Mobile Scrap Shears with rotation DXS

The DXS Mobile Shear with its 360° rotation has been engineered to achieve an optimal power to weight ratio. This robust tool can be used for a wide variety of jobs including steel structural demolition, scrap yards, conditioning of industrial mixed scrap and even processing steel-reinforced concrete.

- ▷ **25% more power and fast cycle times** thanks to DemaPower 2.0.
- ▷ **Protected cylinder, robust shear arm.**
- ▷ **Heavy duty bearings** for reduced bushing wear – without allowance.
- ▷ Very high cutting force: **optimal power to weight ratio.** Robust mouth.
- ▷ Optimal mouth design with **large opening for scrap.**
- ▷ **More cutting force** by displaced angles of the two cutting blades.
- ▷ **All wear cutting blades can be turned three times.**
- ▷ **Exchangeable, weldable piercing tip.**
- ▷ With **integrated OQ80/4 adapter (version FQC)** available.
- ▷ Shear without rotation (version C) on request.

Mobile Schrottschere DXS mit 360°-Rotation

Type	Weight* (kg/lbs)	Length A (mm/in)	Opening B (mm/in)	Jaw depth C (mm/in)	Primary cutter length (mm/in)	Cutting force** (kN/lbf)	Operating weight (boom) (t/lbs)	Operating weight (dipper) (t/lbs)
DXS-40-A	3,200 / 7,040	2,995 / 117.9	630 / 24.8	665 / 26.2	225/330 / 8.8/12.9	8,200 / 1,804,000	18 - 25 / 39,600 - 55,000	25 - 40 / 55,000 - 88,000
DXS-40-FQC	3,425 / 7,535	3,365 / 132.5	630 / 24.8	665 / 26.2	225/330 / 8.8/12.9	8,200 / 1,804,000	18 - 25 / 39,600 - 55,000	-
DXS-50-A	4,500 / 9,900	3,280 / 129.1	730 / 28.7	780 / 30.7	250/380 / 9.8/14.9	10,000 / 2,200,000	25 - 35 / 55,000 - 77,000	35 - 50 / 77,000 - 110,000
DXS-50-FQC	4,630 / 10,186	3,650 / 143.7	730 / 28.7	780 / 30.7	250/380 / 9.8/14.9	10,000 / 2,200,000	25 - 35 / 55,000 - 77,000	-
DXS-60-A	5,800 / 12,760	3,520 / 138.6	820 / 32.3	835 / 32.9	275/380 / 10.8/14.9	11,500 / 2,530,000	32 - 50 / 66,000 - 110,000	50 - 70 / 110,000 - 154,000
DXS-60-FQC	5,900 / 12,980	3,840 / 151.2	820 / 32.3	835 / 32.9	275/380 / 10.8/14.9	11,500 / 2,530,000	32 - 50 / 66,000 - 110,000	-

* excl. adapter ** cutting force calculated at throat

Hydraulics

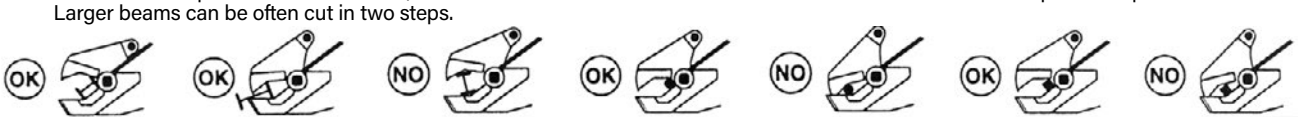
Type	Open / close Pressure max. (bar/psi)	Open / close Flow (l/min/GPM)	Rotation (bar)	Rotation (l/min/GPM)	Back pressure (back pressure) (bar)	Cycle times open/close (sec)
DXS-40	**380 / 5,510**	200 - max. 300 / 53 - max. 79.5	**140 / 2,030**	40 - 60 / 10.5 - 16	-	3.2 / 3.3
DXS-50	**380 / 5,510**	300 - max. 400 / 79.5 - max. 105	**140 / 2,030**	40 - 60 / 10.5 - 16	-	2.7 / 3.7
DXS-60	**380 / 5,510**	400 - max. 500 / 105 - max. 132	**200 / 2,880**	60 / 16	10 (drain line required)	3.0 / 3.8

Steel profiles / allowed maximum sizes

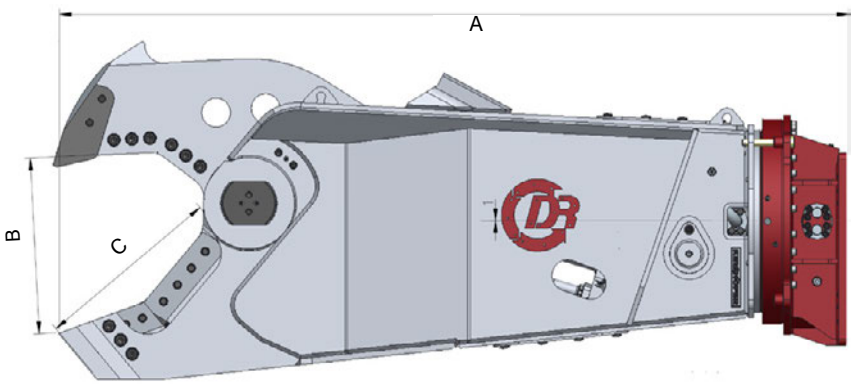
Type	DXS-40	DXS-50	DXS-60
H-beam narrow/medium/wide	HEA 400 / HEB 300 / HEM 140	HEA 500 / HEB 360 / HEM 160	HEA 600 / HEB 400 / HEM 180
I-beam narrow/medium	IPE 550 / INP 450	IPE 600 / INP 500	IPE 700 / INP 550
L-angles (mm/in)	250 x 250 x 25 / 9.8 x 9.8 x 0.98	300 x 300 x 25 / 11.8 x 11.8 x 0.98	300 x 300 x 30 / 11.8 x 11.8 x 1.18
Solid round (mm/in)	90 / 3.5	95 / 3.7	100 / 3.9
Solid square (mm/in)	80 / 3.1	85 / 3.3	90 / 3.5
Piercing plate (mm/in)	25 / 0.9	25 / 0.9	30 / 1.2
Pipe x wall (mm/in)	406 x 9,5 / 15.9 x 0.37	457 x 9,5 / 17.9 x 0.37	559 x 9,5 / 22 x 0.37

Dimensions: standardized wide flange beams (HEA, HEB, HEM) and section steel (IPE, INP) according to DIN EN 10 034 or cross section / sheet thickness in mm/in

Note: The capability to cut the above profiles assumes the tensile strength of the steel 370 N/mm² as well as the shear operating pressure of 350bar/5040psi. In borderline cases, we recommend an actual test cut is made to determine whether the profile in question can be cut. Larger beams can be often cut in two steps.



Technical drawing



Mobile Scrap Shear with 360° rotation up to 90t / *198,000lbs* DXS

The Kinshofer DXS Mobile Shear with its 360° rotation has been engineered to achieve an optimal power to weight ratio. This robust tool can be used for a wide variety of jobs including steel structural demolition, scrap yards, conditioning of industrial mixed scrap and even processing steel-reinforced concrete.

Also available as C-version without rotation.

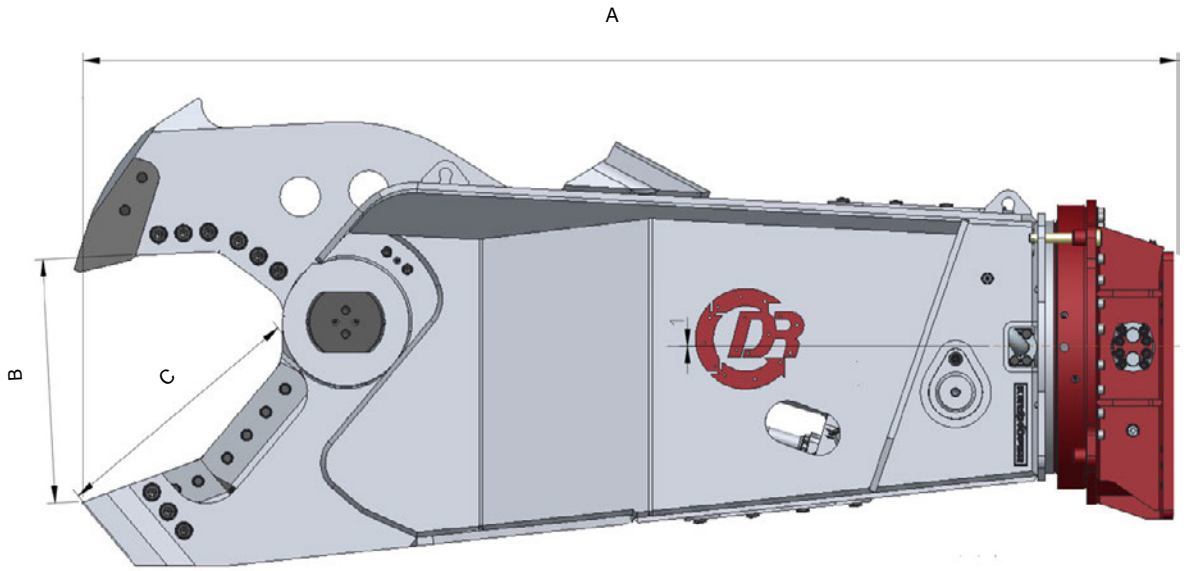
- **25% more power and fast cycle times** thanks to DemaPower 2.0.
- **Protected cylinder, robust shear arm.**
- **Heavy duty bearings** for reduced bushing wear – without allowance.
- Very high cutting force: **optimal power to weight ratio.** Robust mouth.
- Optimal mouth design with **large opening for scrap.**
- **More cutting force** by displaced angles of the two cutting blades.
- **All wear cutting blades can be turned three times.**
- **Exchangeable, weldable piercing tip.**
- With **integrated OQ80/4 adapter (version FQC)** available.

Mobile Scrap Shear DXS with 360° rotation

Type	Weight* (kg/lbs)	Total length A (mm/in)	Jaw opening B (mm/in)	Jaw depth C (mm/in)	Jaw width lower / upper (mm/in)	Cutting force** (kN/lbf)	Operating weight (boom) (t/lbs)	Operating weight (dipper) (t/lbs)
DXS-50-A	4,500 / 9,900	3,280 / 129.1	730 / 28.7	780 / 30.7	450/150 / 17.7/5.9	10,000 / 2,200,000	25 - 35 / 55,000 - 77,000	35 - 50 / 77,000 - 110,000
DXS-50-FQC	4,630 / 10,186	3,650 / 143.7	730 / 28.7	780 / 30.7	450/150 / 17.7/5.9	10,000 / 2,200,000	25 - 35 / 55,000 - 77,000	35 - 50 / 77,000 - 110,000
DXS-60-A	5,800 / 12,760	3,520 / 138.6	820 / 32.3	835 / 32.9	490/150 / 19.3/5.9	11,500 / 2,530,000	32 - 50 / 70,400 - 110,000	50 - 70 / 110,000 - 154,000
DXS-60-C* **	-	-	820 / 32.3	835 / 32.9	490/150 / 19.3/5.9	11,500 / 2,530,000	30 - 50 / 66,000 - 110,000	-
DXS-70-A	6,750 / 14,850	3,835 / 151.0	900 / 35.4	895 / 35.2	510/150 / 20.1/5.9	12,200 / 2,684,000	35 - 65 / 77,000 - 143,000	60 - 80 / 132,000 - 176,000
DXS-70-C* **	-	-	900 / 35.4	895 / 35.2	510/150 / 20.1/5.9	12,200 / 2,684,000	32 - 65 / 70,400 - 143,000	-
DXS-80-A	7,800 / 17,160	3,950 / 155.5	980 / 38.6	1,015 / 40.0	-	14,000 / 3,080,000	40 - 75 / 88,000 - 165,000	70 - 90 / 154,000 - 198,000
DXS-80-C* **	-	-	980 / 38.6	1,015 / 40.0	-	14,000 / 3,080,000	37 - 75 / 81,400 - 165,000	-
DXS-90-A	9,000 / 19,800	4,310 / 169.7	1,060 / 41.7	1,080 / 42.5	-	15,300 / 3,366,000	50 - 90 / 110,000 - 198,000	80 - 100 / 176,000 - 220,000
DXS-90-C* **	-	-	1,060 / 41.7	1,080 / 42.5	-	-	47 - 90 / 103,400 - 198,000	-

* excl. adapter ** cutting force calculated at arm *** without rotation

Technical drawings



Mobile Scrap Shear - hydraulics and performance DXS

Hydraulics

Type	Open / close		Rotation		Back pressure	Cycle times
	Pressure max. (bar/psi)	Flow (l/min/GPM)	Pressure max. (bar/psi)	Flow (l/min/GPM)	(bar/psi)	open/close (sec)
DXS-50	**380 / 5,510**	300 - max. 400 / 79.5 - max. 105	**140 / 2,030**	60 / 16	-	2.8 / 3.7
DXS-60	**380 / 5,510**	400 - max. 500 / 105 - max. 132	**200 / 2,880**	60 / 16	**10 / 144 (drain line required)**	3.0 / 3.8
DXS-70	**380 / 5,510**	500 - max. 600 / 132 - max. 158	**200 / 2,880**	60 / 16	**10 / 144 (drain line required)**	3.0 / 3.8
DXS-80	**380 / 5,510**	600 - max. 700 / 158 - max. 185	**200 / 2,880**	60 / 16	**10 / 144 (drain line required)**	4.5 / 3.6
DXS-90	**380 / 5,510**	700 - max. 800 / 185 - max. 211	**200 / 2,880**	60 / 16	**10 / 144 (drain line required)**	4.6 / 3.8

Performance data

Type	DXS-50	DXS-60	DXS-70	DXS-80	DXS-90
H-beam narrow/medium/wide	HEA 500 / HEB 360 / HEM 160	HEA 600 / HEB 400 / HEM 180	HEA 700 / HEB 450 / HEM 200	HEA 800 / HEB 500 / HEM 220	HEA 900 / HEB 600 / HEM 240
I-beam narrow/medium	IPE 600 / INP 500	IPE 700 / INP 550	IPE 750 / INP 550	IPE 800 / INP 600	IPE 900 / INP 700
L-angles (mm/in)	300 x 300 x 25 / 11.8 x 11.8 x 0.98	300 x 300 x 30 / 11.8 x 11.8 x 1.18	300 x 300 x 35 / 11.8 x 11.8 x 1.38	350 x 350 x 35 / 13.8 x 13.8 x 1.38	400 x 400 x 35 / 15.7 x 15.7 x 1.38
Solid round (mm/in)	95 / 3.7	100 / 3.9	105 / 4.1	115 / 4.5	125 / 4.9
Solid square (mm/in)	85 / 3.3	90 / 3.5	95 / 3.7	100 / 3.9	110 / 4.3
Piercing plate (mm/in)	25 / 0.98	30 / 1.18	35 / 1.38	35 / 1.38	35 / 1.38
Pipe x wall (mm/in)	457 x 9.5 / 17.9 x 0.37	559 x 9.5 / 22 x 0.37	609 x 9.5 / 24 x 0.37	711 x 9.5 / 28 x 0.37	762 x 9.5 / 30 x 0.37

Dimensions: standardized wide flange beams (HEA, HEB, HEM) and section steel (IPE, INP) according to DIN EN 10 034 or cross section / sheet thickness in mm/in

Note: The capability to cut the above profiles assumes the tensile strength of the steel 370 N/mm² as well as the shear operating pressure of 350 bar / 5040 psi. In borderline cases, we recommend an actual test cut is made to determine whether the profile in question can be cut. Larger beams can be often cut in two steps.