

Hydraulic Breaker XB Series

XB/iS Series – the Intelligent Breaker

The hydraulic breakers in the XB/iS Series are a perfect blend of strength and durability. Their intelligent hydraulic system automatically adjusts stroke frequency and impact for the material being demolished. The XB/iS Series is available for carriers from 0.6 tons to 120 tons. All the XB/iS breakers feature the highly productive, reliable and very quiet »Intelligent / SuperSilenced« system.



All the hydraulic breakers in the XB/iS Series are equipped with an intelligent hydraulic system. This system automatically adjusts stroke frequency and impact according to the material being demolished, thus maximizing productivity while minimizing wear and tear of both breaker and carrier.



Multiple possible applications:

- Demolition and recycling
- Quarrie operations
- Road work
- Gardening and landscaping
- Under water working
- Tunnel construction
- Canalisation
- Steelworks

Product overview:

- excellent efficiency
- perfect power-to-weight ratio
- great reliability
- considerably reduced vibration
- built to last
- greatly reduced noise emission level
- low maintenance costs

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The small hydraulic breakers

These really compact, hydraulic breakers are remarkably quiet and efficient. They are very capable of carrying out special tasks in road construction, demolition and recycling.

The small hydraulic breakers Series XB/iS are highly productive with mini-excavators and small mobile excavators. They are perfectly designed for gardening, landscaping and road construction

work, as well as for use in foundries, whereby they can also be used as stationary tools. The XB/iS breakers are fitted with a full shock absorber system and the models from XB 450 iS on are fitted with exchangeable damper plates.



Model	XB	075 iS	110 iS	175 iS	250 iS	340 iS	400 iS	450 iS
Carrier weight	[t]	0,6 - 2,5	0,7 - 3	1,4 - 5	1,7 - 6,5	3 - 8	3,5 - 10,5	4 - 12
Operating weight	[kg]	70	110	165	240	350	400	450
Total height	[mm]	1100	1130	1320	1420	1480	1550	1690
Chisel tool diameter	[mm]	40	45	48	56	65	75	80
Oil flow	[l/min]	12 - 25	15 - 40	25 - 45	30 - 60	50 - 80	50 - 80	60 - 90
Operating pressure	[bar]							
- Breaker		105 - 115	105 - 125	105 - 125	105 - 125	105 - 125	105 - 130	105 - 130
- Carrier (min)		110	160	160	160	160	170	170
Back pressure (max.)	[bar]	15	11	11	12	19	11	12
Stroke force	[joule]	150	200	240	440	610	720	830
Stroke rate	[n/min]	1000-1300	540-2040	700-1800	540-1540	660-1370	600-1340	620-1500

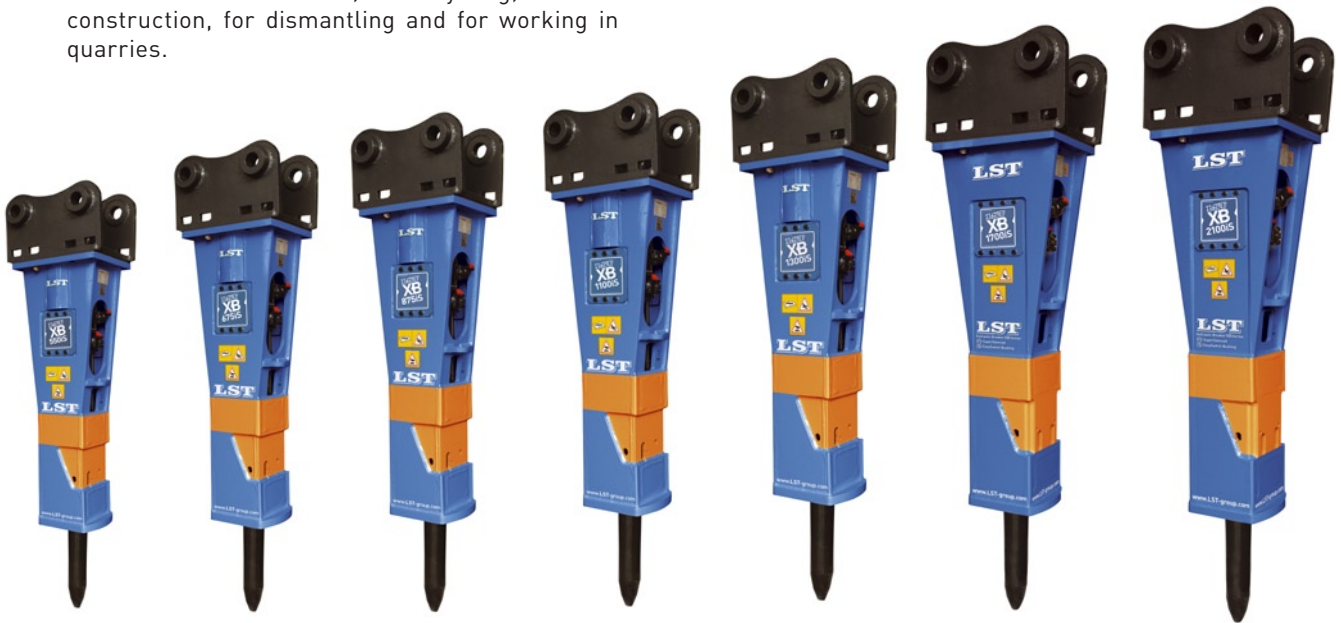
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Medium-sized hydraulic breakers

The medium-sized hydraulic breakers have proven to be reliable and enduring partners even under the most difficult conditions.

Their excellent power-to-weight ratio, intelligent hydraulic system and slim design make the medium-sized hydraulic breakers perfect for demolition in residential areas, for recycling, for road construction, for dismantling and for working in quarries.

The hydraulic breakers in the XB/iS Series feature a dual shock absorption system, a vibration-decoupled body and a dynamic oil film system. This maximizes power output thus achieving highest possible productivity and minimizing wear and tear.



Model	XB	550 iS	675 iS	875 iS	1100 iS	1300 iS	1700 iS	2100 iS
Carrier weight	[t]	5 - 14	6,5 - 16	10 - 20	12 - 22	15 - 25	16 - 28	19 - 32
Operating weight	[kg]	540	670	870	1050	1280	1600	2000
Total height	[mm]	1820	1940	2100	2290	2440	2560	2850
Chisel tool diameter	[mm]	90	90	110	115	120	130	140
Oil flow	[l/min]	70 - 100	70 - 105	80 - 125	85 - 130	110 - 150	125 - 160	145 - 180
Operating pressure	[bar]							
- Breaker		105 - 130	105 - 130	115 - 140	115 - 140	115 - 140	115 - 140	125 - 150
- Carrier (min)		170	170	180	180	180	180	200
Back pressure (max.)	[bar]	11	8,5	10	8	8	7	8
Stroke force	[joule]	1060	1490	1720	2000	2440	3320	4370
Stroke rate	[n/min]	570 - 1180	450 - 980	420 - 1000	440 - 1060	460 - 940	400 - 870	360 - 870

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The „big ones» – large breakers

All the hydraulic breakers from model XB 675 iS on are equipped with an under-water connector, exchangeable shock absorber plates and »Auto-Lub«, our automatic greasing system. With these features the XB/iS Series hydraulic breakers are relentless workers capable of working permanently overhead in tunnels, under water, in canalisation or in steelworks.

The »big ones« show impressive productivity and reliability up to the XB 7900 iS, which is the world's largest intelligent hydraulic breaker.

We combined maximum power with effective technology to produce the ultimate breaking tool for rock-breaking in quarries and primary demolition as well as tunnelling and road construction.

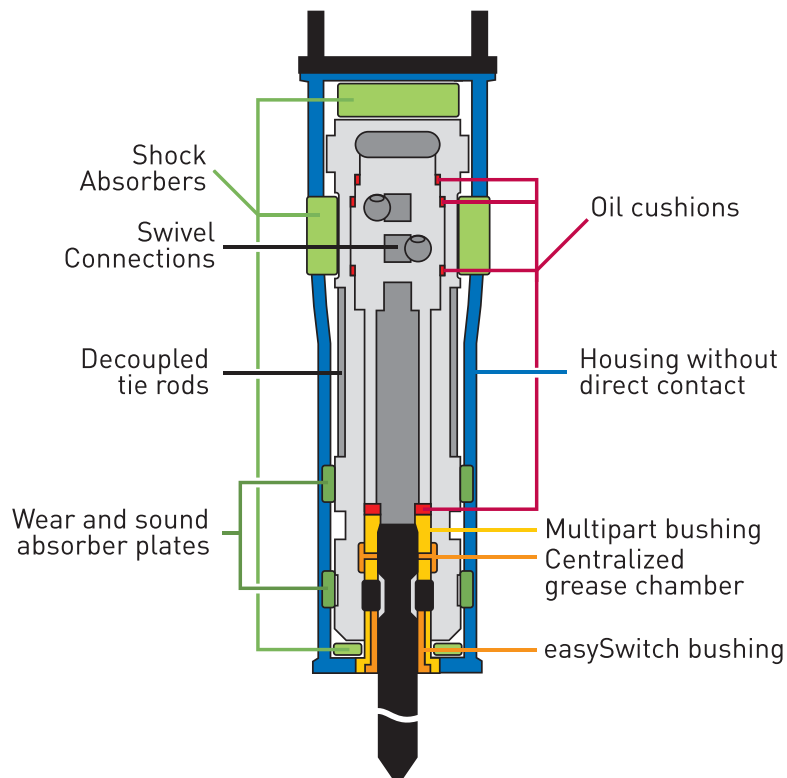


Technische Daten	XB	2300 iS	2700 iS	3100 iS	4100 iS	5100 iS	7900 iS
Carrier weight	[t]	21 - 38	23 - 42	27 - 50	32 - 63	39 - 80	45 - 120
Operating weight	[kg]	2250	2550	3100	4000	5100	7900
Total height	[mm]	2920	2950	3340	3610	3780	4000
Chisel tool diameter	[mm]	145	150	160	180	195	215
Oil flow	[l/min]	160 - 200	180 - 230	190 - 265	250 - 305	290 - 355	325 - 420
Operating pressure	[bar]						
- Breaker		130 - 160	130 - 160	130 - 160	140 - 165	140 - 165	140 - 180
- Carrier (min)		210	210	210	210	210	230
Back pressure (max.)	[bar]	7	8	7	8,5	8	9
Stroke force	[joule]	5160	6080	7990	10350	14120	18930
Stroke rate	[n/min]	370 - 760	340 - 820	300 - 670	310 - 580	270 - 540	240 - 550

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The advantages at a glance

- Maximum productivity through an intelligent hydraulic system
- Completely enclosed and vibration-decoupled body. Compact, slim design.
- Easy maintenance due to high-end technology with a closed oil system and very few seals
- Great reliability and little wear and tear owing to numerous dampers
- Easily exchangeable lower bushing »EasySwitch«, different kinds available (i.e. heavy duty)
- Under water use, »AutoLub« automatic greasing system, professional dust protection and optional boom mount optionally available.



Chisel Tools

Moil point tool

Suitable for breaking concrete or medium-hard, non-stratified rock.



Chisel tool

Suitable for breaking concrete and all earth works in soft, non-stratified rock.



Blunt tool

Suitable for breaking rocks of any hardness or to reduce size of rubble.



Pyramidal point tool

Suitable for breaking hard reinforced concrete as well as sedimentation material.



COBRA tool

Suitable for breaking all types of concrete and mediumhard or hard, non-stratified rock.



Shovel-shaped tool

Suitable for working in frozen ground, concrete, bitumen or schist as well as excavation.



Pile driver tool

Suitable for small breakers to drive piles in the ground, eg. for guardrails.



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Technical perfection

The XB/iS Series meets professional requirements and is optimised to facilitate minimum downtimes and maximum productivity.

- The body is insulated against vibrations and noise. Numerous dampers and cushions as well as vibration insulated side bolts enhance the durability of the breaker and the carrier.
- Robust multi-part bushing, lower bushing is easily replaceable (»easySwitch«)
- Oil cushion for shock absorption and damping of low-frequency vibrations.
- High-Quality production and design lower-maintenance costs and downtimes

