

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

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

Hydraulics

Type	Open / close		Rotation		Back pressure (bar/psi)	Cycle times open/close (sec)
	Pressure max. (bar/psi)	Flow (l/min/GPM)	(bar/psi)	(l/min/GPM)		
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

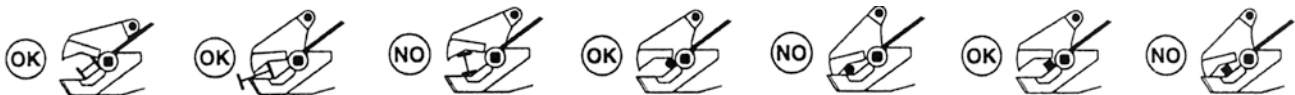
Performance data

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

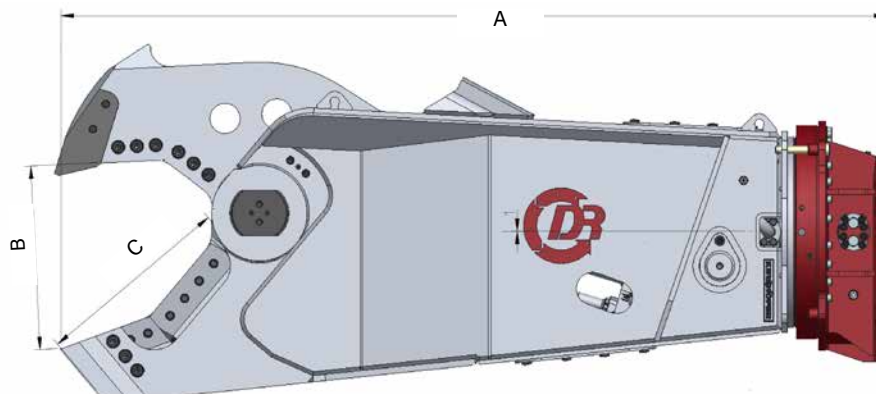
Type	Round angle steel (mm/in)	Hot rolled round steel (mm/in)	Hot rolled square steel (mm/in)	Metal sheet thickness (mm/in)	Steel tube Ø x thickness (mm/in)
DXS-40	250x250x25 / 9.8x9.8x0.98	Ø 90/3.5	80 x 80 / 3.1 x 3.1	25 / 0.9	406 x 9,5 / 15.9 x 0.37
DXS-50	300x300x25 / 11.8x11.8x0.98	Ø 95/3.7	85 x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



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.



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- ▷ **Exchangeable, weldable piercing tip.**
- ▷ With **integrated OQ80/4 adapter (version FQC)** available.

Mobile Scrap Shear DXS with 360° rotation

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

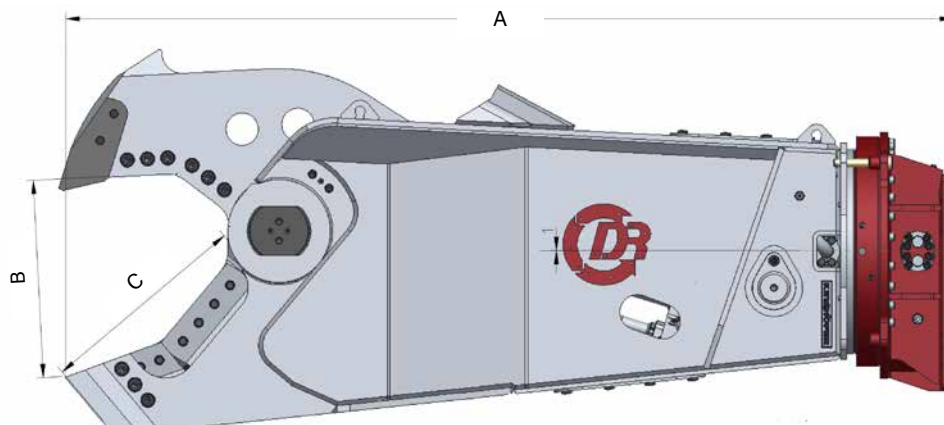
Type	Round angle steel (mm/in)	Hot rolled round steel (mm/in)	Hot rolled square steel (mm/in)	Metal sheet thickness (mm/in)	Steel tube Ø x thickness (mm/in)
DXS-50	300 x 300 x 25 / 11.8 x 11.8 x 0.98	Ø 95 / 3.7	85 x 85 / 3.3 x 3.3	25 / 0.98	457 x 9.5 / 17.9 x 0.37
DXS-60	300 x 300 x 30 / 11.8 x 11.8 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.

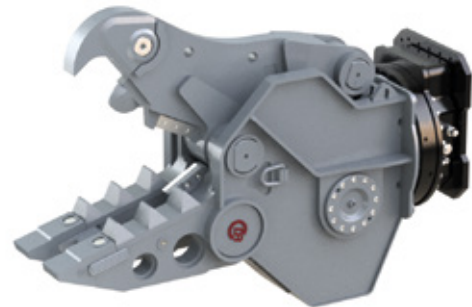


Technical drawings



The rotating demolition tools of the Dedicated Demolition Line have been developed for primary and secondary demolition. Their jaws are designed for each application area within a demolition job site:
Combi Shear DLC, Demolition Shear DLD or Pulveriser DLP.

- ▷ **Powerful cylinder** with robust pin suspension.
- ▷ **Cylinder** in two chamber technique with **speed valve**.
- ▷ **Rotation** with **additional oil passage**.
- ▷ Twin rotation motors for **extra rotation power**.
- ▷ **Swing bearing** double pivoted.
- ▷ **Rotation circuit filters**.
- ▷ **Teeth, shrouds and cutting blades** exchangeable.
- ▷ **Excellent speed/ power to weight ratio**.
- ▷ **DLP: exchangeable ground tooth-plate**.



DLD-25

Rotating Combi Shears DLC

Type	Operating weight (t/lbs)	Weight (kg/lbs)	Jaw width A (mm/in)	Jaw depth E (mm/in)	Lower jaw width B (mm/in)	Upper jaw width C (mm/in)	Height D (mm/in)	Length blades (mm/in)	Closing force* (t/lbs)
DLC-25	18-25/39600-55000	1880/4136	785/30.9	800/31.5	390/15.4	90/3.5	1995/78.5	400/15.7	70/100 / 154000/220000
DLC-30	22-35/48400-77000	2455/5401	875/34.4	900/35.4	455/17.9	100/3.9	2150/84.6	400/15.7	80/125 / 176000/275000
DLC-45	32-50/70400-110000	3085/6787	980/38.6	990/39.0	470/18.5	100/3.9	2365/93.1	500/19.7	110/150 / 242000/330000

Rotating Demolition Shears DLD

Type	Operating weight (t/lbs)	Weight (kg/lbs)	Jaw width A (mm/in)	Jaw depth E (mm/in)	Lower jaw width B (mm/in)	Upper jaw width C (mm/in)	Height D (mm/in)	Length blades (mm/in)	Closing force* (t/lbs)
DLD-25	18-25/39600-55000	1905/4191	825/32.5	800/31.5	390/15.4	90/3.5	2035/80.1	200/7.9	75/125 / 165000/275000
DLD-30	22-35/48400-77000	2450/5390	870/34.3	885/34.8	450/17.7	100/3.9	2155/84.8	200/7.9	85/135 / 187000/297000
DLD-45	32-50/70400-110000	3110/6842	990/39.0	945/37.2	470/18.5	100/3.9	2360/92.9	200/7.9	110/160 / 242000/252000

Rotating Pulveriser DLP

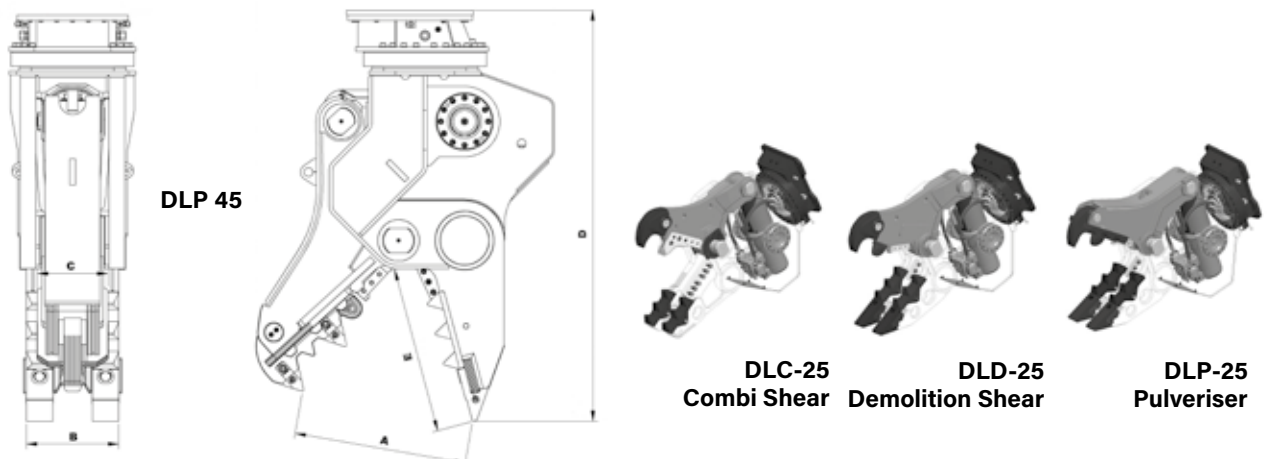
Type	Operating weight (t/lbs)	Weight (kg/lbs)	Jaw width A (mm/in)	Jaw depth E (mm/in)	Lower jaw width B (mm/in)	Upper jaw width C (mm/in)	Height D (mm/in)	Length blades (mm/in)	Closing force* (t/lbs)
DLP-25	18-25/39600-55000	1920/4224	790/31.1	800/31.5	390/15.4	325/12.8	2035/80.1	200/7.9	70/100 / 154000/220000
DLP-30	22-35/48400-77000	2425/5335	860/33.9	885/34.8	450/17.7	350/13.8	2155/84.8	200/7.9	80/125 / 176000/275000
DLP-45	32-50/70400-110000	3150/6930	985/38.8	945/37.2	470/18.5	400/15.7	2360/92.9	200/7.9	110/150 / 242000/330000

* closing force measured at front tooth / splitting tooth

Hydraulics

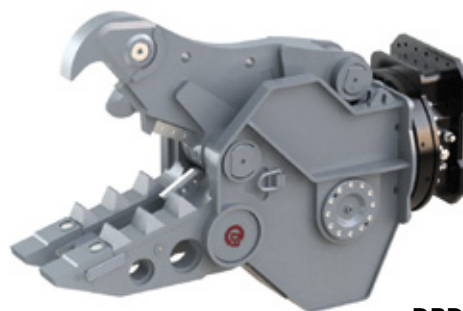
Type	Pressure max. (bar/psi)	Open / close		Pressure max. (bar/psi)	Rotation		Cycle times (open / close) (sec)	
		Flow (l/min/GPM)	Flow (l/min/GPM)		Flow (l/min/GPM)	Flow (l/min/GPM)		
DLC-25 / DLD-25 / DLP-25	380 / 5510	120-max.200	31.7-max.52.8	140 / 2030	40-max.60	10.6-max.15.9	2,5 / 2,5	
DLC-30 / DLD-30 / DLP-30	380 / 5510	150-max.250	39.6-max.66.1	140 / 2030	40-max.60	10.6-max.15.9	2,5 / 2,5	
DLC-45 / DLD-45 / DLP-45	380 / 5510	200-max.300	52.8-max.79.3	140 / 2030	40-max.60	10.6-max.15.9	2,6 / 2,9	

Technical drawing



The rotating demolition tools of the Dedicated Demolition Line have been developed for primary and secondary demolition. Their jaws are designed to each application area within a demolition job site: Combi Shear DRC, Demolition Shear DRD or Pulveriser DRP. The patented DemaPower cylinder concept provides up to 20% more power and obviously quicker cycle times.

- ▷ Maximized working speed with the DemaPower cylinder and robust pin suspension, four chamber technique and speed valve.
- ▷ Rotation with additional oil passage.
- ▷ Twin rotation motors for extra rotation power.
- ▷ Swing bearing double pivoted.
- ▷ Rotation circuit filters.
- ▷ Teeth, shrouds and cutting blades exchangeable.
- ▷ Excellent speed/ power to weight ratio.
- ▷ DRP: exchangeable ground tooth-plate.



DRD-25

Rotating Combi Shears DRC

Type	Operating weight	Weight	Jaw width A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/lbs)	(kg/lbs)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(t/lbs)
DRC-25	18-25/39600-55000	1880/4136	785/30.9	800/31.5	390/15.4	90/3.5	1995/78.5	400/15.7	85-120 / 187000-264000
DRC-30	22-35/48400-77000	2440/5368	875/34.4	900/35.4	455/17.9	100/3.9	2150/84.6	400/15.7	100-150 / 220000-330000
DRC-45	32-50/70400-110000	3060/6732	990/39	975/38.4	470/18.5	100/3.9	2365/93.1	500/19.7	130-185 / 286000-407000

Rotating Demolition Shears DRD

Type	Operating weight	Weight	Jaw width A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/lbs)	(kg/lbs)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(t/lbs)
DRD-25	18-25/39600-55000	1905/4191	825/32.5	800/31.5	390/15.4	90/3.5	2035/80.1	200/7.9	90-145 / 198000-319000
DRD-30	22-35/48400-77000	2435/5357	870/34.3	885/34.8	450/17.7	100/3.9	2155/84.8	200/7.9	105-160 / 231000-352000
DRD-45	32-50/70400-110000	3085/6787	990/39	945/37.2	470/18.5	100/3.9	2360/92.9	200/7.9	130-195 / 286000-429000

Rotating Pulveriser DRP

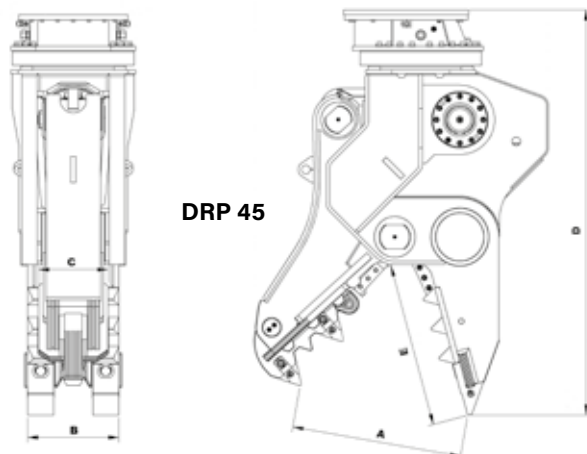
Type	Operating weight	Weight	Jaw width A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/ lbs.)	(kg/lbs)	(mm/in)	(mm/ in)	(mm/ in)	(mm/ in)	(mm/ in)	(mm/ in)	(t/lbs)
DRP-25	18-25/39600-55000	1910/4202	790/31.1	800/31.5	390/15.4	325/12.8	1980/78	200/7.9	85-130 / 209000-286000
DRP-30	22-35/48400-77000	2410/5302	860/33.9	885/34.8	450/17.7	350/13.8	2155/84.8	200/7.9	100-150 / 220000-330000
DRP-45	32-50/70400-110000	3125/6875	980/38.6	945/37.2	470/18.5	400/15.7	2360/92.9	200/7.9	130-185 / 286000-407000

* closing force measured at front tooth / splitting tooth

Hydraulics

Type	Open / close		Rotation		Cycle times (open / close) (sec)
	Pressure max. (bar/psi)	Flow (l/min)	Pressure max. (bar/psi)	Flow (l/min)	
DRC-25 / DRD-25 / DRP-25	380 / 5510	120 - max. 200 / 32 - max. 53	140 / 2030	40 - max. 60 / 10.5 -max 16	2,0 / 2,3
DRC-30 / DRD-30 / DRP-30	380 / 5510	150 - max. 250 / 40 - max. 66	140 / 2030	40 - max. 60 / 10.5 -max 16	2,0 / 2,5
DRC-45 / DRD-45 / DRP-45	380 / 5510	200 - max. 300 / 53 -max. 79.5	140 / 2030	40 - max. 60 / 10.5 -max 16	2,0 / 2,9

Technical drawing



DRP 45



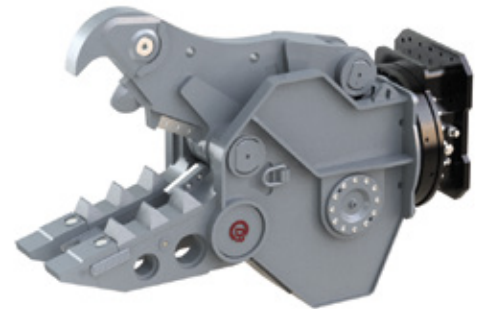
**DRC-25
Combi Shear**

**DRD-25
Demolition Shear**

**DRP-25
Pulveriser**

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- ▷ Rotation circuit filters.
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- ▷ Excellent speed/ power to weight ratio.
- ▷ DRP: exchangeable ground tooth-plate.



Rotating Combi Shears DLC

Type	Operating weight	Weight	Jaw opening A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/lbs)	(kg/lbs)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(t/lbs)
DRC-45	32-50/ 70400-110000	3060 / 6732	990 / 39.0	975 / 38.4	470 / 18.5	100 / 3.9	2365 / 93.1	500 / 19.7	130/185 / 286000/407000

Rotating Demolition Shears DLD

Type	Operating weight	Weight	Jaw opening A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/lbs)	(kg/lbs)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(t/lbs)
DRD-45	32-50/ 70400-110000	3085 / 6787	990 / 39.0	945 / 37.2	470 / 18.5	100 / 3.9	2360 / 92.9	200 / 27.9	130/195 / 286000/429000

Rotating Pulveriser DLP

Type	Operating weight	Weight	Jaw opening A	Jaw depth E	Lower jaw width B	Upper jaw width C	Height D	Length blades	Closing force*
	(t/lbs)	(kg/lbs)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(mm/in)	(t/lbs)
DRP-45	32-50/ 70400 110000	3125 / 6875	980 / 38.6	945 / 37.2	470 / 18.5	400 / 15.7	2360 / 92.9	200 / 7.9	130/185 / 286000/407000
DRP-60	45-65/ 99000-143000	4100 / 9020	1150 / 45.3	1020 / 40.2	565 / 22.2	450 / 17.7	2550 / 100.4	250 / 9.8	150/205 / 330000/451000

* closing force measured at front tooth / splitting tooth

Hydraulics

Type	Open / close		Rotation		Cycle times (open / close) (sec)
	Pressure max. (bar/ psi)	Flow (l/min/ GPM)	Pressure max. (bar/ psi)	Flow (l/min/ GPM)	
DRC-45/DRD-45/DRP-45	380 / 5510	200 - max.300 / 53 - max.79.5	140 / 2030	40 - max.60 / 10.5 - max.16	2,0 / 2,9
DRP-60	380 / 5510	300 - max.400 / 79.5 - max.105	140 / 2030	40 - max.60 / 10.5 - max.16	2,0 / 2,8

Technical drawings

