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All names, reference numbers, symbols and descriptions are given for reference only and this is not to say that any listed part is a product of these manufacturers.

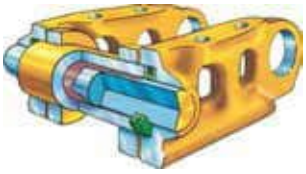
Link Assemblies

Steel Undercarriage

In the field of hydraulic excavators our product range includes link size B00 (90 mm Pitch) to B9 (260 mm Pitch). For bulldozers we stock link size D3 (155 mm Pitch) to D11 (317.5 mm Pitch).

Depending on the machine they are available as dry, greased or sealed and lubricated version.

Dry and sealed
Dry and sealed tracks are a cost-saving solution for any application. All components are quenched and tempered for best possible operating life.



Greased and sealed
Greased chains are recommended for machines with mid to high driving action during operation. The sealing keeps the grease layer inside the joint and prevents excessive internal wear.

Lubricated and sealed
A sealed and lubricated link is used on Track Loaders and Bulldozers that have a high driving content of operation. Each joint is sealed and lubricated to avoid internal wear. The oil rotates constantly inside the pin, thus, guarantees best possible lubrication at any given time.

We keep single, double and triple grouser shoes for all common applications in stock.

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Idlers and Sprockets

Steel Undercarriage

For each link assembly the corresponding idlers and sprockets respectively, segment groups can be supplied ex stock or on short notice.

Top- and bottom Rollers

High driving content
Amongst others, bulldozers account for machines used for driving application on site. Due to proportional high speed in addition to a lot of driving during the application, those rollers have a thicker contact surface as well as a different axle and lubrication.

For special needs rollers are manufactured in a heavy-duty version to resist great shifts of the load taken. This includes for example pavers or road milling machines.

Low driving content
Those machines are mainly crushers, pavers and hydraulic excavators. They are characterized by little movements while handling great load. Additionally, excavators are usually exposed to many shifts of the balance point during work which requires rollers that endure high loads. Due to this all excavator roller axles come with extended diameter.

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Rubber Pads

Steel Undercarriage

Preserving the underground using steel undercarriages, LIS® rubber pads offer easy applicable ways for converting your machine from steel to rubber.

LIS® rubber pads are available in four different versions:

PowerPad – Roadliner Pad
Roadliner rubber pads are a chain-on modification particularly used for excavators. The pad is bolted on to the chain replacing the steel grouser shoe.

Bolt-on-Pad
Bolt-on type rubber pads feature a firm connection of threads and rubber layer to mount them on the grouser shoes. Using bolt-on pads one benefits from the possibility of operating the machine with or without pads. For any machine being used in several different environments bolt-on pads add a certain flexibility.

Clip-on-Pad
This system is similar to the bolt-on without having its stability. This system is used for excavators that often have to work on different surfaces and where the rubber and steel are frequently switched. Here, the rubber pad is clipped onto the grouser shoe and bolted down afterwards.

SmartPad (Paver)
LIS® SmartPads are a modified bolt-on rubber pad. The use of those pads is especially recommended for asphalt paver and trencher. Each rubber pad is put onto pre-drilled grouser shoes and bolt together from the bottom. In addition to the very simple fixing procedure the system's huge advantage is the lack of drill holes on the rubber pad's upper side. This avoids pavement of plugging bolts and holes, so that a disassembly of the parts can be accomplished in less time.

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Rubber Pads

Steel Undercarriage

Advantages of the LIS® PowerPad

What happens if there will be cuts in the material?

This value is called “tear-growth resistance”. The higher the value, the higher is also the durability of the rubber.

LIS® PowerPad: 62 kN/m
Competitor A: 22 kN/m
Competitor B: 34 kN/m

How strong is the abrasion resistance?

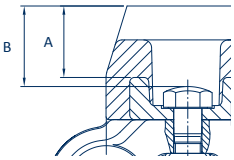
The abrasion resistance is measured on a, with sandpaper covered roll. The lower the rubber wear, the higher is abrasion resistance.

LIS® PowerPad: 89 mm³
Competitor A: 122 mm³
Competitor B: 120 mm³

Which pad can achieve the longest lifetime on the machine?

The rubber pad can be worn down until the steal core A is reached or in case of competitor B until the bolt head is reached. Because of the simple design of steal core A the bolt heads are reached already after only 37 mm.

LIS® PowerPad: 46 mm
Competitor A: 37 mm
Competitor B: 45 mm



LIS® PowerPad	Competitor A	Competitor B

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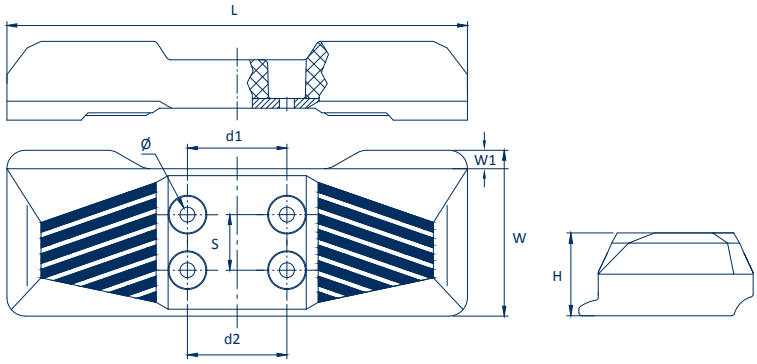
Rubber Pads

Steel Undercarriage

PowerPad – Roadliner Pad



Type	L	W	W1	H	Bolts	Ø	d1	d2	S	Pitch
MJJ230	230	80	–	32	2	12	–	–	–	96
MJJ300	300	95	–	45	4	12	144	116	22	101
MJJ300W	300	115	–	45	4	10	80	80	53	125
MJJ400	400	125	–	52	4	12	94	64	46	135
MJJ400A	400	125	–	52	4	12	100	73	43	135
MJJ400B	400	125	–	52	4	12	104	80	46	135
MJJ400D	400	125	–	52	4	12	110	80	46	135
MJJ400S	400	115	–	45	4	10	80	80	53	125
MJJ400W	400	125	–	52	4	12	86	86	52	140
MJJ400NS	400	125	–	52	4	12	80	80	53	140
MJJ450	450	146	–	52	4	14	89	73	57	154
MJJ450A	450	125	–	52	4	12	99	72	43	135
MJJ450B	450	146	–	52	4	14	90	90	46.30	154
MJJ450D	450	146	–	52	4	14	90	90	55	154
MJJ450G	450	146	–	56	4	14	89	89	57	154
MJJ450H	450	146	–	56	4	14	89	89	57	154
MJJ450P	450	146	–	52	4	14	73	73	57	154
MJJ450W	450	125	–	52	4	12	86	86	52	140
MJJ450NS	450	125	–	52	4	12	83	83	52	140
MJJ500	500	162	–	69	4	16	108	108	60	171
MJJ500A	500	162	–	100	4	16	102	86	57	175
MJJ500B	500	162	–	69	4	16	102	86	57	175
MJJ500D	500	178	–	72	4	20	156	119	69	190
MJJ500M	500	178	–	72	4	20	160	124	62	190
909037	500	162	20	100	4	17	108	108	60	171
MJJ600A	600	178	–	72	4	20	160	124	62	190
MJJ600B	600	178	–	72	4	18	160	124	62	190
MJJ600C	600	162	–	69	4	16	108	108	60	171
MJJ600D	600	178	–	72	4	20	156	119	69	190
MJJ600S	600	162	–	70	4	16	108	108	60	154
CW135	425	148	–	80	4	16	108	108	61	175

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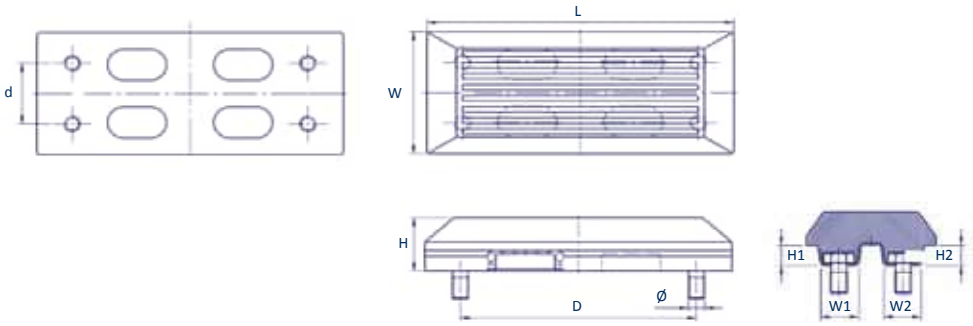
Rubber Pads

Steel Undercarriage

Bolt-on-Pad



Type	L	W	D	d	Bolts	Ø	H	H1	H2	W1	W2	Pitch
MG230	230	70	150	–	2	12	38	23	15	–	–	–
MG250	250	70	150	–	2	12	38	23	15	48	54	101.60
MG300	300	70	199	–	2	12	38	23	15	48	54	101.60
MG300A	300	106	200	43	4	12	38	24	14	–	–	–
MG300S	300	70	199	–	2	12	38	23	15	–	–	–
MG350	350	70	199	–	2	12	38	23	15	48	54	101.60
MG350B	350	105	220	46	4	12	38	25	11	36	42	–
MG350D	348	105	290	46	4	12	38	25	11	36	42	135.00
MG400B	400	105	300	46	4	12	38	25	11	36	42	135.00
MG400D	400	105	300	46	4	12	38	25	11	36	42	135.00
MG400G	400	105	300	46	4	12	45	28	18	31	37	135.00
MG400S	400	70	300	–	2	12	38	23	15	–	–	–
MG450A	446	105	350	46	4	12	38	25	11	36	42	135.00
MG450D	446	126	350	58	4	14	48	28	20	41	48	154.00
MG450B	446	126	350	58	4	14	48	28	20	41	48	154.00
MG450H	446	126	350	55	4	14	48	28	20	41	48	154.00
MG450FK	446	128	350	54	4	14	46	24	22	33	42	140.00
MG450G	446	105	350	46	4	12	45	28	18	31	37	–
MG475D	470	136	350	60	4	16	52	31	20	43	49	171.45
MG500	495	124	400	57	4	16	58	32	26	35	48	175.00
MG500A	495	138	400	60	4	16	52	33	19	44	49	171.45
MG500B	495	155	400	60	4	16	52	36	15	37	48	171.45
MG500D	495	126	400	60	4	16	56	47	19	37	49	171.45
MG500L	495	126	400	60	4	16	58	33	25	37	45	171.45
MG600	595	138	400	69	4	20	73	47	26	49	55	190.00
MG600B	595	140	400	60	4	16	58	32	26	43	54	171.45
MG600L	595	126	400	60	4	16	58	33	25	37	45	171.45
MG700K	695	148	500	69	4	20	69	42	26	48,5	48,5	190.00

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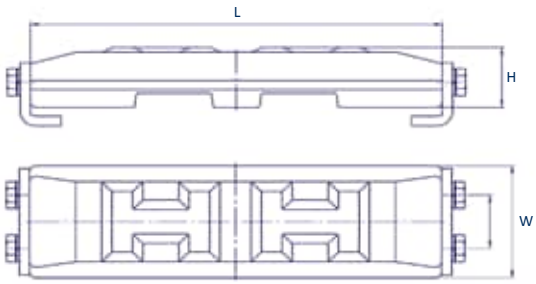
Rubber Pads

Steel Undercarriage

Clip-on-Pad



Type	Design	L	W	H	H1	W1	W2	M	E	Pitch
CLP250F	A	252	70	45	18	44	–	–	–	–
CLP300F	A	302	70	50	18	44	–	–	–	101.60
CLP300HC	A	302	97	58	17	29	83	9	16	–
CLP300HD	A	302	100	60	19	31	86	14	19	–
CLP320F	A	322	70	50	18	44	–	–	–	101.60
CLP350F	A	352	70	50	18	44	–	–	–	101.60
CLP350HD	B	340	104	58	16	36	–	9	13	–
CLP380	B	372	108	82	18	29	77	15	18	–
CLP400HD	A	402	100	60	19	31	86	14	19	135.00
CLP400HC	A	402	100	64	22	31	100	13	23	–
CLP450HD	A	452	100	60	19	31	86	14	19	135.00
CLP450HE	A	452	100	50	19	31	86	14	19	135.00
CLP450K	B	446	106	61	18	30	88	16	21	135.00
CLP450E	B	438	130	68	21	39	99	16	21	154.00
CLP500A	B	490	135	70	20	39	113	15	26	171.45
CLP500B	B	495	130	70	26	36	102	18	22	171.45
CLP500G	B	490	135	72	22	35	104	16	25	154.00
CLP500E	B	490	135	62	22	35	104	16	25	–
CLP500M	B	490	145	75	26	48	123	16	22	–
CLP500N	B	495	130	70	24	34	102	14	25	175.00
CLP500V	B	490	135	72	19	48	115	15	22	–
CLP550A	B	540	136	66	17	39	106	11	19	–
CLP550T	B	540	155	82	35	48	134	18	27	–
CLP550H	B	540	150	85	26	42	116	18	26	–
CLP600A	B	590	153	85	26	47	122	16	22	190.00
CLP600B	B	595	130	72	26	36	102	18	22	171.45
CLP600G	B	590	136	72	22	35	104	16	25	154.00
CLP600H	B	590	150	85	26	42	116	18	26	190.00

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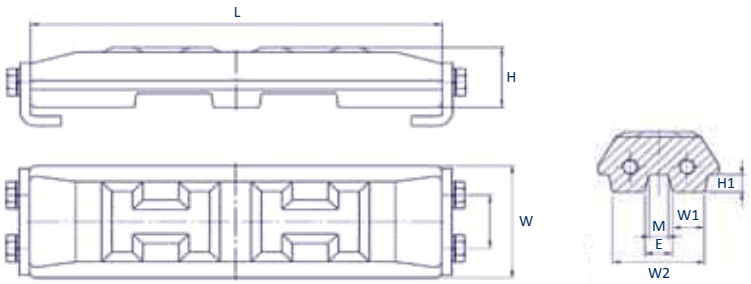
Rubber Pads

Steel Undercarriage

Clip-on-Pad



Type	Design	L	W	H	H1	W1	W2	M	E	Pitch
CLP600R	B	590	155	92	35	43	136	19	31	–
CLP600W	B	596	117	68	20	29	82	12	18	135.00
CLP600M	B	590	163	80	26	46	133	23	33	–
CLP600Z	B	590	153	85	26	37	122	27	39	–
CLP600AH	B	590	153	92	26	47	122	16	22	–
CLP700A	B	695	140	75	26	48	123	16	22	190.00
CLP700B	B	695	140	75	27	34	102	18	28	171.45
CLP700W	B	690	152	92	33	39	115	17	26	190.00
CLP700M	B	690	160	86	26	39	129	31	41	–
CLP700KPC	B	690	152	84	25	39	115	17	26	190.00
CLP700D	B	690	152	85	25	38	102	25	30	203.00
CLP800A	B	790	152	82	26	48	123	16	22	–
CLP800H	B	790	150	85	26	42	116	18	26	–

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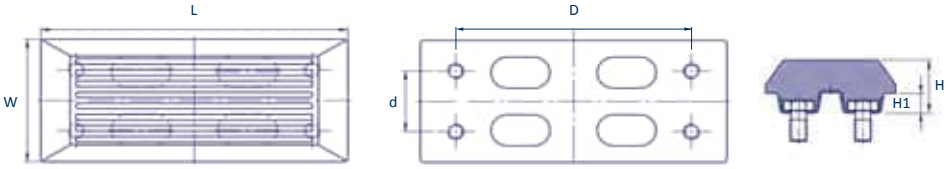
Rubber Pads

Steel Undercarriage

SmartPad (Paver)



Type	L	W	D	d	Bolts	Ø	H	H1
PMG260	258	118	190	53	4	12	48	30
LIS2003	300	130	220	45	4	12	48	30
PMG320	320	130	220	45	4	12	48	30
PMG250S	245	110	200	54	4	14	46	28
260T	255	110	200	54	4	14	48	30
PMG300S	295	130	220	57	4	14	58	35
PMG300AS	300	130	220	45	4	12	48	30
PMG320S	320	130	220	45	4	12	48	30
PMG350AS	345	130	270	60	4	14	55	30
PMG350BS	345	130	270	60	4	14	57	32
PMG400S	395	135	300	60	4	14	60	34
PMG300T	305	114	177	–	2	16	32	–
PMG350T	355	132	237	–	2	5/8"	32	–
PMG400T	455	132	305	–	2	3/4"	32	–

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Rubber Track

Undercarriages for Mini Excavators

LIS® rubber tracks combine several benefits in one product. Inside infinite torn steel ropes increase the track's tensile strength and trapezoid steel cores minimize its contact surface with the rollers. All cores are prepared for a long-lasting connection to the rubber mantling in a modern coating process.

On the outside an optimized rubber mixture is the basis for the track's outstanding resistance.

Thanks to a smaller split between the steel cores, short pitched tracks cause less vibration, thus optimize the machine's handling characteristics.

Our product portfolio includes rubber tracks starting at 180 mm width for micro machines with just several hundred kilograms weight up to 900 mm width for excavators of approx. 14-ton weight.

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Top- and bottom Rollers

Undercarriages for Mini Excavators

We also supply a wide range of Mini Excavator undercarriage parts. Due to the type of machine, rollers are procurable as inner or outer guided model. Also, a combination of both can be supplied.

The rollers are made of low-wear material and used at the bottom of the chassis for weight distribution on several chain points. The carrier roller on the upper chassis keeps the chain in position and prevents too much slack of the link.

Idlers and Sprockets

Mini, midi or compact excavators parts do not even slightly reach the level of standardization that is common for bigger machines.

B1, B3, B4 are classifications for bigger parts and excavators. Due to the lack of classification, for small machines there are a variety of shapes and sizes for idlers and sprockets.

Hence, we stock a vast product range covering the major manufacturers. As a result of our OEM business we do have a profound know-how when it comes to parts for mini, midi and compact excavators.

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LIS® system replacement for CAT

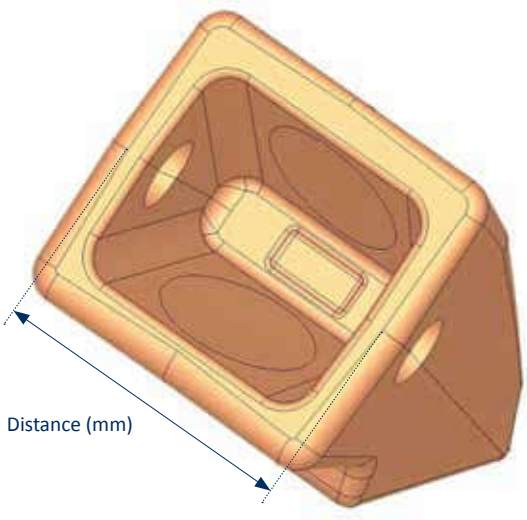
The Caterpillar J System has been marketed decades ago and is still mounted on many machines.

Using the LIS® replacement for Caterpillar J System will bring you into position of continues running your machines with excellent material at low cost.

The system is characterized by a tip which is retained on the side by a locking ring and a steel pin.

For identifying the J System's size take the scale between each side of the tip. Having the measurements will help you looking up the sizes in the following chart:

Size	Distance (mm)
J200	50
J225	60
J250	65
J300	75
J350	90
J400	100
J450	115 (Ø Pin 19)
J460	115 (Ø Pin 19)
J550	140
J600	150
J700	180



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LIS® system replacement for CAT

Ground Engaging Tools

Type	J200	J225	J250	J300	J350	J400	J450/ J460	J550	J600	J700
Short	–	–	1U3251 SX	1U3301 SX	1U3351 SX	–	9W8451 SF	–	–	–
Long	1U3202 SX	6Y3222 SX	1U3252 SX	1U3302 SX	1U3352 SX	7T3402 SX	1U3452 SX	1U3552 SX	6I6602 SX	4T4702 SX
HD-Long	–	–	9N4252 SX	9N4302 SX	9N4352 SX	8E4402 SX	9N4452 SX	9N4552 SF	–	–
HD-Abrasion	–	–	9N4253 SX	9N4303 SX	9N4353 SX	–	9N4453 SX	9W1553 SX	–	–
Rock- Penetrator	–	–	–	4T2303 RP2	4T2353 RP2	7T3402 RP3	9W1453 RP2/RP3	9W1553 RP2/RP3	–	4T4703 RP3
Penetration	1U3209 SX	–	–	9J4309 SX	9J4359 SX	–	9W8459 SF	9W8559 SF	–	–
Rock & Chisel	1U3202 RC	–	1U3252 RC	1U3302 RC	1U3352 RC	7T3402 RC	1U3452 RC	1U3552 RC	6I6602 RC	4T4702 RC
Tiger	9W8209 SX	–	9W8259 SX	9W8309 SX	9W2359 SX	6Y5409 SX	7T8459 SX	9W6559 SX	–	–
Twin Tiger	1358208 SF	–	1358258 SX	1359308 SX	1359357 SX	–	1010711 SX	1010712 SX	–	–
Paddle	1099200 SX	–	3G8250 SX	4T1300 SX	8J3350 SX	1073400 SX	8J1450 SX	–	–	–
Pin *Ø x length (mm)*	8E6208 *11 x 59*	6Y3228 *14 x 67*	8E6258 *14 x 79*	9J2308 *14 x 92*	8E6358 *19 x 108*	7T3408 *22 x 117*	4T1458 *19 x 133* 8E0468 *24 x 133*	6Y8558 *25 x 162*	6I6608 *29 x 194*	9U9616 *32 x 195*
Retainer *Ø outside (mm)*	8E6209 *22*	8E6259 *30*	8E6259 *30*	8E6259 *30*	8E6359 *39*	8E8409 *43*	3G9549 *32* 8E8469 *44*	8E5559 *52*	6I6609 *59*	4T4707 *64*

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LIS® system replacement for CAT

Ground Engaging Tools

Type	J200	J225	J250	J300	J350	J400	J450/ J460	J550	J600	J700
Blade (mm)	20/25	22	25/30	30	40	45	50	60	70	75
Flush mount	4T1204 SX	–	1U1254 SX	1U1304 SX	1U1354 SX	–	8E0464 SX	–	–	–
Bottom Strap	8J7525 SX	–	3G0169 SF	–	–	–	–	–	–	–
Double strap	1193204 SX	–	–	–	–	–	–	–	6I6604 SX	–
Double strap	1193204 SX	6Y3224 SX	6Y3254 SX	3G6304 SX	3G8354 SX	7T3404 SX	8E6464 SX	6I6554 SX	–	–
Bolt on T1	–	–	1U0257 SX	4T4307 SX	3G3357 SX	–	–	–	–	–
Corner Guard	–	–	3G4258 SX 3G4259 SX	3G4308 SX 3G4309 SX	–	–	–	–	–	–
Pin *Ø x length (mm)*	8E6208 *11 x 59*	6Y3228 *14 x 67*	8E6258 *14 x 79*	9J2308 *14 x 92*	8E6358 *19 x 108*	7T3408 *22 x 117*	4T1458 *19 x 133* 8E0468 *24 x 133*	6Y8558 *25 x 162*	6I6608 *29 x 194*	9U9616 *32 x 196*
Retainer *Ø outside (mm)*	8E6209 *22*	8E6259 *30*	8E6259 *30*	8E6259 *30*	8E6359 *39*	8E8409 *43*	3G9549 *32* 8E8469 *44*	8E5559 *52*	6I6609 *59*	4T4707 *64*

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LIS® system replacement for BOFORS B-Lock

For BOFORS ground engaging tools we offer our LIS® system as a replacement for BOFORS B-Lock.

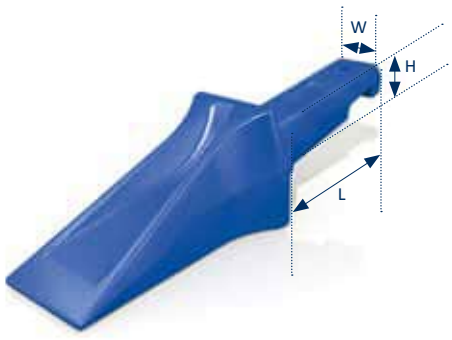
You can recognize the B-Lock system by its plug-in tip which is locked from the side.

After plugging a B-Lock tip into an adapter case the tip is retained by a rectangular steel wedge with rubber core.

The notch to put the wedge through can be located either at the top or the bottom of the tip's leg.

To figure out the right size have a look at the following table:

Size	Tips for 1-piece adapter		
	L (mm)	W (mm)	H (mm)
B0	93	32	36
B1	118	37	44
B2	145	48	54
B3	160	53	59
B4	197	47	70
B5	250	80	100



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LIS® system replacement for BOFORS B-Lock

Ground Engaging Tools

Type	B0	B1	B2	B3	B4	B5
Blade (mm)	25	30	35	40	60	75
Excavator	–	SF4044336 (031 101)	SF4044428 (032 102)	SF3031334 (033 101)	SF3031335 (034 101)	SF3031336 (035 101)
Excavator	SF4046818 (030 104)	–	–	–	–	–
Clam shell	–	SF4044388 (031 103)	–	–	–	–
Loader	SF4046815 (030 101)	SF4046796 (031 102)	SF3032680 (032 101)	SF3027705 (033 102)	SF3031197 (034 102)	–
Adapter	SF4046816 (031 006)	SF4046797 (031 004)	SF4046819 (032 004)	SF4046862 (033 004)	SF4044339 (034 004)	–
Retainer *Length x width (mm)*	SF6254673 (030 201) *60 x 28*	SF6254675 (031 201) *73 x 33*	SF6254677 (032 201) *86 x 35*	SF6254682 (033 201) *95 x 40*	SF6254679 (035 201) *120 x 48*	SF6254679 (035 201) *120 x 48*

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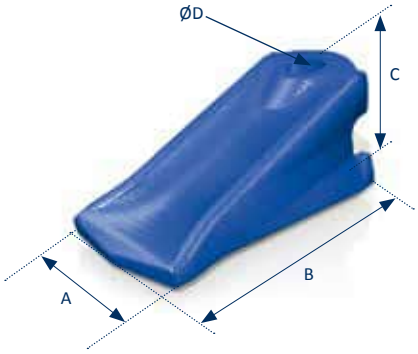
LIS® system replacement for UNI-Z

Helpful for an optical identification of the UNI-Z system is the tip's beaked design combined with the cut outs on both sides, as well as the vertical locking device.

Besides, the customer is able to identify the system using the following measurements.

Size	A (mm)	B (mm)	C (mm)	D (mm)
Z1	64	128	54	18
Z2	72	157	68	20
Z3	88	208	75	22
Z4	110	231	88	30
Z5	125	312	113	35



Type	Uni-Z 1	Uni-Z 2	Uni-Z 3
Tip	SX1	SX2	SX3
Adapter	SX1A	SX2A	SX3A
Retainer *Ø x length (mm)*	SX1P *14 x 50*	SX2P *16 x 65*	SX3P *18 x 75*

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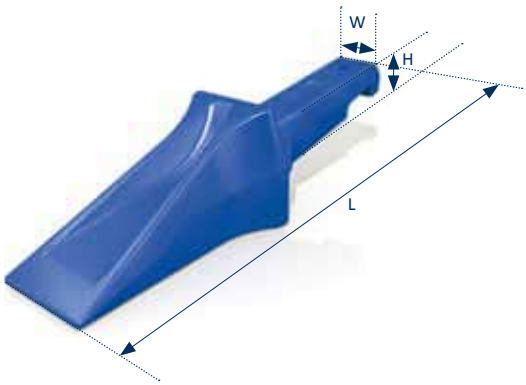
LIS® system replacement for LEHNHOFF

Ground Engaging Tools

All LEHNHOFF replacements made by LIS® guarantee a solid, valuable alternative for machines in the compact segment.

The system is available in two different styles. The first one is retained by plugging the tip into an adapter case and banking a punched plate. The other is locked by tightening the punched plate using a screw locking.

You find styles and sizes below:



Item no.	Type	H (mm)	W (mm)	L (mm)	Leg (mm)
SF301B	1	35	30	227	100
SF404F	2	23	30	160	65
SF400F	2	33	35	212	80
SF411B	2	33	35	235	80

Backhoe	–	SF301B	–
Clam shell	–	SX300	–
Loader	SF404F	SF400F	SF411B
Adapter	SX04	SF411C	SF411C
Plate	–	SF11S	SF11S
Screw lock	SF1005	SF1012	SF1012

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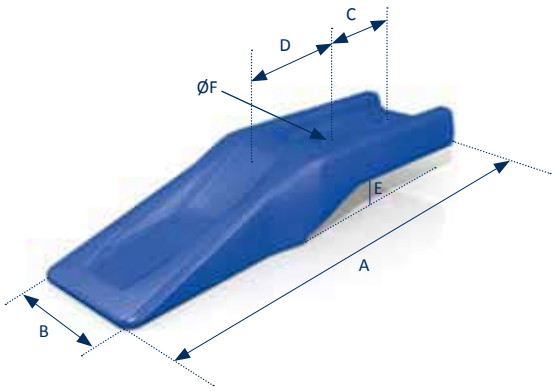
LIS® system mini tips

Ground Engaging Tools

LIS® mini tips fit mini and midi excavators of all popular manufacturers.

Mini teeth are mainly characterized by a bolt locking device with the exception of one weld-on tip in our portfolio.



	Item no.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	ØF (mm)	Bolts
	SF100	190	43	40–45	37	16.9	13.5	M12/45 M12
	SX100DLL	190	43	40–50	37–42	19	13	M12/45 M12
	SX105	180	50	40–45	40	15	13	M12/45Sik M12
	SX108L	210	57	55–60	42	20	17	M16/50SKIMB M16
	69741-6611-1	214	42	55	36	17	17	M14/50 M14
	SF20.10	222	53	55	42	22	16	M16/50 M16
	6Y6335	273	63	75	51	22	17	4F3656 4K0367
	GAZ5-8SF	275	61	72	47	22	18	M16/60 M16
	SX88	260	41	45	55	20	20	5J4771 2J3506
	SX89 (l.) **SX90 (r.)**	260	41	45	55	20	20	5J4771 2J3506
	SF101	180	50	85	–	15	–	Weld-on tip

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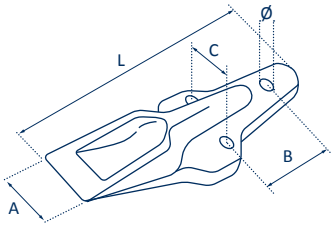
LIS® system clam shell

Ground Engaging Tools

Bolt on Tips



Item no.	Bolts/ Nuts	L (mm)	A (mm)	B (mm)	C (mm)	Ø (mm)	Machine
SF1218797	M20 M20/60	335	70	90	70	21	Atlas 1218797
SF9169430	M16 M16/60	330	80	140	80	18	Liebherr 9169430 Peiner 08030173
GRZ3-7	M16 M16/50 SKIM	153	23	40	–	10	–
GRZ6-9	M10	153	23	40	–	10	–

Weld on Tips

Item no.	Width (mm)	Height (mm)	Depth (mm)	Machine
LIS7754 	180	120	65	Terex|Fuchs HDMS 04 HDMS 05 HDMS 06
LIS1712 	154	127	67	Liebherr SL 50,55, 60, 60B, 64, 65, 69, 70, 70B, 70C, 72

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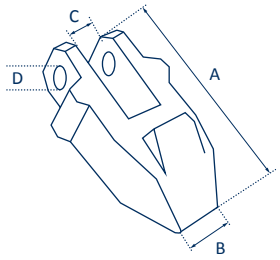
LIS® system clam shell

Pulverizer Tips

Our range of Pulverizer tips include replacement tips suitable for Atlas Copco, Verachtert and Caterpillar models.



Item no.	Reference	A (mm)	B (mm)	C (mm)	D (mm)	Machine
L933	3363069933	247	52	50	25,5	–
L931	3363069931	293,5	62	70	25,5	–
L963	3363098963	320	70	90,3	25,5	–
VE0383	169-0383	225	54	44	28	MP15 VT30
VE3089	169-3089 280-9200 602205	260	60	54	26	MP20/30 P115/120 VT40/50
3913716	–	393	20	52	32	MP15/30 VT30/40/50

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Attachments

Ground Engaging Tools

The range of ground engaging tools is rounded off by beveled blades, end bits and cutting edges. This allows your bucket to be optimally tailored to your specific needs.

Cutlery Steel Bars

From 250HB to 500HB we can offer one- or two-phase beveled blade in a variety of sizes. If necessary, we also produce tailor-made desired sizes.

As a rule, we supply our beveled blade in 3 m length, on request you can of course also get 6 m length.

The following table provides an excerpt of our delivery program.

HB500	Width (mm)	Thickness (mm)	Weight kg/m
MS110.12.HB500	110	12	9.6
MS150.16.HB500	150	16	18.3
MS150.20.HB500	150	20	22.1
MS200.20.HB500	200	20	29.1
MS200.25.HB500	200	25	36.7
MS250.25.HB500	250	25	45.8
MS250.30.HB500	250	30	57.6
MS300.30.HB500	300	30	66.6
MS300.35.HB500	300	35	79.1
MS300.40.HB500	300	40	90.4
MS400.45.HB500	400	45	132.6
MS400.50.HB500	400	50	148.6

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Attachments

Ground Engaging Tools

Wear blade

To extend the service life of your bucket, our wear blade with 500HB hardness is suitable.

Item no.	Width (mm)	Thickness (mm)	Length (mm)	Weight kg/m
VS08103	80	10	3000	7.0
VS10103	100	10	3000	8.6
VS10153	100	15	3000	12.5
VS12203	120	20	3000	19.2
VS13153	130	15	3000	21.0
VS18203	180	20	3000	28

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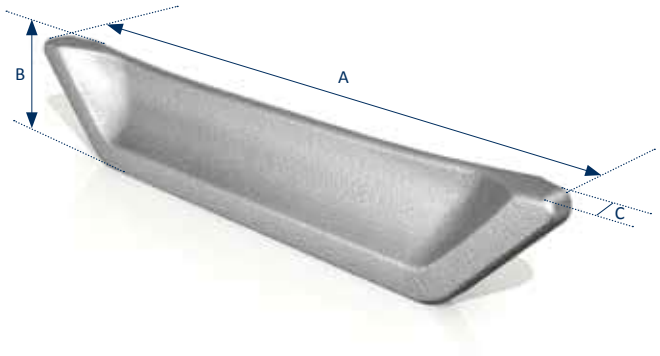
Attachments

Ground Engaging Tools

Side Cutters

Our side cutters are suitable in standard dimensions to reinforce the bucket sides.

They can be fit on all common buckets.



Item no.	A (mm)	B (mm)	C (mm)
10150LS	305	55	15
10151LS	450	70	23
10153LS	506	76	25
10154LS	620	95	32
10155LS	675	90	35

Buckets

You don't just want to have individual components, but a completely new bucket? Please contact us!

We offer you the possibility to procure complete excavator bucket with the respective desired equipment. Give us your application or desired configuration and have your bucket delivered directly to you.

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Bolts

Ground Engaging Tools

Ø-Thread	5/8" (15.9 mm)	3/4" (19.1 mm)	7/8" (22.2 mm)	1" (25.4 mm)	1 ¼" (31.8 mm)
Length					
1 ½" (38.1 mm)	4F3664	–	–	–	–
1 ¾" (44.5 mm)	4F3653	–	–	–	–
2" (50.8 mm)	4F3654	4F3672	–	–	–
2 ¼" (57.2 mm)	3F5108	4F7827	–	–	–
2 ½" (63.5 mm)	4F3656	5J4773	5J4772	3J2801	–
2 ¾" (69.9 mm)	4F3657	5J4771	6F0196	1J5607	–
3" (76.2 mm)	4F3658	4F0138	5J2409	4F4042	–
3 ¼" (82.6 mm)	PB5/8*3 ¼	PB3/4*3 ¼	8J2935	4J9058	8T9079
3 ½" (88.9 mm)	4F3665	PB3/4*3 ½	2J2548	4J9208	–
3 ¾" (95.3 mm)	4F0391	5F8933	PB7/8*3 ¾	1J4948	6V6535
4" (101,6 mm)	PB5/8*4	–	PB7/8*4	5P8136	–
4 1/8" (104.6 mm)	–	–	–	–	5P8823
4 ¼" (108.0 mm)	–	1J0962	2J5458	–	–
4 ½" (114.3 mm)	–	4F0253	PB7/8*2 ½	1J3527	6V8360
4 ⅝" (117.2 mm)	–	1J6761	1J0849	–	–
5" (127.0 mm)	4F3671	–	–	1J2034	5P8361
5 ¼" (133.3 mm)	–	–	–	1J4947	–
Nut	4K0367	2J3506	2J3505	2J3507	3K9770
Nut, conical	–	–	–	8J2933	5P8362
Washer	5P8247	5P8248	5P8249	5P8250	4K0684
Lock Washer	3B4510	3B4512	3B4514	3B4516	3B4520

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Spare parts

Not only the undercarriage and the ground engaging tools are subject to enormous wear on your construction machine. Also, the general wear parts such as engine parts, filters, bolts, bushings, as well as other spare parts suitable for Caterpillar, Komatsu and Volvo and other construction machines are available from stock or on short notice.

Track adjuster and Roller guards

Also available from us for you: Track adjuster and roller guards according to original specifications for fit-fit seat. In the usual tested LIS ® quality, you increase the life of the undercarriage with optimal protection for your rollers.

Final Drives

The final drives of FDC impress with their high-power density and a fair price/performance Relationship.
The high-quality standards allow the final drive an extended service life.

As an exclusive dealer for Germany, we offer you the shortest delivery times for your final drive.

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Warranty

LIS® Spare parts

For all spare parts LIS® warrants an error-free operation for 6 months from the date of purchase.

LIS® Undercarriages

For undercarriages LIS® issues a warranty of 12 months or 1,500 operating hours.

LIS® Rubber tracks Excavator

For rubber tracks to 485 mm width LIS® issues a warranty of 18 months or 1,500 operating hours.

For rubber tracks from 500 mm width LIS® issues a warranty of 18 months or 1,000 operating hours.

LIS® Rubber tracks Dumper

For dumper rubber tracks LIS® issues a warranty of 12 months or 1,000 operating hours. Operating the machine on soft ground is precedent to recovery.

Rubber tracks are warranted on the following schedule:

a. 0–250 working hours: 100% replacement
b. 251–500 working hours: 75% replacement
c. 501–750 operating hours: working hours: 50% replacement
d. 751–1,000 working hours: 25% replacement

LIS® Rubber Pads

For rubber pads LIS® issues a warranty of 18 months from the manufacturing date respectively 12 months or 1,000 operating hours from the date of installation.

LIS® Ground Engaging Tools

Ground Engaging Tools are subject to a life-time warranty against breakage.
The warranty is restricted to faulty workmanship but not to wear caused by normal usage.
The customer has to return the damaged product to a LIS® dealer close-by or to the LIS® central warehouse. Additionally, he has to pay the costs of the transport.
After inspection and evaluation, LIS® will repair, replace or credit the product.
In no event shall LIS® be liable for consequential or special damages for breach of the above warranties or of any other warranty which may be implied by law.

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