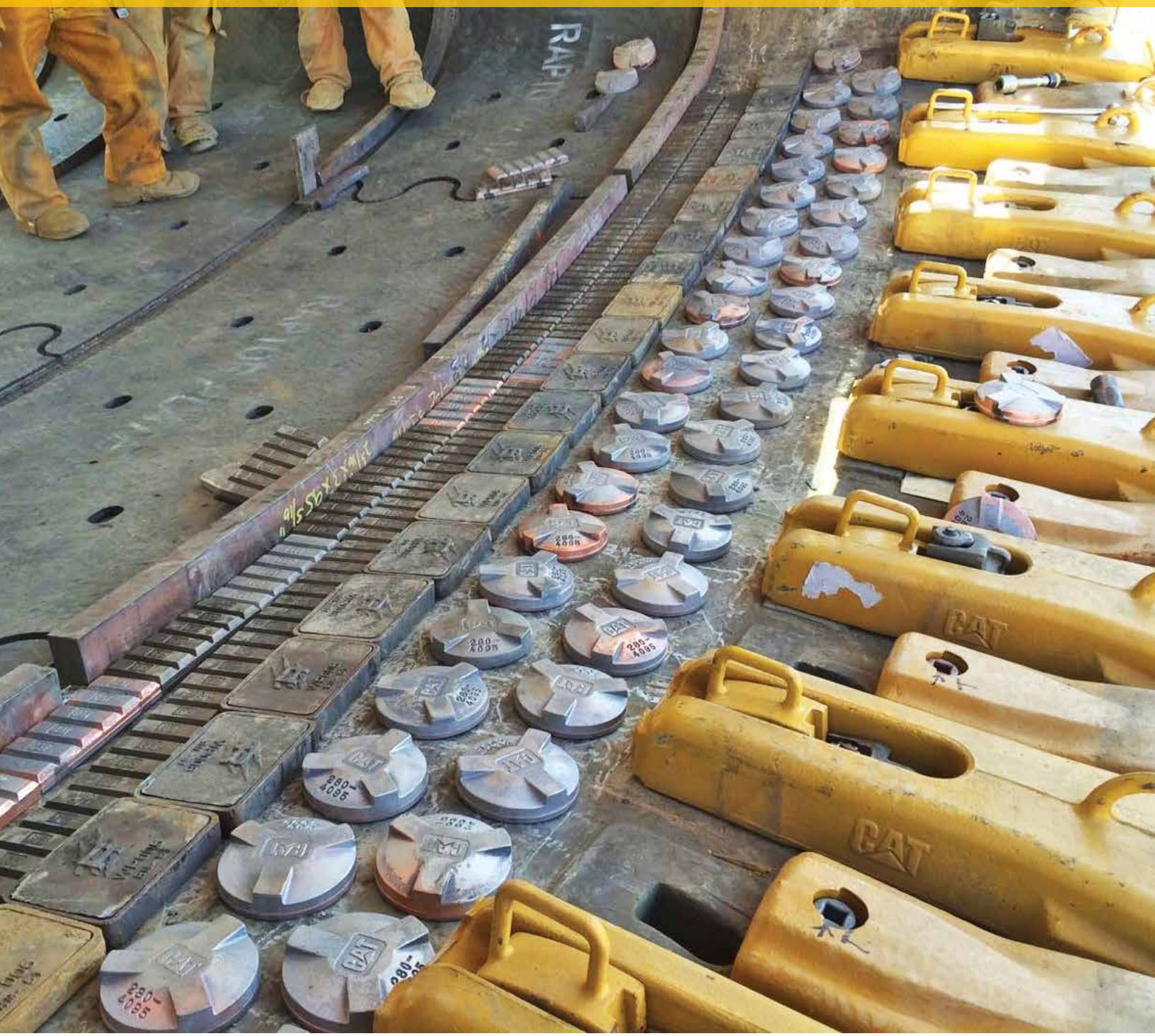
Buckets: 249-4928 Bucket 3800 mm Light Mat 11.5 M^3 (15.0 YD^3)
250-2036 Bucket 11.6 M^3 (15.2 YD^3)

3754 mm Bucket Width								
Type	G.E.T. Required				Half Life Corners	Base Edge	Cast Corners	Notes
	PN	Description	Quantity	Hardware				
Bolt On Half Arrows	253-0064[1] 253-0065[1] 522-6266 522-6267 470-9308 470-9310 470-9311	Corner Guard RH Corner Guard LH Corner Segment RH Corner Segment LH Transition Segment Straight Segment Medium Straight Segment Large	1 1 1 1 2 3 4	2 2 4 4 2 2 3	N/A	470-9333	522-6214 522-6215	

Hardware					
Type	Description		Part Number	Quantity	Notes
Bolt On Half Arrows	Bolts	1-1/4 - 7 x 3.25	8T-9079	22	6V-6535 is used for attaching the corner guards and corner segments to the cast corner.
	Bolts	1-1/4 - 7 x 3.75	6V-6535	12	
	Nuts	1-1/4 - 7	3K-9770	34	
	Washers	1-1/4	4K-0684	34	
	Plug	Counterbore Plug	521-4269	34	Plugs are used to insert in counterbores to keep debris out during operation.

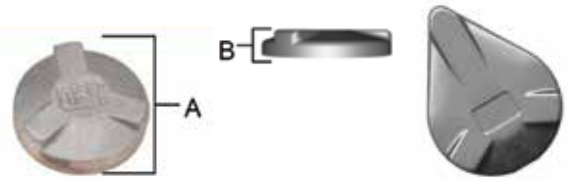
[1] Ejector ramp kit required on ejector buckets

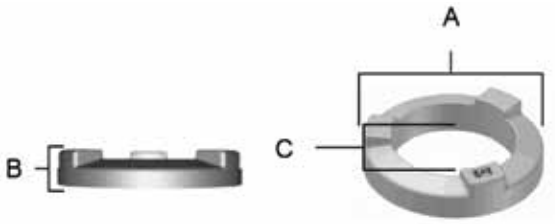
Wear Protection

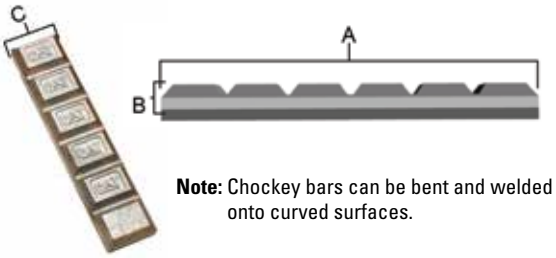


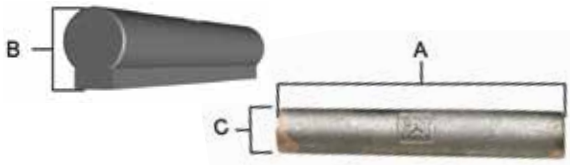
Cat Wear Protection

PART NUMBERS

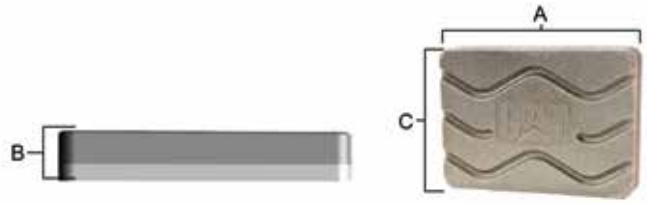
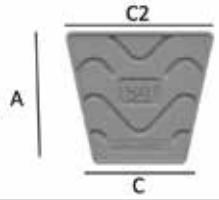
Wear Protection Options					
Wear Buttons					
Part Number	Description	A (mm)	B (mm)	Wt (kg)	Notes
280-4092	Circular	64	22	0.5	
280-4093	Circular	89	29	1.2	
280-4094	Circular	114	33	2.3	
280-4095	Circular	152	35	4.2	
494-8981	Tear Drop Shape	76	25	1.0	

Bolt Saver					
Part Number	A (mm) = OD	B (mm)	C (mm) = ID	Wt (kg)	Notes
345-8061	114	33	79	1.1	

Chockey Bars					
Part Number	A (mm)	B (mm)	C (mm)	Wt (kg)	Notes
494-8979	241	25	25	1.1	 **Note:** Chockey bars can be bent and welded onto curved surfaces.
280-4088			38	1.6	
280-4089			51	2.2	
280-4090			64	2.7	
280-4091			102	4.4	
483-8264	363		165	11.0	

Roll Bars					
Part Number	A (mm)	B (mm)	C (mm)	Wt (kg)	Notes
280-4096	229	38	32	1.6	
280-4097	305	32	51	51	
280-4098		69	78	10.4	
494-8980		114	127	30.2	

Tungsten Sidebars					
Part Number	Diameter (mm)	Length (mm)	Wt (kg)	Overlay Type	Notes
519-8926	51	1,219	22.3	PTA	
519-8927	76		48.2		
519-8928	127		127.7		

Wear Protection Options					
6 x 8" Wear Block					
Part Number	A (mm)	B (mm)	C (mm)	Wt (kg)	Notes
280-4099	203	38	152	8.9	
6 x 8" Bi-Metallic Wear Block					
Part Number	A (mm)	B (mm)	C (mm)	Wt (kg)	Notes
494-8988	203	38	152	8.2	
11" Trapezoidal Wear Block					
Part Number	A (mm)	B (mm)	C, C2 (mm)	Wt (kg)	Notes
494-8987	279	41	178, 292	19.3	
4 x 8.5" Skid Wear Block					
Part Number	A (mm)	B (mm)	C (mm)	Wt (kg)	Notes
494-8985	216	34	102	5.4	
Wear Patch Block					
494-8984	102	11	76	1.0	 **Note:** Wear patch blocks can be plug welded to eliminate gaps.
6 x 8" Manganese Wear Block					
494-8983	203	38	152	9.1	
Manganese Wear Bar					
494-8982	241	25	51	2.4	
Wear Lug					
494-8986	152	29	28	0.9	

Cat Wear Protection

WEAR PRODUCT STANDS

The specially designed stands are engineered to support over 2,500 pounds of wear products. These stands come with integrated fork lift tubes for easy loading and moving. Reflective decals improve visibility. These stands provide a great means for selling, storing, and showcasing wear options. They can be placed at the point of use (parts store, warehouse, weld shop, fabrication shop) for easy storage or consignment plans. Finished with black gloss paint.

Stands						
Part #	Description	Height (mm)	Depth (mm)	Max Width (mm)	Weight Empty (kg)	Notes
495-0370	5' 5" Full Display Stand	1757	619	1924	282.1	Recommended stocking for a full stand. This allows for display of all types of parts and enough quantity to perform layout checks.
495-0371	3' 0" Half Display Stand	–			174.2	

Part #	Description	Quantity
494-8979	1" Chocky Bar	10
280-4088	1.5" Chocky Bar	10
280-4089	2" Chocky Bar	10
280-4090	2.5" Chocky Bar	10
280-4091	4" Chocky Bar	10
483-8264	6.5" Chocky Bar	4
280-4092	2.5" Wear Button	10
494-8981	3" Tear Drop Wear Button	10
280-4093	3.5" Wear Button	10
280-4094	4.5" Wear Button	8
280-4095	6" Wear Button	4
280-4096	1.5" Roll Bar	10
280-4097	2" Roll Bar	10
280-4098	3" Roll Bar	6
494-8980	5" Roll Bar	2
280-4099	6 x 8" Wear Block	2
494-8984	3 x 4" Wear Patch Block	6
494-8987	11" Trapezoidal Wear Block	2
494-8985	4 x 8.5" Skid Wear Block	6
494-8988	6 x 8" Bi-Metallic Wear Block	2
494-8986	1" Wear Lug	10
345-8061	Bolt Saver	6
494-8981	2" Manganese Wear Bar	10
494-8981	6 x 8" Manganese Wear Block	2



Full Stand



Half Stand



G.E.T. System Sales Kits

Kits			
Sales Kit	Part #	Description	Kit Contains:
  Use for WH12 and WH10 G.E.T. Systems	475-3783	X-4 Kit	• One cast lip • One adapter • One wear cap • One spool • One wedge • Five tip options
  Use for C110, C130, C145 G.E.T. Systems	475-3782	X-3 Kit	• One cast lip • One side bar section • One coupler • One lip shroud • Two wing shrouds • Six tip options
  Use for C70, C85, and C95 G.E.T. Systems	475-3784	X-2 Kit	• One base edge with attached side bar • One straddle leg adapter • One center adapter • One lip shroud • One wing shroud • Five tip options
  Use for all CL-1 G.E.T. Systems	475-3785	CL-1 Kit	• One cast lip section • One side bar section • One coupler • One lip shroud • One box point tip • Two wing shrouds • Three tip options

G.E.T. System Sales Kits

WEAR PROTECTION

Wear Protection Options		
Wear Protection Kit		
Type		Part Number
	Wear Button	PEEPJ9260-02
	Wear Block	
  **Note:** Chockey bars can be bent and welded onto curved surfaces.	Chocky Block	

Master Tech Guide

SHOVELS

Hydraulic Mining Shovels			
Type	G.E.T. Size	Special Instruction Media Number	Title
X-2	C70-C90	REHS8326	Procedure for Welding Adapters to Base Edge of Hydraulic Shovel Buckets
		M0087404	X-2 R&I Guide (Replaces BI637619)
		M0075252	X-2 Maintenance Guide
X-3	C110-C145	M0082953	X-3 R&I Guide – (Replaces BI020003)
		M0082949	X-3 Maintenance Guide
		M0082947	X-3 Reload Cast Lip Installation Manual
CL-1	W850-W1150	M0066304	CL-1 – Master Document
		M0066210	CL-1 – Cast Lip Installation Manual
		M0066306	CL-1 – Lip Shroud Mounting Boss Welding Instruction
		M0066308	CL-1 – Wing Shroud Mounting Boss Welding Instructions
		M0066310	CL-1 – Shear Block Welding Instructions
		M0066312	CL-1 – Maintenance Guide
		M0066314	CL-1 – Repair Guide"
		M0066316	CL-1 – Welding Appendix
		M0087406	CL-1 – Wear Plating"
Electric Rope Shovels			
Type	G.E.T. Size	Special Instruction Media Number	Title
X-4	WH10 & 12	BI637394	Whisler 10/12 Lip G.E.T. Special Instruction
Dragline			
Type	G.E.T. Size	Special Instruction Media Number	Title
X-3	C110-C145	M0075250	Dragline G.E.T. R&I Guide
		M0075248	Dragline G.E.T. Maintenance Guide

Special Instruction	
Special Instruction Media Number	Title
GEBI0311	Replacement Procedure for Lip Assemblies (with CAT G.E.T. installed) and Wear Plates on Face Shovel Buckets
GEBI0313	Replacement Procedure for Lip Assemblies (with CAT G.E.T. installed) and Wear Plates on Back Hoe Buckets
GEBI03 I 8	Replacement Procedures and Maintenance Interval Schedules Dragline Buckets



PEBJ0031-06

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