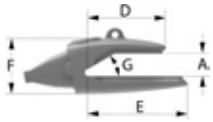
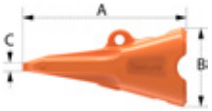
W09 SPECIFICATIONS

Adapters, teeth and accessories



BE



GPE

ML-lock

Typical machine weight - Excavator *25-35 MT*
Maximum breakout force in HD/XHD *168 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	709010	14.8	40	42	380	111	131	227	133	30
BE	709011	14.7	50	52	380	111	131	227	133	30
GPE	709100	8.9		286	141	14	103	127		
ML-lock*	709302	0.5		107						

** Use a 10 mm socket wrench to mount and dismount the mechanical lock 709302.*

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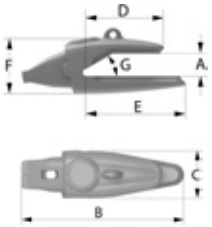
W10 SPECIFICATIONS

Adapters, teeth and accessories

Data Sheet ProClaws V.1 2019



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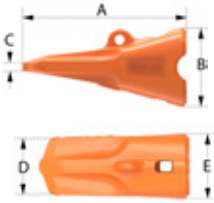
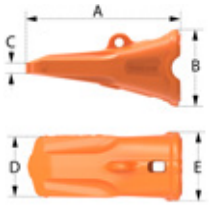


GPE



AE

SL-lock

ML-lock

T-tool

Typical machine weight - Excavator *35-50 MT*
Maximum breakout force in HD/XHD *232 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	710010	25.0	50	52	457	132	184	280	158	30
BE	710011	24.4	60	62	457	132	184	280	158	30
GPE	710100	13.0		324	153	15	120	138		
AE	710110	15.1		334	153	19	129	138		
SL-lock	710301	0.4		124	38					
ML-lock*	710302	0.5		122						
T-tool	700700	1.2								

** Use a 11 mm socket wrench to mount and dismount the mechanical lock 710302.*

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W20 SPECIFICATIONS

Adapters, teeth and accessories

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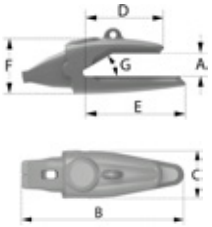

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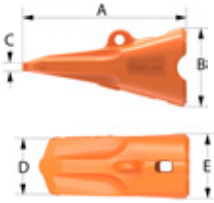
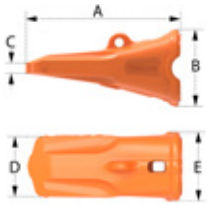


GPE



AE

PE

SL-lock

ML-lock

T-tool

Typical machine weight - Excavator	*40-60 MT*
Maximum breakout force in HD/XHD	*326 kN*
Typical machine weight - Face shovel	*40-80 MT*
Maximum breakout force in HD/XHD	*408 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	720010	40.5	70	72	545	157	227	329	186	30
BE	720011	42.1	60	62	545	157	227	329	186	30
GPE	720100	20.9		376	189	18	139	169		
AE	720110	24.7		387	189	26	148	169		
PE	720120	23.1		404	189	25	87	169		
SL-lock	720301	0.8		146	51					
ML-lock*	720302	0.8		146						
T-tool	700700	1.2								

** Use a 13 mm socket wrench to mount and dismount the mechanical lock 720302.*

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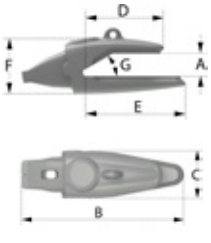
W25 SPECIFICATIONS

Adapters, teeth and accessories

Data Sheet ProClaws V.1 2019



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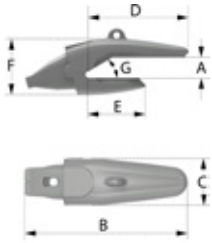

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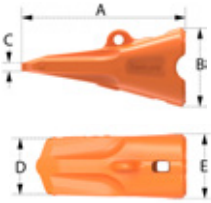

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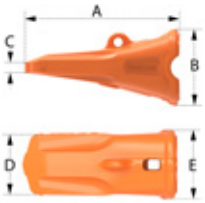

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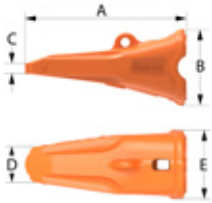
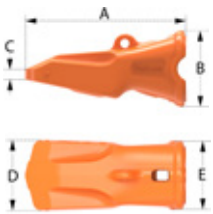


PE

AL



XAL

SL-lock

ML-lock

T-tool

Typical machine weight - Excavator	*50-70 MT*
Maximum breakout force in HD/XHD	*412 kN*
Typical machine weight - Face shovel	*50-100 MT*
Maximum breakout force in HD/XHD	*515 kN*
Typical machine weight - Loader	*50-100 MT*
Maximum breakout force in HD/XHD	*736 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	725010	58.3	80	82	605	177	289	367	205	30
BE	725011	58.0	70	72	605	177	289	367	207	30
TL	825026	59.1	75	77	619	177	379	216	214	30
GPE	725100	28.1		413	201	20	157	180		
AE	725110	33.5		426	213	28	168	192		
PE	725120	31.5		445	213	28	99	192		
AL	825110	39.0		434	213	28	167	192		
XAL	825111	48.5		443	213	28	197	192		
SL-lock	725301	1.0		160	58					
ML-lock*	725302	1.0		160						
T-tool	700700	1.2								

** Use a 13 mm socket wrench to mount and dismount the mechanical lock 725302.*

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W30 SPECIFICATIONS

Adapters, teeth and accessories

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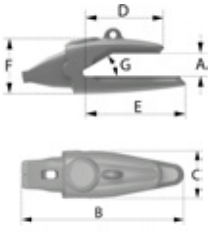

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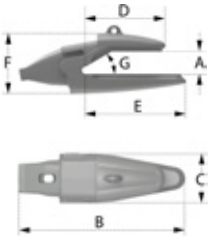

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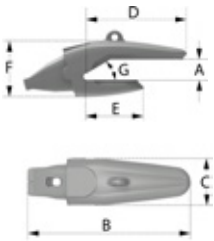

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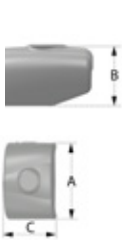
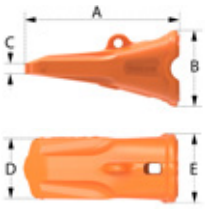
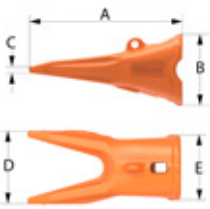


CM



AE

PE



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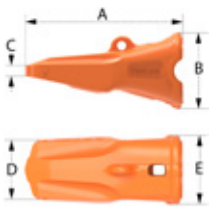
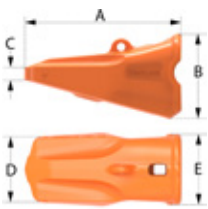


AL



HAL

SL-lock

ML-lock

SML-lock

T-tool

Typical machine weight - Excavator	*70-120 MT*
Maximum breakout force in HD/XHD	*506 kN*
Typical machine weight - Face shovel	*100-120 MT*
Maximum breakout force in HD/XHD	*633 kN*
Typical machine weight - Loader	*100-205 MT*
Maximum breakout force in HD/XHD	*904 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	730010	85.5	90	92	678	202	317	408	243	30
BME	730012	79.0	90	92	678	202	317	408	238	30
TL	830024	90.6	75	77	695	202	420	244	249	30
TL	830026	89.7	90	92	695	202	420	244	252	30
CM	730501	7.6		213	88	142				
AE	730110	48.0		469	236	31	190	215		
PE	730120	44.5		481	236	30	115	215		
WE	730125	40.7		505	236	20	240	215		
AL	830110	54.5		478	236	31	188	215		
HAL	830112	72,3		478	258	37	200	215		
SL-lock	730301	1.5		179	68					
SML-lock*	730312	1,4		180						
ML-lock*	730302	1.4		180						
T-tool	700700	1.2								

** Use a 17 mm socket wrench to mount and dismount the mechanical lock 730302.*

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W40 SPECIFICATIONS

Adapters, teeth and accessories

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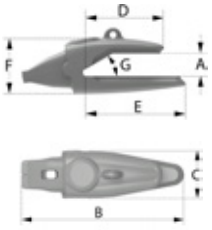

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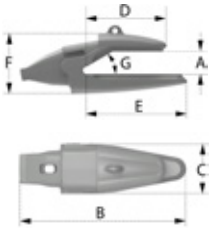
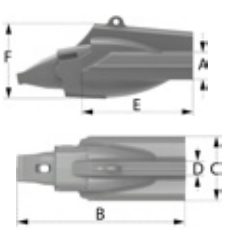
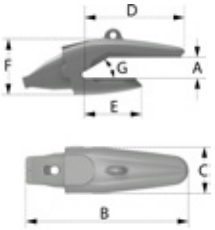


BME



CCE



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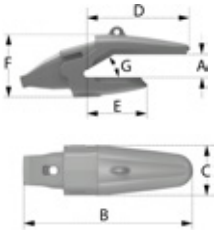
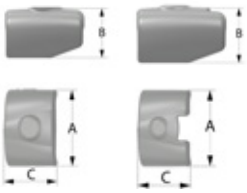
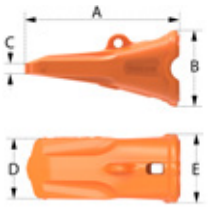


MTL



CM, CCM



AE

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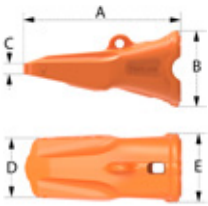

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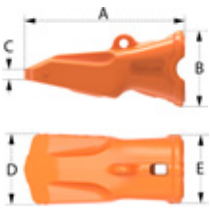

XAL

SL-lock

ML-lock

T-tool

Typical machine weight - Excavator	*120-200 MT*
Maximum breakout force in HD/XHD	*623 kN*
Typical machine weight - Face shovel	*120-300 MT*
Maximum breakout force in HD/XHD	*779 kN*
Typical machine weight - Loader	*>205 MT*
Maximum breakout force in HD/XHD	*1113 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	740010	127.0	100	102	760	226	364	457	274	30
BME	740012	118.0	100	102	760	226	364	457	274	30
BE	740014	142.0	120	123	814	226	394	498	294	30
BME	740015	135.0	120	123	814	226	394	498	294	30
CCE	740080	294,7	100-120	120	847	320	70	530	358	
TL	840026	128.0	100	103	774	226	465	273	281	30
MTL	840027	122.3	100	103	774	226	465	273	282	30
CM	740501	11.9		238	100	161				
CCM	740502	10,6		238	100	161				
AE	740110	65.0		521	262	34	210	238		
PE	740120	59.5		534	262	33	129	238		
AL	840110	74.0		531	262	34	208	238		
XAL	840111	87.0		543	262	34	201	238		
SL-lock	740301	1.9		200	75					
ML-lock*	740302	2.2		200						
T-tool	700700	1.2								

** Use a 19 mm socket wrench to mount and dismount the mechanical lock 740302.*

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W50 SPECIFICATIONS

Adapters, teeth and accessories

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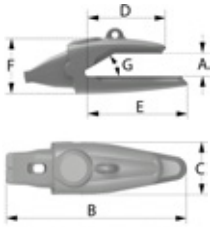
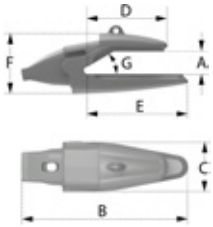
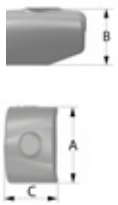


BE



BME



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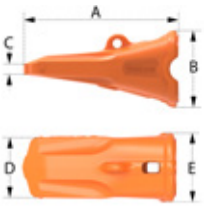

AE

ML-lock

Typical machine weight - Excavator	*180-250 MT*
Maximum breakout force in HD/XHD	*761 kN*
Typical machine weight - Face shovel	*180-360 MT*
Maximum breakout force in HD/XHD	*951 kN*

Type	Part. no	Weight kg	Lip thickness mm	A mm	B mm	C mm	D mm	E mm	F mm	Lip bevel angle°
BE	750010	170.5	120	123	831	248	394	498	301	30
BME	750012	159.5	120	123	831	248	394	498	301	30
CM	750501	16.5		261	110	181				
AE	750110	86.0		570	287	37	231	262		
ML-lock*	750302	3.0		220						

** Use a 19 mm socket wrench to mount and dismount the mechanical lock 750302.*

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EXCAVATOR
Adapters and teeth

ADAPTER

BE
Standard bottom leg adapter. Low profile design, improved flow of material in and out of bucket.

BME
Bottom leg adapter with a mechanical wear cap. The top of the adapter is well protected against excess wear.

CCE
Casted corner adapter with mechanical wear cap. The welded adapter is designed to withstand the toughest conditions.

WEAR CAP

CM
Mechanical wear cap protects the adapter top side in high abrasion and impact applications.

CCM
Mechanical wear cap to be used together with the casted corner adapter

TOOTH

AE
Abrasion tooth for highly abrasive soils and rocks such as granite, basalt and sandstone. The design provides maximal wear material with maintained good penetration.

PE
Penetration tooth with added body mass and narrow tip combines penetration with impact and abrasion resistance.

GPE
Standard tooth with slim design for optimal penetration and durability in general purpose applications.

WE
Penetration tooth for hard surface layers and compact terrain.

LOCK

SL
Standard lock provides easy and secure tooth replacement. The vulcanized rubber core provides a strong and tight fit.

ML
Mechanical lock for safer mounting and dismoiunting procedure

SML
Mechanical reusable lock for work in hot slag applications with safer mounting and dismounting

TOOL

T
Tool for mounting and dismounting the locking device. Simplifies the change of teeth and is recommended for safety reasons.

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LOADER
Adapters and teeth

Data Sheet ProClaws V.1 2019

ADAPTER

TL	MTL
Standard top leg adapter. Low profile design, improved flow of material in and out of bucket.	Top leg adapter with a mechanical wear cap. The top of the adapter is well protected against excess wear.

WEAR CAP

CM
Mechanical wear cap protects tha adepter top side in high abrasion and impact application.

LOCK

SL	ML	SML
Standard lock provides easy and secure tooth replacement. The vulcanized rubber core provides a strong and tight fit.	Mechanical lock for safer mounting and dismoiunting procedure.	Mechanical reusable lock for work in hot slag applications with safer mounting and dismounting.

TOOTH

AL	XAL	HAL
Standard tooth which offers good penetration. Optimal in both general and highly abrasive environments.	Abrasion tooth for highly abrasive soils and rocks such as granite, basalt and sandstone. The design provides maximal wear material with maintained good penetration.	Abrasion tooth with maximazed wear material in the tip. The design provides additional wear material with maintained good penetration.

TOOL

T
Tool for mounting and dismounting the locking device. Simplifies the change of teeth and is recommended for safety reasons.

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APPLICATION TABLE

APPLICATION TABLE Based on DIN 18300 ground classfication

Ground classification	Description of ground conditions	Working conditions	Application
Class 1 Top soil without stones	Top layer of soil.	Very little wear. Very little penetration resistance. No impact resistance.	GP
Class 2 Wet ground	Sludge, mud, peat.	Little wear. Very little penetration resistance. No impact resistance.	GP
Class 3 Light ground	Sand, fine gravel, sandy soil. Stone size up to approx. 60 mm	Moderate wear. Little penetration resistance. No impact resistance.	GP
Class 4 Moderately heavy ground	Very stony ground, gravel, stones. Stone size above 60 mm.	Considerable wear. Some penetration resistance. Moderate impact resistance.	GP / HD
Class 5 Dense, moderately heavy ground	Till, rigid clay, sand-clay mix, moraine, marl.	Considerable wear. Moderate penetration resistance. Little impact, some break through resistance.	HD
Class 6 Dense, heavy ground	Hard marl and clay, hard sandy ground, hard stony soil. Stone size up to approx. 200 mm.	Considerable wear. Considerable penetration resistance. Considerable impact and break through resistance.	HD
Class 7 Lighter rock	Loose rock, crumbled rock, slate. Very hard ground with stones, approx. 200 mm or bigger.	Usually considerable wear. Considerable penetration resistance. Considerable impact and break through resistance.	XHD
Class 8 Heavy rock	Blasted rock, size over 0,1 m^3.	Very significant wear. Considerable penetration resistance. Very significant impact and break through resistance.	XHD

For further information on welding, assembly and maintenance, see welding and assembly instructions.

Breakout force diagram – Backhoe

HD/XHD class 6-8	W50	761 kN
	W40	623 kN
	W30	506 kN
	W25	412 kN
	W20	326 kN
	W10	232 kN
	W09	168 kN

GP/HD class 1-5	W50	951 kN
	W40	779 kN
	W30	633 kN
	W25	515 kN
	W20	408 kN
	W10	290 kN
	W09	210 kN

Breakout force diagram – Face shovel

HD/XHD class 6-8	W50	951 kN
	W40	779 kN
	W30	633 kN
	W25	515 kN
	W20	408 kN

GP/HD class 1-5	W50	1188 kN
	W40	973 kN
	W30	791 kN
	W25	643 kN
	W20	509 kN

Breakout force diagram

HD/XHD class 6-8	W40	1113 kN
	W30	904 kN
	W25	736 kN

GP/HD class 1-5	W40	1390 kN
	W30	1130 kN
	W25	919 kN

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