



- Demolition & Sorting Grabs
- Polyp Grabs
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- Multi-Quick Processors

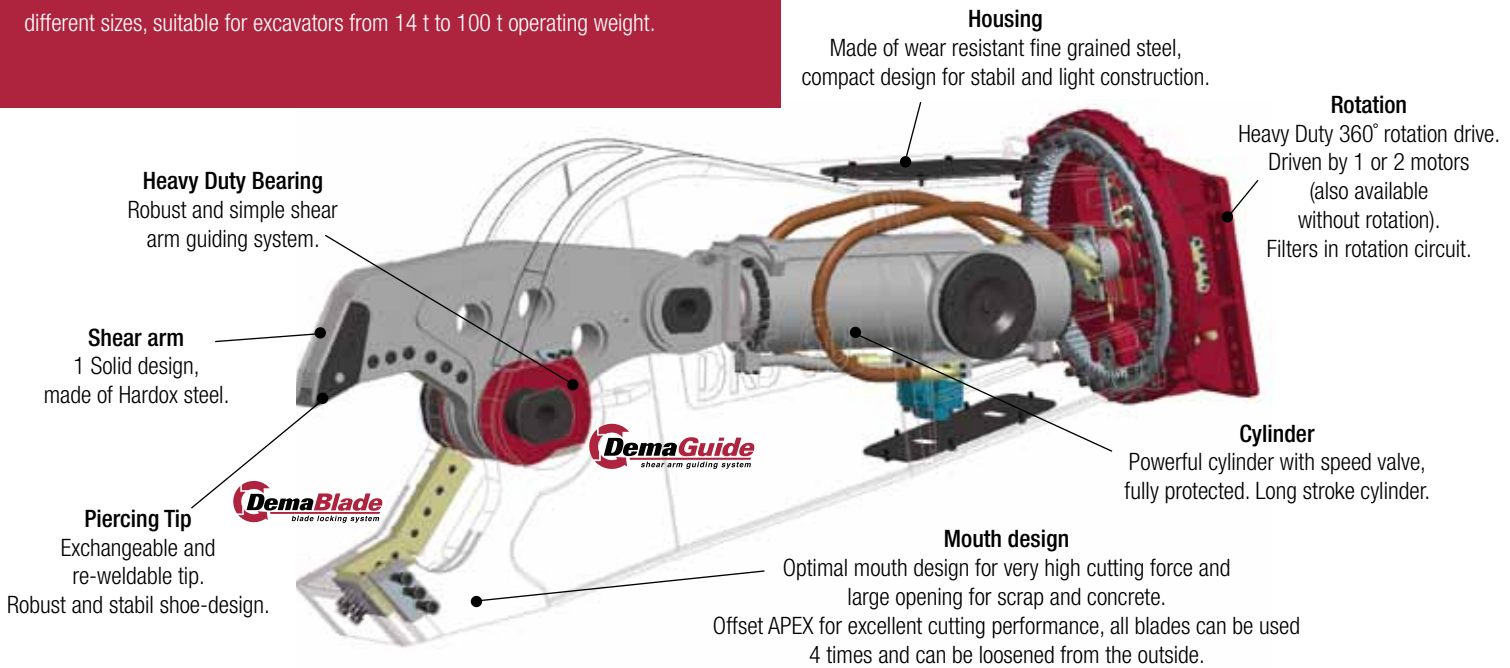
Scrap Shears DRS



Trendsetter in Demolition and Recycling Equipment

demarec.com

The Demarec DRS Dedicated 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 concrete and steel structural demolition, scrap yards, conditioning of industrial mixed scrap and even processing steel-reinforced concrete. With three different mounting options, the DRS line is available in six different sizes, suitable for excavators from 14 t to 100 t operating weight.



Demarec Scrap Shear with 360° rotation or rigid mounted (without rotation)

Type	Weight *	Length A	Jaw opening B	Jaw depth C	Primary cutter length	Cutting force**	Carrier weight (boom)***	Carrier weight (dipper)***
DRS-25-A	2100 kg	2740 mm	500 mm	460 mm	180/280 mm	498 ton	14 - 20 ton	20 - 30 ton
DRS-30-A	3100 kg	2965 mm	570 mm	490 mm	200/300 mm	670 ton	18 - 25 ton	25 - 35 ton
DRS-45-A	4100 kg	3290 mm	625 mm	540 mm	225/330 mm	821 ton	25 - 35 ton	32 - 50 ton
DRS-60-A	5350 kg	3660 mm	720 mm	620 mm	250/380 mm	1099 ton	30 - 45 ton	45 - 65 ton
DRS-60-B	5450 kg	4100 mm	720 mm	620 mm	250/380 mm	1099 ton	30 - 45 ton	-
DRS-75-A	6800 kg	4075 mm	835 mm	720 mm	300/440 mm	1427 ton	35 - 60 ton	60 - 80 ton
DRS-75-B	6900 kg	4550 mm	835 mm	720 mm	300/440 mm	1427 ton	35 - 60 ton	-
DRS-75-C	6000 kg	3650 mm	835 mm	720 mm	300/440 mm	1427 ton	30 - 50 ton	-
DRS-90-A	8500 kg	4800 mm	950 mm	800 mm	350/480 mm	2050 ton	45 - 75 ton	75 - 100 ton
DRS-90-B	8600 kg	5000 mm	950 mm	800 mm	350/480 mm	2050 ton	45 - 75 ton	-
DRS-90-C	7600 kg	4100 mm	950 mm	800 mm	350/480 mm	2050 ton	40 - 70 ton	-

*Weight excluding bracket **Cutting force calculated at a distance of 120 mm (DRS-25) / 140 mm (DRS-30) / 160 mm (DRS-45 / DRS-90) from centre of pin *** Depending of lifting capacity of carrier.

Hydraulics

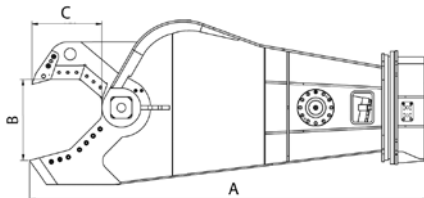
Type	Opening/ Closing		Rotation		Back pressure max.	Working cycle Opening/ Closing
	Pmax.	Flow	Pmax.	Flow		
DRS-25	380 bar	150 - 250 l/min	140 bar	60 l/min	-	2,4 / 2,3 sec.
DRS-30	380 bar	200 - 300 l/min	140 bar	60 l/min	-	2,9 / 3,0 sec.
DRS-45	380 bar	300 - 400 l/min	140 bar	60 l/min	-	3,7 / 2,2 sec.
DRS-60	380 bar	400 - 600 l/min	200 bar	60 l/min	10 bar (drain line required)	3,0 / 2,2 sec.
DRS-75	380 bar	600 - 800 l/min	200 bar	60 l/min	10 bar (drain line required)	3,0 / 2,5 sec.
DRS-90	380 bar	700 - 1000 l/min	200 bar	80 l/min	10 bar (drain line required)	3,5 / 2,5 sec.

Cutting steel profiles / maximum allowable size

Type	Light I-Beam	Normal I-Beam	Light H-Beam	Normal H-Beam	Heavy H-Beam	L-Angle thickness	Solid Round	Solid Square	Plate thickness	Pipe Ø x wall thickness
DRS-25	IPE 450	INP 320	HEA 280	HEB 200	HEM 100	200x200x15	Ø 75	65x65	15	254x9
DRS-30	IPE 500	INP 400	HEA 320	HEB 240	HEM 140	250x250x20	Ø 90	80x80	20	304x10
DRS-45	IPE 600	INP 450	HEA 400	HEB 300	HEM 160	250x250x25	Ø 100	90x90	25	406x10
DRS-60	IPE 700	INP 500	HEA 500	HEB 360	HEM 180	300x300x25	Ø 115	100x100	25	457x10
DRS-75	IPE 800	INP 550	HEA 600	HEB 400	HEM 200	300x300x30	Ø 130	120x120	30	559x10
DRS-90	IPE 900	INP 600	HEA 700	HEB 450	HEM 220	350x350x30	Ø 150	135x135	35	609x10

HEA, HEB, HEM (H-Beams) and I-Beams (IPE, INP) as defined in European Standard DIN EN 10 034. – All data in mm.

Note: This chart gives an indication of the cutting capacity of the DRS shears based on the assumption of a working pressure of 350 bar normal steel profiles with a tensile strength of maximum 370 N/mm² and a good condition of the blades.



A-version
With Rotation, Topplate connection, stick or boom

B-version
With Rotation, Weld-on boom connection

C-version
No Rotation, Weld-on boom connection