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.

- ▷ **25% more power and fast cycle times** thanks to DemaPower 2.0.
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- ▷ **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.**
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- ▷ With **integrated OQ80/4 adapter (version FQC)** available.

Mobile Scrap Shear DXS with 360° rotation

Type	Weight* (kg/lbs)	Length A (mm/in)	Jaw width 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-40-A	3200/ 7040	2995/ 117.9	630/ 24.8	665/ 26.2	400/121 / 15.7/11.8	8320/ 1830400	18-25/ 39600-55000	25-35/ 55000-77000
DXS-40-FQC	3425/ 7535	3365/ 132.5	630/ 24.8	665/ 26.2	400/121 / 15.7/11.8	8320/ 1830400	18-25/ 39600-55000	25-35/ 55000-77000
DXS-50-A	4500/ 9900	3280/ 129.1	730/ 28.7	780/ 30.7	450/150 / 17.7 5.9	10000/ 2200000	25-35/ 55000-77000	35-50/ 77000-110000
DXS-50-FQC	4630/ 10186	3650/ 143.7	730/ 28.7	780/ 30.7	450/150 / 17.7/5.9	10000/ 2200000	25-35/ 55000-77000	35-50/ 77000-110000
DXS-60-A	5800/ 12760	3520/ 138.6	820/ 32.3	835/ 32.9	490/150 / 19.3/5.9	11500/ 2530000	32-50/ 70400-110000	50-70/ 110000-154000
DXS-60-C* **	-	-	820/ 32.3	835/ 32.9	490/150 / 19.3/5.9	11500/ 2530000	30-50/ 66000-110000	-

* excl. adapter ** cutting force calculated at arm *** without rotation available on request

Hydraulics

Type	Open / close		Rotation		Back pressure	Cycle times
	Pressure max. (bar/psi)	**Flow** (l/min/GPM)	(bar/psi)	(l/min/GPM)	(bar/psi)	**open/close** (sec)
DXS-40	**380 / 5510**	200 - max. 300 / 53 - max. 79.5	**140 / 2030**	60 / 16	-	3,2 / 3,3
DXS-50	**380 / 5510**	300 - max. 400 / 79.5 - max. 105	**140 / 2030**	60 / 16	-	2,8 / 3,7
DXS-60	**380 / 5510**	400 - max. 500 / 105 - max. 132	**200 / 2880**	60 / 16	10 (drain line required)	3,0 / 3,8

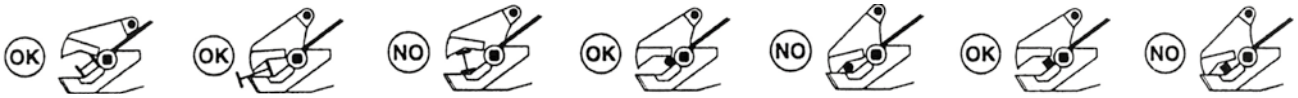
Performance data

Type	Narrow I-beam	Medium I-beam	Narrow H-beam	Medium H-beam	Wide H-beam
DXS-40	IPE 550	INP 450	HEA 400	HEB 300	HEM 140
DXS-50	IPE 600	INP 500	HEA 500	HEB 360	HEM 160
DXS-60	IPE 700	INP 550	HEA 600	HEB 400	HEM 180

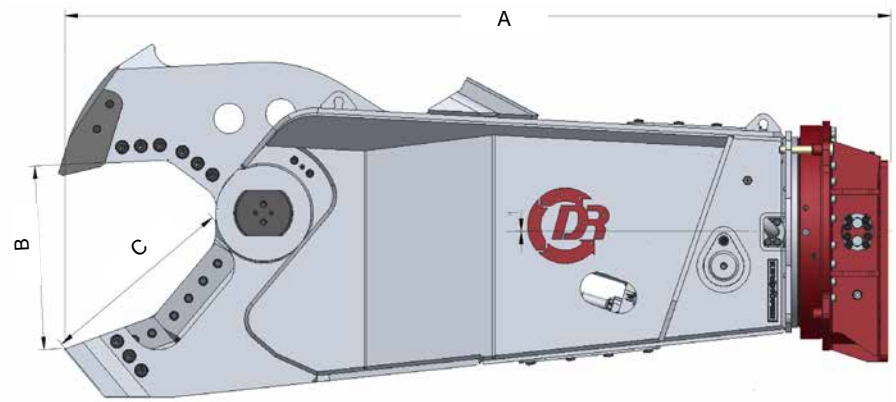
Type	Round angle steel (mm/in)	Hot rolled round steel (mm/in)	Hot rolled square steel (mm/in)	Metal sheet thickness (mm/in)	Steel tube Ø x thickness (mm/in)
DXS-40	250x250x25 / 9.8x9.8x0.98	Ø 90/3.5	80 x 80 / 3.1 x 3.1	25 / 0.9	406 x 9,5 / 15.9 x 0.37
DXS-50	300x300x25 / 11.8x11.8x0.98	Ø 95/3.7	85 x 85 / 3.3 x 3.3	25 / 0.9	457 x 9,5 / 17.9 x 0.37
DXS-60	300x300x30 / 11.8x11.8x1.18	Ø 100/3.9	90 x 90 / 3.5 x 3.5	30 / 1.2	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



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Mobile Scrap Shear DXS with 360° rotation

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DXS-50-A	4500 / 9900	3280 / 129.1	730 / 28.7	780 / 30.7	450 & 150 / 17.7 & 5.9	10000 / 2200000	25-35 / 55000-77000	35-50 / 77000-100000
DXS-50-FQC	4630 / 10186	3650 / 143.7	730 / 28.7	780 / 30.7	450 & 150 / 17.7 & 5.9	10000 / 2200000	25-35 / 55000-77000	35-50 / 77000-1100000
DXS-60-A	5800 / 12760	3520 / 138.6	820 / 32.3	835 / 32.9	490/150 / 19.3/5.9	11500 / 2530000	32-50 / 70400-110000	50-70 / 110000-154000
DXS-60-C* **	-	-	820 / 32.3	835 / 32.9	490/150 / 19.3/5.9	11500 / 2530000	30-50 / 66000-110000	-
DXS-70-A	6750 / 14850	3835 / 151	900 / 35.4	895 / 35.2	510/150 / 20.1/5.9	12200 / 2684000	35-65 / 77000-143000	60-80 / 132000-176000
DXS-70-C* **	-	-	900 / 35.4	895 / 35.2	510/150 / 20.1/5.9	12200 / 2684000	32-65 / 70400-143000	-

* excl. adapter ** cutting force calculated at arm *** without rotation available on request

Hydraulics

Type	Open / close		Rotation		Back pressure	Cycle times open/close
	Pressure max. (bar/psi)	Flow (l/min/GPM)	Pressure max. (bar/psi)	Flow (l/min/GPM)	(bar/psi)	(sec)
DXS-50	**380 / 5510**	300 - max. 400 / 79.5 - max. 105	**140 / 2030**	60 / 16	-	2,8 / 3,7
DXS-60	**380 / 5510**	400 - max. 500 / 105 - max. 132	**200 / 2880**	60 / 16	10 (drain line required)	3,0 / 3,8
DXS-70	**380 / 5510**	500 - max. 600 / 132 - max. 158	**200 / 2880**	60 / 16	10 (drain line required)	3,0 / 3,8

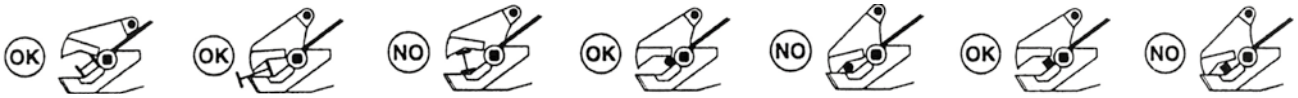
Performance data

Type	Narrow I-beam	Medium I-beam	Narrow H-beam	Medium H-beam	Wide H-beam
DXS-50	IPE 600	INP 500	HEA 500	HEB 360	HEM 160
DXS-60	IPE 700	INP 550	HEA 600	HEB 400	HEM 180
DXS-70	IPE 750	INP 550	HEA 700	HEB 450	HEM 200

Type	Round angle steel (mm/in)	Hot rolled round steel (mm/in)	Hot rolled square steel (mm/in)	Metal sheet thickness (mm/in)	Steel tube Ø x thickness (mm/in)
DXS-50	300 x 300 x 25 / 11.8 x 11.8 x 0.98	Ø 95 / 3.7	85 x 85 / 3.3 x 3.3	25 / 0.98	457 x 9,5 / 17.9 x 0.37
DXS-60	300 x 300 x 30 / 11.8 x 11.8 x 1.18	Ø 100 / 3.9	90 x 90 / 3.5 x 3.5	30 / 1.18	559 x 9,5 / 22 x 0.37
DXS-70	300 x 300 x 35 / 11.8 x 11.8 x 1.38	Ø 105 / 4.1	95 x 95 / 3.7 x 3.7	35 / 1.38	609 x 9,5 / 24 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.



Technical drawings