

Rotating Shears with *DemaPower* up to 50t / 110,000lbs DRC / DRD / DRP

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 / 39,600 - 55,000	1,880 / 4,136	785 / 30.9	800 / 31.5	390 / 15.4	90 / 3.5	1,995 / 78.5	400 / 15.7	85/120 / 187,000/264,000
DRC-30	22 - 35 / 48,400 - 77,000	2,440 / 5,368	875 / 34.4	900 / 35.4	455 / 17.9	100 / 3.9	2,150 / 84.6	400 / 15.7	100/150 / 220,000/330,000
DRC-45	32 - 50 / 70,400 - 110,000	3,060 / 6,732	990 / 39.0	975 / 38.4	470 / 18.5	100 / 3.9	2,365 / 93.1	500 / 19.7	130/185 / 286,000/407,000

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 / 39,600 - 55,000	1,905 / 4,191	825 / 32.5	800 / 31.5	390 / 15.4	90 / 3.5	2,035 / 80.1	200 / 7.9	90/145 / 198,000/319,000
DRD-30	22 - 35 / 48,400 - 77,000	2,435 / 5,357	870 / 34.3	885 / 34.8	450 / 17.7	100 / 3.9	2,155 / 84.8	200 / 7.9	105/160 / 231,000/352,000
DRD-45	32 - 50 / 70,400 - 110,000	3,085 / 6,787	990 / 39.0	945 / 37.2	470 / 18.5	100 / 3.9	2,360 / 92.9	200 / 7.9	130/195 / 286,000/429,000

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 / 39,600 - 55,000	1,910 / 4,202	790 / 31.1	800 / 31.5	390 / 15.4	325 / 12.8	1,980 / 78.0	200 / 7.9	85/130 / 209,000/286,000
DRP-30	22 - 35 / 48,400 - 77,000	2,410 / 5,302	860 / 33.9	885 / 34.8	450 / 17.7	350 / 13.8	2,155 / 84.8	200 / 7.9	100/150 / 220,000/330,000
DRP-45	32 - 50 / 70,400 - 110,000	3,125 / 6,875	980 / 38.6	945 / 37.2	470 / 18.5	400 / 15.7	2,360 / 92.9	200 / 7.9	130/185 / 286,000/407,000

* closing force measured at front tooth / splitting tooth

Rotating Shears - Technical Data

DLC / DLD / DLP
DRC / DRD / DRP

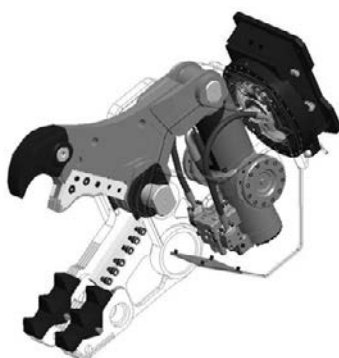
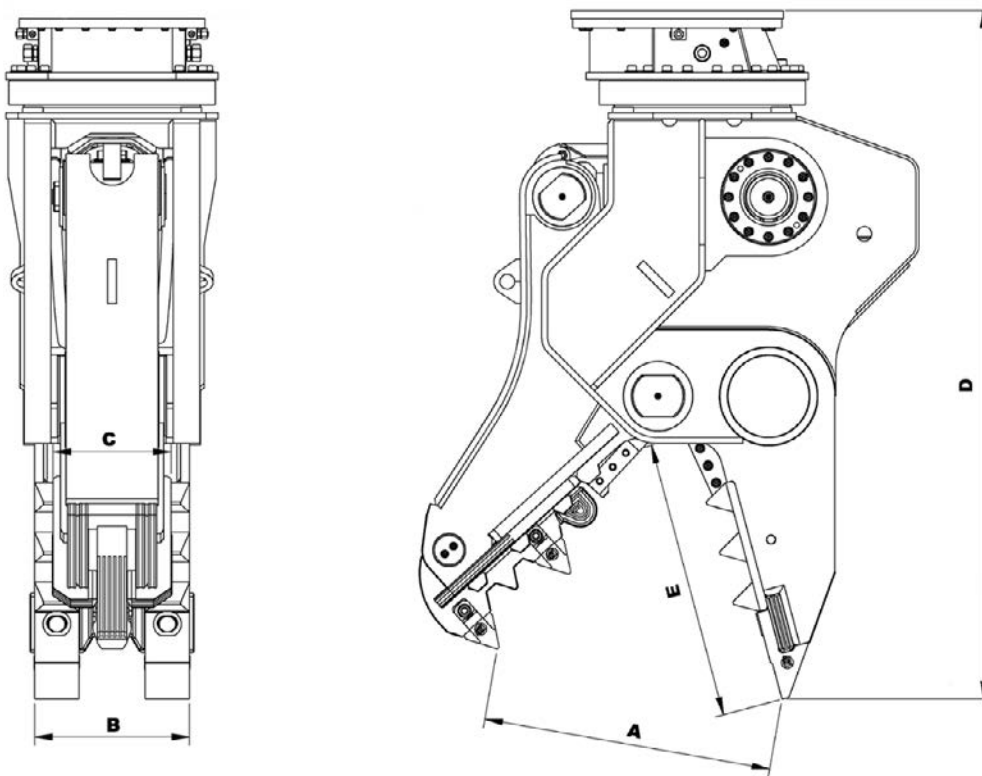
Hydraulics

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 / 5,510	120 - max. 200 / 31.7 - max. 52.8		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.5 / 2.5
DLC-30 / DLD-30 / DLP-30	380 / 5,510	150 - max. 250 / 39.6 - max. 66.1		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.5 / 2.5
DLC-45 / DLD-45 / DLP-45	380 / 5,510	200 - max. 300 / 52.8 - max. 79.3		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.6 / 2.9

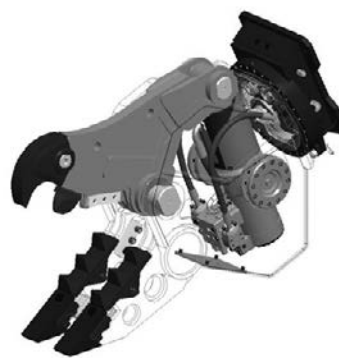
Hydraulics

Type	Pressure max. (bar/psi)	Open / close		Pressure max. (bar/psi)	Rotation		Cycle times (open / close) (sec)
		Flow (l/min)	Flow (l/min)		Flow (l/min)	Flow (l/min)	
DRC-25 / DRD-25 / DRP-25	380 / 5,510	120 - max. 200 / 31.7 - max. 52.8		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.0 / 2.3
DRC-30 / DRD-30 / DRP-30	380 / 5,510	150 - max. 250 / 39.6 - max. 66.1		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.0 / 2.5
DRC-45 / DRD-45 / DRP-45	380 / 5,510	200 - max. 300 / 52.8 - max. 79.3		140 / 2,030	40 - max. 60 / 10.6 - max. 15.9		2.0 / 2.9

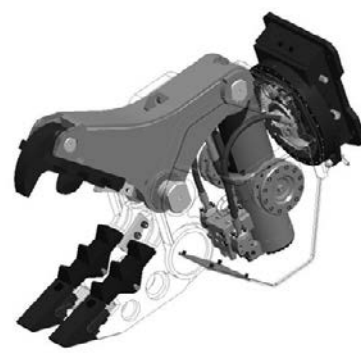
Technical drawing



Combi Shear



Demolition Shear



Pulveriser

Request? exc@kinshofer.com

Rotating Shears with DemaPower

DRC / DRD / DRP

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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 / 70,400 - 110,000	3,060 / 6,732	990 / 39.0	975 / 38.4	470 / 18.5	100 / 3.9	2,365 / 93.1	500 / 19.7	130/185 / 286,000/407,000

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 / 70,400 - 110,000	3,085 / 6,787	990 / 39.0	945 / 37.2	470 / 18.5	100 / 3.9	2,360 / 92.9	200 / 27.9	130/195 / 286,000/429,000

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 / 70,400 - 110,000	3,125 / 6,875	980 / 38.6	945 / 37.2	470 / 18.5	400 / 15.7	2,360 / 92.9	200 / 7.9	130/185 / 286,000/407,000
DRP-60	45 - 65 / 99,000 - 143,000	4,100 / 9,020	1,150 / 45.3	1,020 / 40.2	565 / 22.2	450 / 17.7	2,550 / 100.4	250 / 9.8	150/205 / 330,000/451,000

* 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 / 5,510	200 - max. 300 / 53 - max. 79.5	140 / 2,030	40 - max. 60 / 10.5 - max. 16	2.0 / 2.9
DRP-60	380 / 5,510	300 - max. 400 / 79.5 - max. 105	140 / 2,030	40 - max. 60 / 10.5 - max. 16	2.0 / 2.8

Technical drawings

