

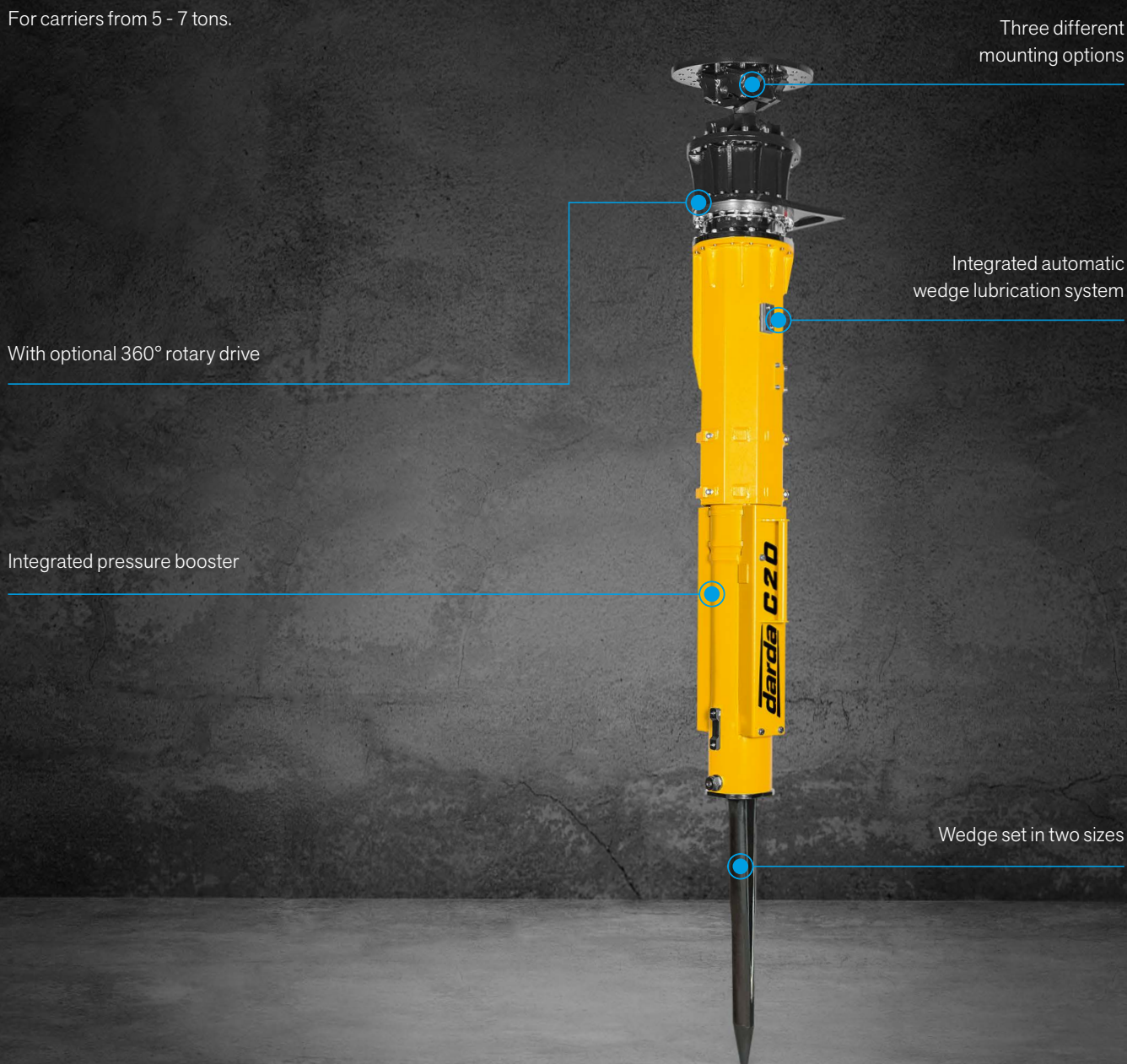
# Rock Splitters C20

Carrier-operated splitting –  
safe and highly productive

The Hydraulic Rock Splitters convince with their high productivity and safety in operation. With a high splitting force that is independent of the input pressure and a slim yet rugged design, they are designed for a wide range of rock demolition applications. The Rock Splitters are also ideal for use in confined conditions, such as tunnel, trench or foundation work.

Depending on type and composition of the rock, there are two possible lengths of wedge set to choose from. For horizontal and vertical use with diverse and special splitting requirements. And best of all: Due to the automatic lubrication system, no manual greasing of the wedge set is necessary.

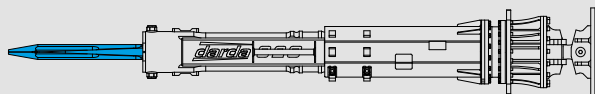
For carriers from 5 - 7 tons.



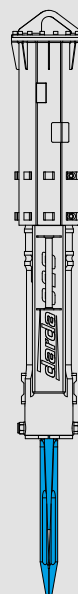
## Facts

- Easy replacement of wear parts
- Rotatable and very maneuverable
- Automatic wedge lubrication
- Multiple mounting options
- Lowest power-to-weight ratio on the market

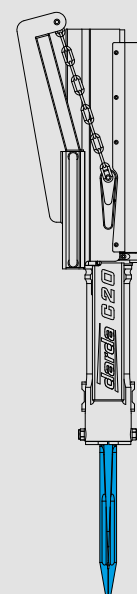
### C20 J



### C20 C



### C20 V



## Specifications | Rock Splitters C20

Dimensions and weight	Vertical				Horizontal	
	C20 C		C20 V		C20 J	
Length <sup>1</sup> x Width x Height	1720 x 305 x 394 mm 68 x 12 x 16 in		1833 x 721 x 557 mm 72 x 28 x 22 in		2153 x 450 x 420 mm 85 x 18 x 17 in	
Weight with N-wedge set <sup>2</sup>	285 kg	630 lb	390 kg	860 lb	375 kg	830 lb
<b>Carriers</b>						
Recommended carrier weight <sup>3</sup>	5 - 7 t				11000 - 16000 lb	
Recommended Brokk machines	Brokk 300 / 500 / 520D					
<b>Hydraulic connection</b>						
Connection pressure, min.	17.5 MPa (175 bar)				2538 psi	
Connection pressure, max.	25 MPa (250 bar)				3626 psi	
Oil flow, min. - max.	25 - 100 l/min				27 gal/min	
Operating pressure	50 MPa (500 bar)				7250 psi	
<b>Wedge set</b>						
Wedge set length N / L	640 / 840 mm				25 / 33 in	
Drillhole diameter	76 mm				3 in	
Drillhole depth N / L, min.	750 / 950 mm				29 / 37 in	
Splitting distance N / L	22 / 25 mm				7/8 / 1 in	
Theoretical splitting force N / L	1500 / 1800 t				3300 lbf / 4000 lbf	
<b>Consumables</b>						
Darda Special Lubricant						
<b>Ordering information</b>						
Article no. with N-wedge set <sup>2</sup>	8381 0420 80		8381 0422 82		8381 0423 82	
Article no. with L-wedge set <sup>2</sup>	8381 0420 81		8381 0422 85		8381 0423 85	

<sup>1</sup> Without wedge set

<sup>2</sup> Without mounting plate

<sup>3</sup> Depending on carrier lifting capacity

**Mounting plates for various carriers on request.**



# Rock Splitters C20

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## Typical applications and possibilities of use

The C20 Rock Splitters break large boulders and solid rock in a short period of time, e.g. in mining and shaft construction as well as in tunneling for cross passages.

The working method is quiet, safe and generates practically no vibrations or dust, unlike demolition hammers or explosives. It offers demolition contractors a productive alternative in areas where potentially disruptive demolition methods are not permitted, such as near hospitals. The C20 is also the safe alternative compared to hand-held tools such as pneumatic demolition hammers, whose heavy vibrations cause fatigue and physical injury over time.

Using the C20 with a Brokk demolition robot enables the operator to work from a safe distance with the remote control and harness – typically 10 to 20 meters.

All in all, the C20 Rock Splitters increase productivity in industries such as mining, quarrying, tunneling, construction and demolition.





