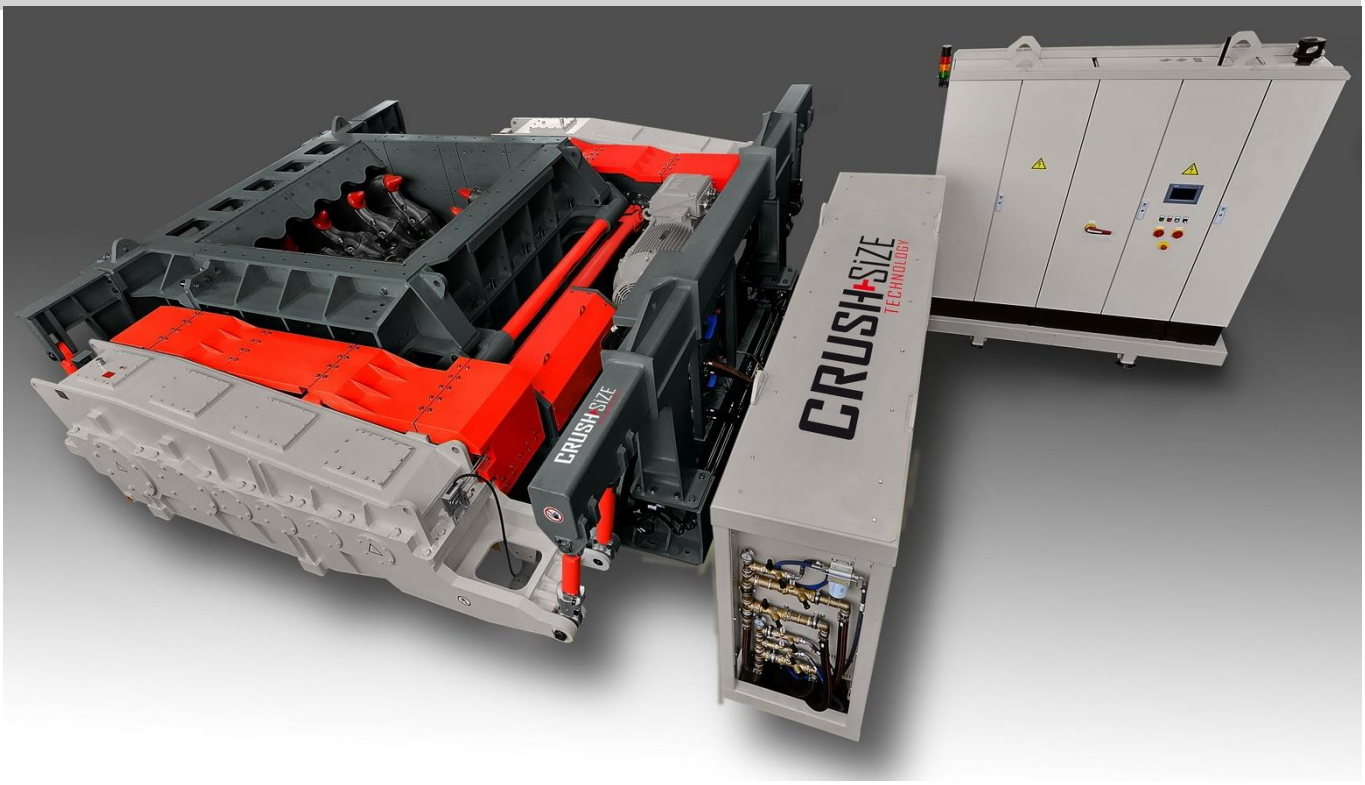
DRC | Double Roll Crusher

Flexible high-performance crusher



General Features

- Gentle crushing through slow roller rotation
- Rollers mechanically synchronized
- Hydraulic adjustment of roller gap
- Hydraulic overload protection
- High coarse grain content and low fine content in the final product
- Low amount of oversize material
- Energy efficient
- Low wear
- Low maintenance costs
- Application-specific selection of crushing tools
- Direct feeding possible

Application data

- Materials up to 300 Mpa compressive strength for mining and recycling applications
- Materials with steel reinforcement
- Moist and sticky materials
- Feed size: 100 mm to 2 m edge length
- Capacity: 100 to 10,000 t/h
- Product size: up to <32 mm
- Crushing ratio: 1:3 to 1:5, in some cases significantly higher

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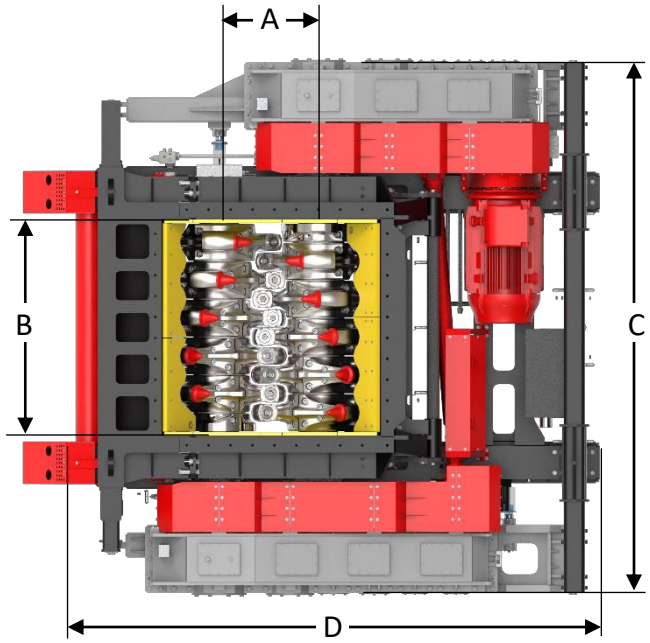
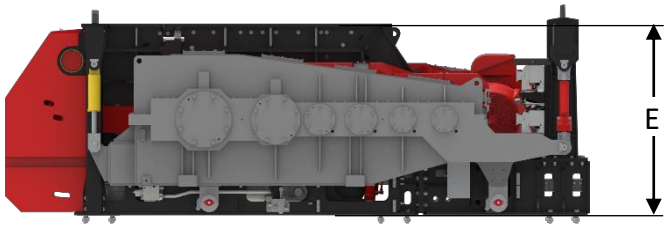
Sizes and Applications





A: Axle distance | **B**: roller length | **C**:Machine width

D: Machine length | **E**: Machine height

Size	Weight t	Throughput[1] t/h	F100 mm	P90 mm	A mm	B mm	C mm	D mm	E mm
DRC 450-10	9,5	150	300	16-45	450	1000	3100	2900	900
DRC 450-15	11	300	300	16-45	450	1500	3600	2900	900
DRC 450-20	13	450	300	16-45	450	2000	4100	2900	900
DRC 550-10	11	250	500	22-80	550	1000	3100	3500	1100
DRC 550-15	14	400	500	22-80	550	1500	3600	3500	1100
DRC 550-20	18	600	500	22-80	550	2000	4100	3500	1100
DRC 550-30	22	1000	500	22-80	550	3000	5200	3500	1100
DRC 700-10	18	400	700	32-160	700	1000	3500	4200	1300
DRC 700-15	22	800	700	32-160	700	1500	3700	4200	1300
DRC 700-20	26	1200	700	32-160	700	2000	4200	4200	1300
DRC 700-30	30	2000	700	32-160	700	3000	5200	4200	1300
DRC 800-15	45	1000	900	200	800	1500	4400	4600	1500
DRC 800-20	49	1500	900	200	800	2000	4400	4600	1500
DRC 800-25	53	2000	900	200	800	2500	5000	4600	1500
DRC 800-30	57	3000	900	200	800	3000	5700	4600	1500
DRC 900-20	65	2000	1000	250	900	2000	5200	5400	1800
DRC 900-27	70	4000	1000	250	900	2700	5900	5400	1800
DRC 900-34	75	6000	1000	250	900	3400	6700	5400	1800
DRC 900-41	80	8000	1000	250	900	4100	7300	5400	1800
DRC 1150-20	90	4600	1400	300	1150	2000	5500	6300	2200
DRC 1150-27	100	6200	1400	300	1150	2700	6200	6300	2200
DRC 1150-35	113	8000	1400	300	1150	3500	7000	6300	2200
DRC 1150-41	125	9400	1400	300	1150	4100	7700	6300	2200
DRC 1400-20	160	7400	1700	300	1400	2000	6000	7300	2600
DRC 1400-27	162	10000	1700	300	1400	2700	6700	7300	2600
DRC 1400-34	174	12600	1700	300	1400	3400	7700	7300	2600
DRC 1400-41	186	15200	1700	300	1400	4100	8400	7300	2600
DRC 1400-49	200	18200	1700	300	1400	4900	9300	7300	2600

[1]Throughput calculation based on a material density of 2 kg/l. Exception: DRC 450 (1.6 kg/l).

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