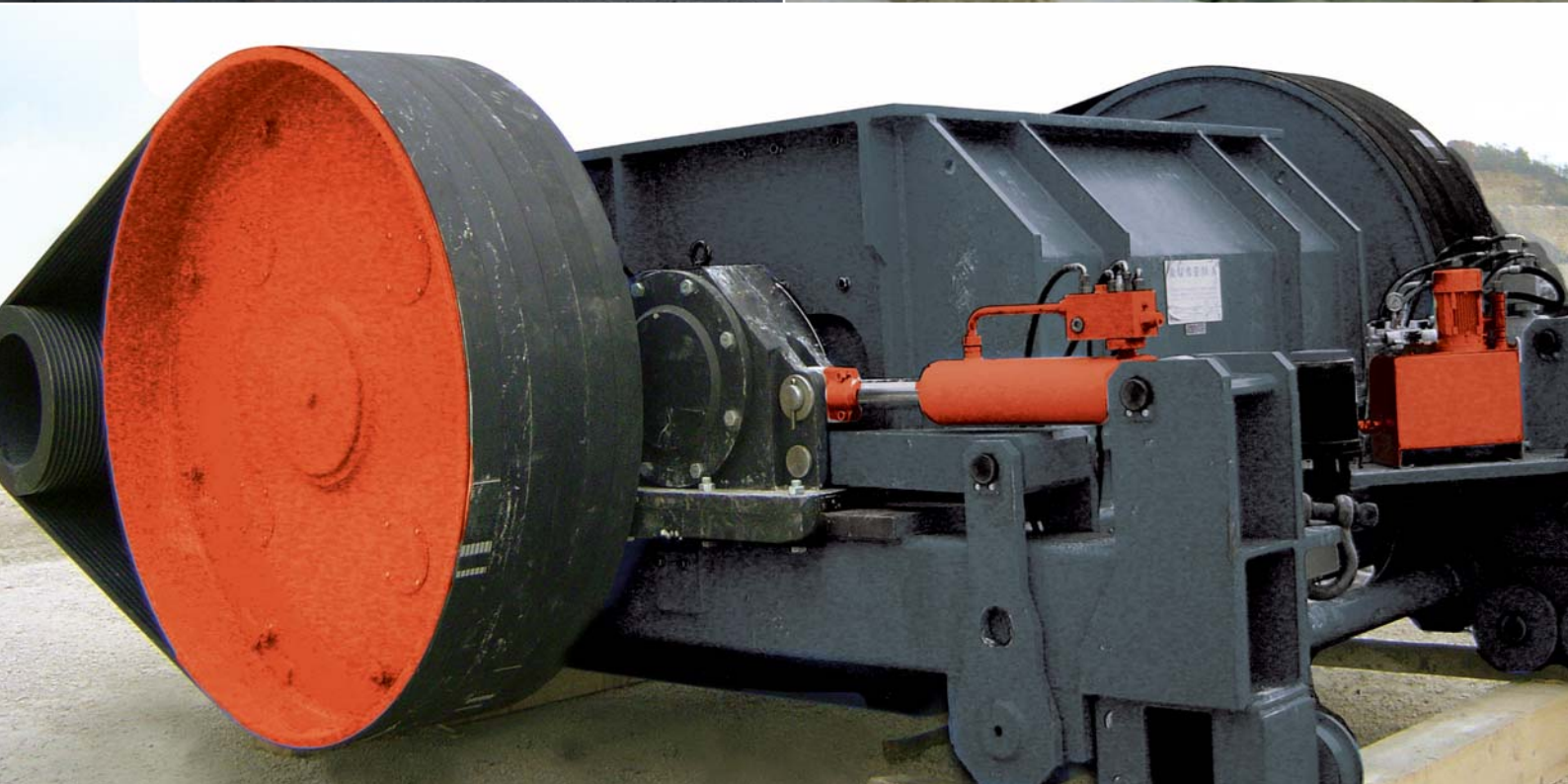
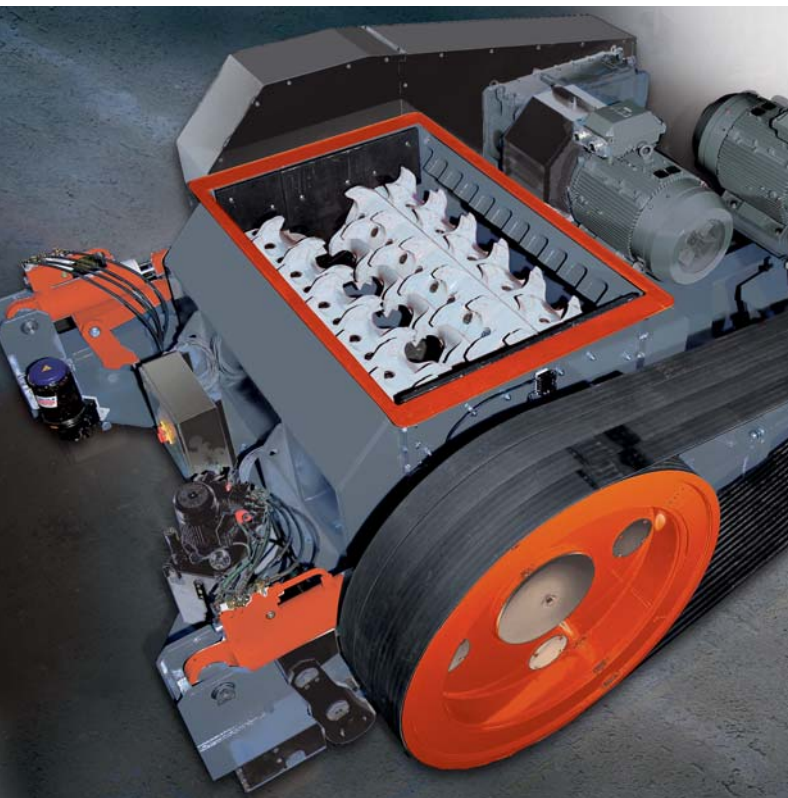


CR800 series *hybrid*





CR810 – primary crushing with pre-scalping

Wide range of applications

SANDVIK HYBRID

Hybrids are used for primary and secondary crushing of soft and medium-hard materials that also have the tendency to be wet and sticky.

FEED MATERIALS

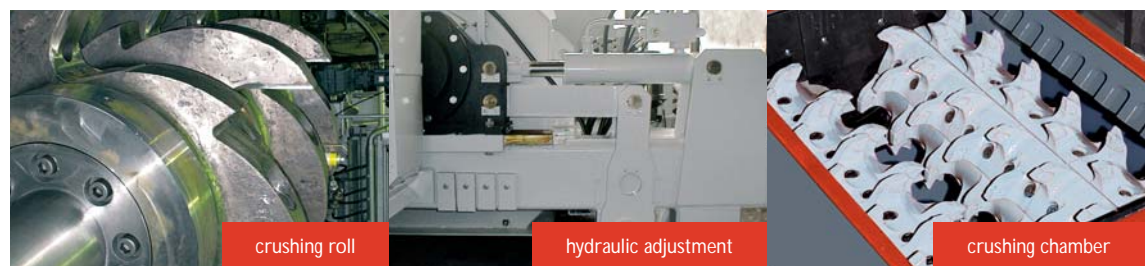
Limestone, overburden, chalk, gypsum, marl, clay, different types of ore, lignite, coal, bauxite, different types of phosphates and similar raw materials.

MODE OF OPERATION

The feed material will be crushed between the counter-rotating rolls using the principle of compression. The crushing rolls are driven individually by electric motors with coupling and gears. They are equipped with an advanced hydraulic gap adjustment system with integrated overload protection to realize different product sizes and to protect the machine against foreign bodies within the feed material.

SANDVIK SERVICE

Sandvik's global network provides reliable and efficient customer support. Spare parts availability and a comprehensive range of services allow improved productivity and maximized plant efficiency. This concept is already implemented in the design phase of the machines. Fast and easy replacement of components and wear parts, including the crushing segments or picks, minimizes unplanned plant downtimes.



Concentrated power *intelligent control*

The Sandvik hybrid CR810 features a compact design as a result of the roll diameter made possible by the aggressive tooth geometry. Thus, minimum space requirements and the distinctive advantages of a classic double roll crusher, such as hydraulic gap adjustment and overload protection, are combined in one machine. Furthermore, the hybrid is able to compensate peaks with “energy storage” in the flywheels.

ADVANTAGES

- Compact design
- Minimum generation of unusable fine material
- High throughput capacities up to 12000 mtph (13228 stph)
- Hydraulic gap adjustment system
- Overload protection
- Processing of wet and sticky materials

CRUSHING ROLLS (1)

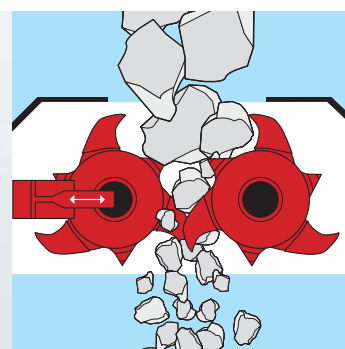
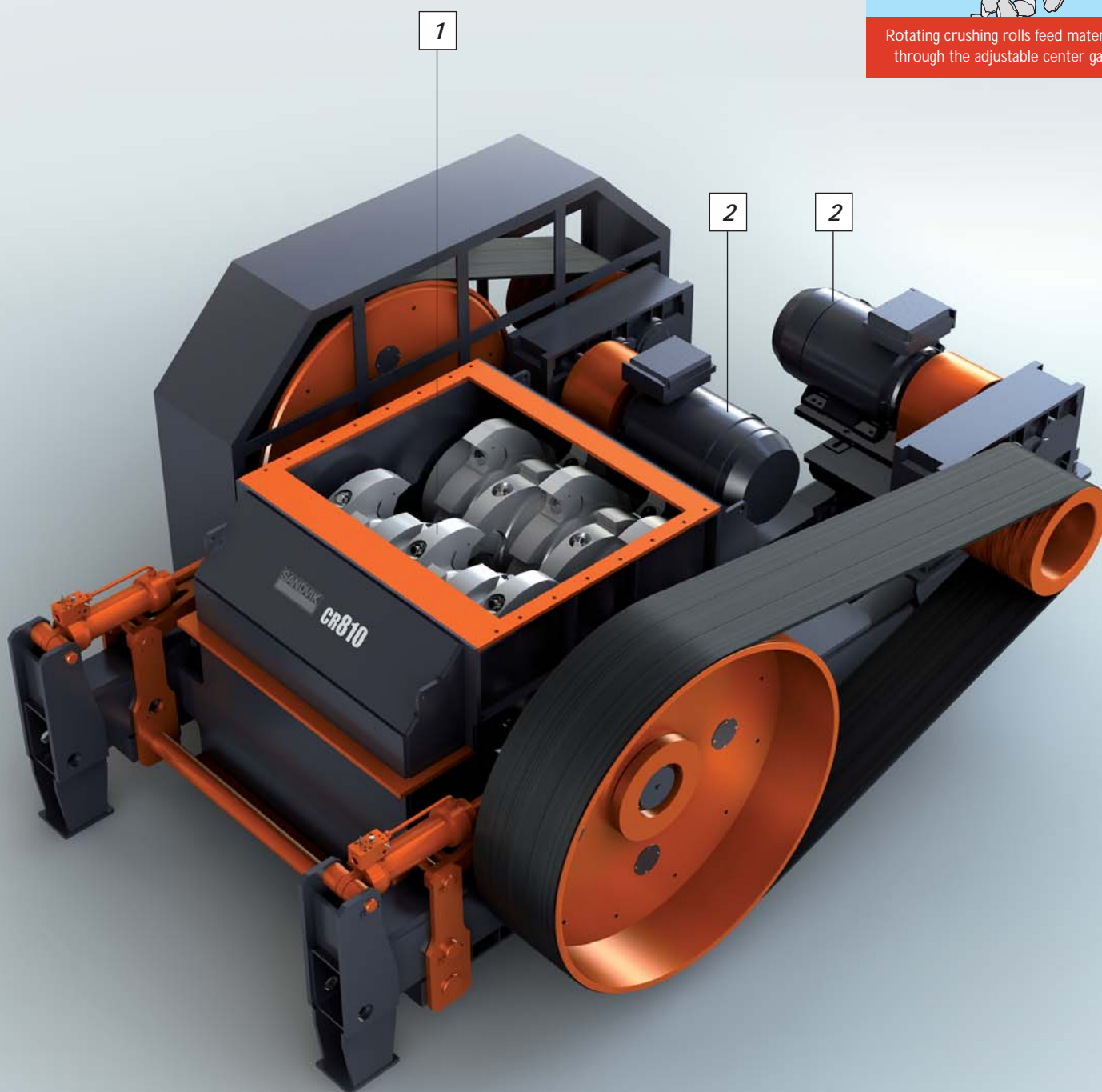
- The CR810 is equipped with crushing rings, segments or crushing picks, depending on the application and feed material characteristics

DRIVE (2)

- The drive consists of electric motors with coupling and gears
- It is also designed for reverse operation
- It uses standard components

SPECIFICATION

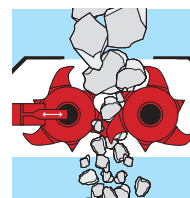
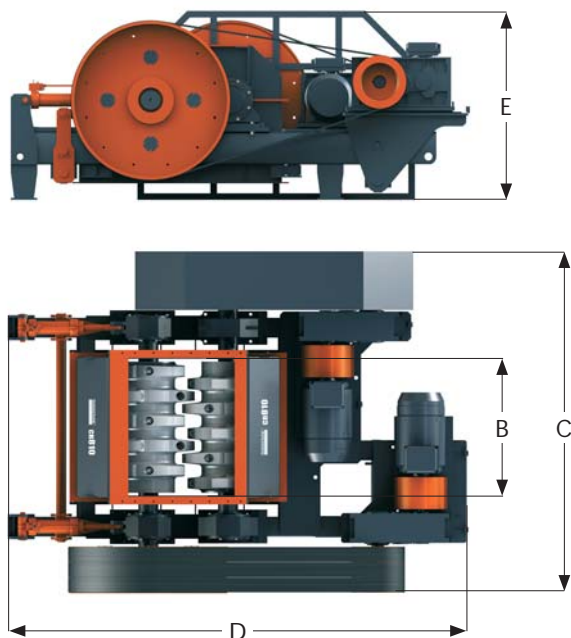
- Feed size: up to 2500 mm (99 in)
- Product size: 80 to 400 mm (3 to 16 in)
- Throughput capacity: up to 12000 mtph (13228 stph)
- Reduction ratio: 1 : 4 up to 1 : 6
- Installed power: up to 2 x 1250 kW (1680 hp)



Rotating crushing rolls feed material through the adjustable center gap

Technical data

hybrid v-belt drive

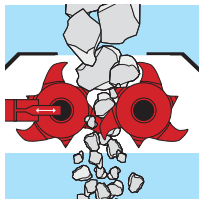
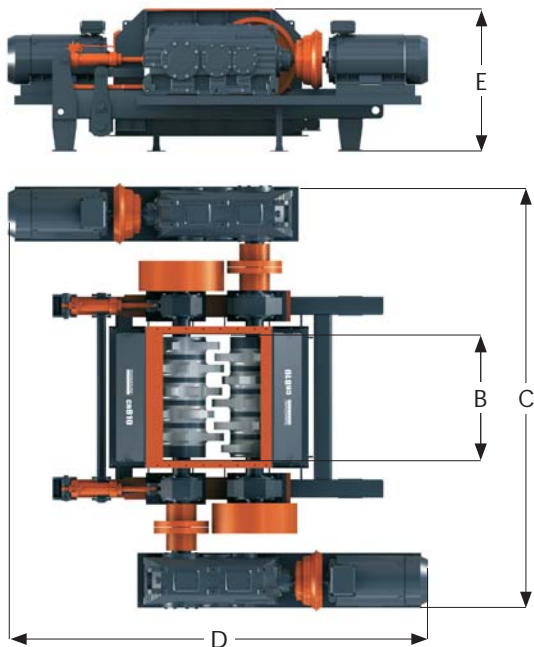


* performance is based on ideal conditions

hybrid	weight tonne ton	max. feed size mm in	max. capacity mtph stph	A* mm in	B* mm in	C* mm in	D* mm in	E* mm in
CR810/08-10	22 (24)	600 (23.62)	1000 (1102)	800 (31.5)	1000 (39.37)	3100 (122)	5000 (197)	1900 (75)
CR810/08-15	28 (31)	600 (23.62)	1500 (1653)	800 (31.5)	1500 (59.06)	3800 (150)	6200 (244)	2000 (79)
CR810/08-20	37 (41)	600 (23.62)	2000 (2205)	800 (31.5)	2000 (78.7)	4600 (181)	6500 (256)	2100 (83)
CR810/08-25	41 (45)	600 (23.62)	2500 (2756)	800 (31.5)	2500 (98.4)	5100 (201)	6700 (264)	2100 (83)
CR810/08-30	46 (51)	600 (23.62)	3000 (3307)	800 (31.5)	3000 (118.1)	5600 (220)	6700 (264)	2100 (83)
CR810/12-15	52 (57)	1200 (47.2)	3000 (3307)	1200 (47.2)	1500 (59.1)	4300 (169)	7500 (295)	2450 (97)
CR810/12-20	57 (63)	1200 (47.2)	4000 (4409)	1200 (47.2)	2000 (78.7)	4800 (189)	7500 (295)	2450 (97)

** further sizes on request

Technical data *hybrid direct drive*



* performance is based on ideal conditions

hybrid	weight tonne ton	max. feed size mm in	max. capacity mtph stph	A* mm in	B* mm in	C* mm in	D* mm in	E* mm in
CR810/14-20	62 (68)	1600 (63.0)	5350 (5897)	1400 (55.1)	2000 (78.7)	7200-7700 (283.5-303.2)	6000-6400 (236.2-252.0)	1900 (75)
CR810/14-25	75 (83)	1600 (63.0)	6650 (7330)	1400 (55.1)	2500 (98.4)	7700-8200 (303.2-327.8)	6400-6700 (252.0-263.8)	2000 (79)
CR810/14-30	86 (95)	1600 (63.0)	8000 (8818)	1400 (55.1)	3000 (118.1)	8200-8700 (322.8-342.5)	6700-7000 (263.8-275.6)	2000 (79)

** further sizes on request

Sandvik is a high-technology engineering group with world-leading positions in selected areas – tools for metal working, advanced materials technology, and mining and construction. We are represented in 130 countries.

Sandvik Mining and Construction represents one third of the overall Sandvik Group and serves a broad range of customers in construction, mineral exploration, mining and bulk materials handling. Our construction expertise covers quarrying, tunneling, demolition and recycling, and other civil engineering applications. Our mining products and services support customers on the surface and under ground, in all mineral, coal and metal mining applications from exploration to ore transportation.

