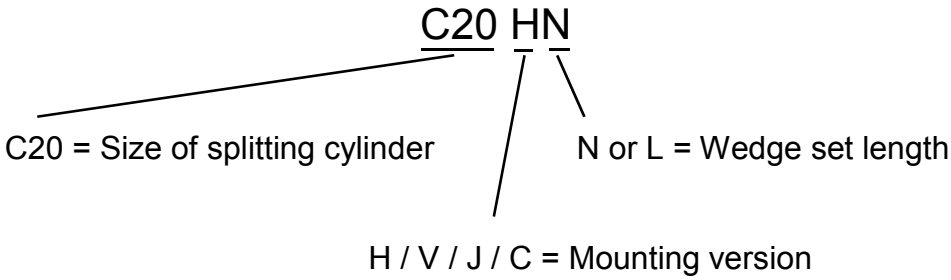
Splitting cylinder C20

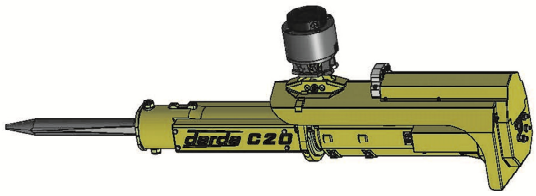
Product abbreviation



Purpose of application

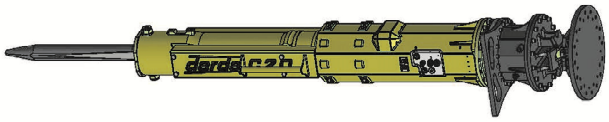
Horizontal splitting
(+/- 45° to the horizontal)

C20 H (**h**orizontal)



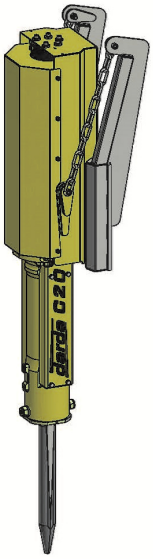
Horizontal and vertical splitting

C20 J (**j**oint)



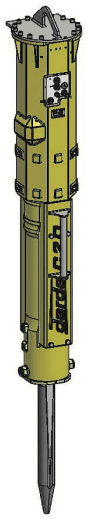
Vertical splitting
(+/- 20° to the vertical)

C20 V (**v**ertical)



Vertical splitting
(+/- 20° to the vertical)

C20 C (**c**hain)



Recommended carrier weight: B260, B400, 5 – 7 t excavator

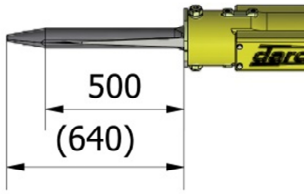
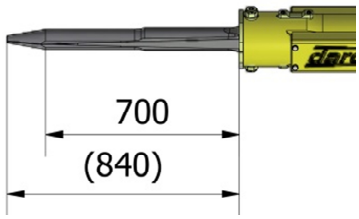
Splitting cylinder C20 in general

All versions with automatic sliding surface lubrication.

- Sliding surface is lubricated while retracting the wedge.
- Up to 180 splits possible.
- With a nearly empty lubricant container the wedge extends slower.
- An empty lubricant container prevents extending the wedge.
- The wedge can always retract also with an empty lubricant container.
- The lubricant container in the cylinder can only filled from a 18 kg container.

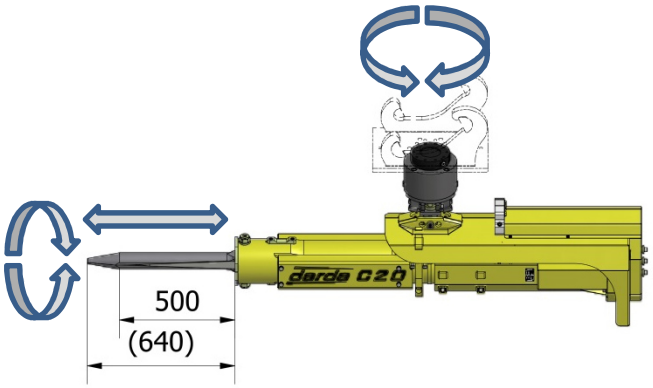
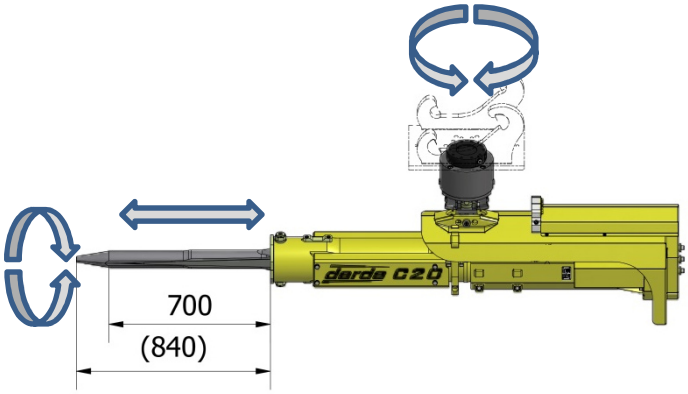
Splitting direction

- C20 H / C20 J / C20 V adjust the splitting direction with a hydraulic function.
- Advantage: The splitting force can work to an open area.

Wedge set		
Type	**N** (**n**ormal)	**L** (**l**ong)
Wedge set length (mm)		
Order no. counter wedge	**3390 2400 00**	**3390 2402 00**
Order no. wedge	**3390 2401 00**	**3390 2403 00**
Required drill hole diameter	Ø76 mm / Ø3“	Ø76 mm / Ø3“
Required drill hole depth	750 mm / 29,5“	950 mm / 37,5“
Splitting distance	22 mm	25 mm (two steps) **First step** Insert the half length of the wedge set into the hole, split and retract the wedge. **Second step** Insert the complete wedge set, split and retract the wedge.
Splitting force (theoretical)	14760 kN / 1500 t	17660 kN / 1800 t

	Order no.
Darda special lubricant 18 kg	3391 0980 20

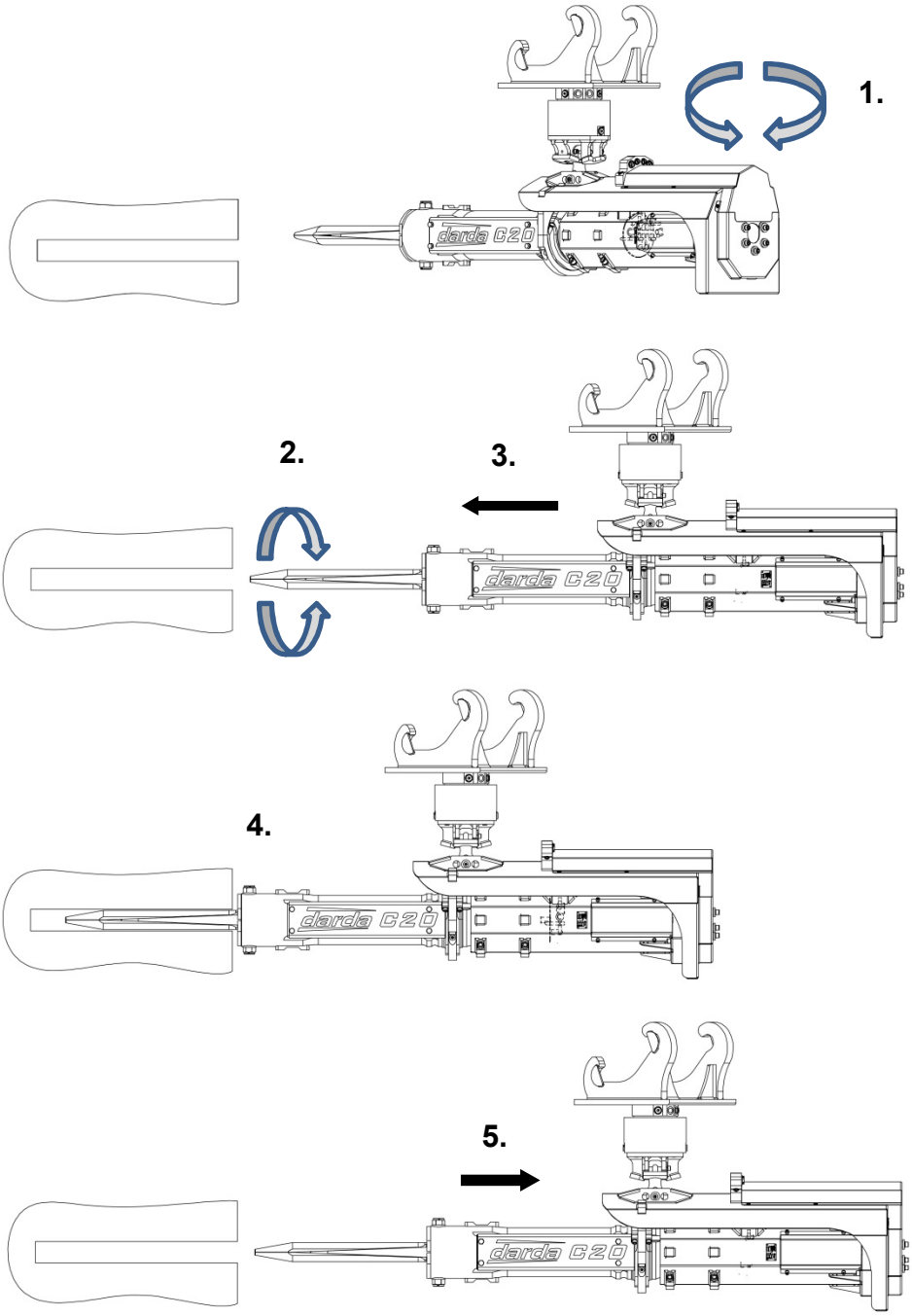
Splitting cylinder C20 H

		Order no.
C20 HN approx. 395 kg		8381 0421 82
C20 HL approx. 405 kg		8381 0421 85

Hydraulic connection max.		
Splitting	180-270 bar	80-100 l/min
Splitting direction	180-270 bar	30 l/min
Rotation	180-270 bar	30 l/min

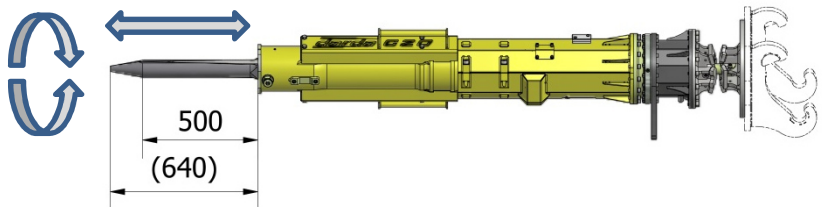
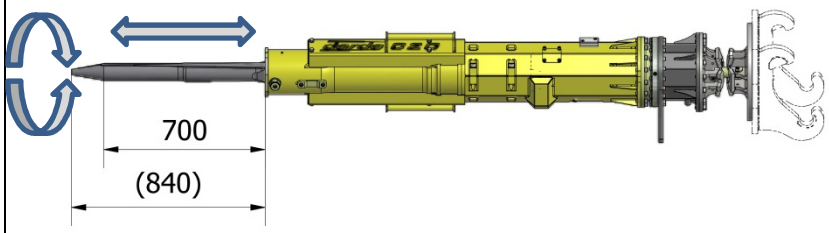
Mounting kit (with 3 hydraulic circuits)	**Order no.**
B260 – C20 H	3390 2218 80
B400 – C20 H	3390 2219 80

Splitting cylinder C20 H



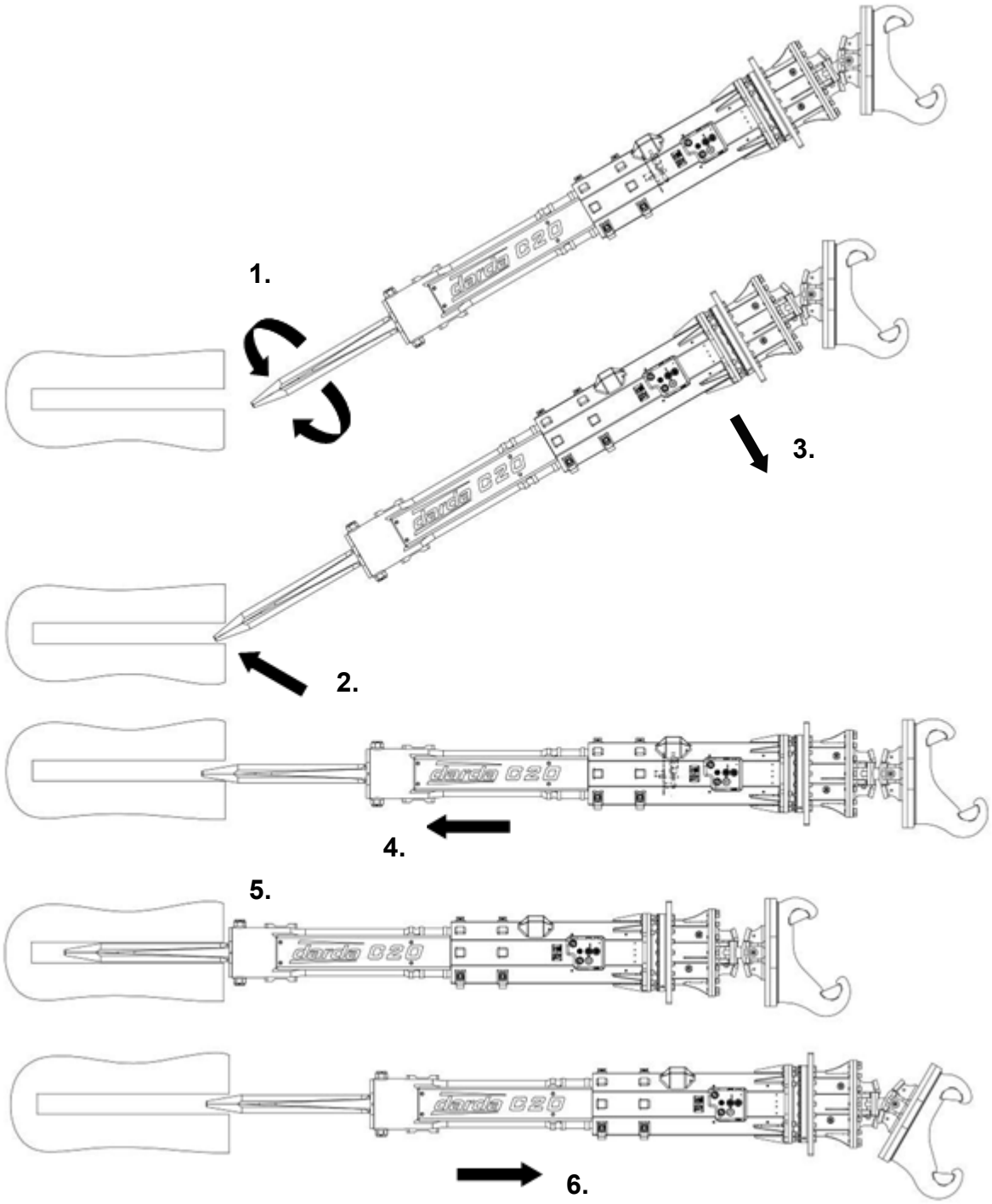
1. Rotat the cylinder the hole.
2. Adjust splitting direction.
3. Insert wedge set into the hole.
4. Split and retract the wedge.
5. Retract the wedge set out of the hole (pulled out in alignment of the cylinder).

Splitting cylinder C20 J

		Order no.
C20 JN approx. 375 kg		8381 0423 82
C20 JL approx. 395 kg		8381 0423 85

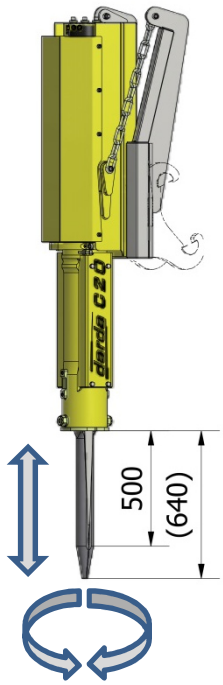
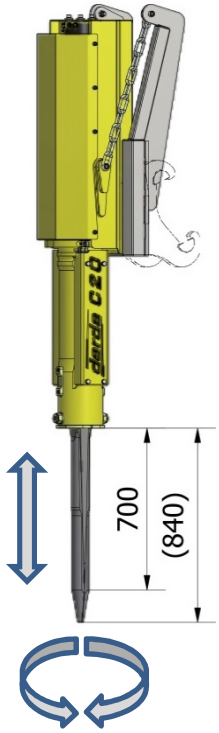
Hydraulic connection max.		
Splitting	180-270 bar	80-100 l/min
Splitting direction	180-270 bar	30 l/min

Mounting kit (with 2 hydraulic circuits)	**Order no.**
B260 – C20 J	3390 2508 80
B400 – C20 J	3390 2509 80



1. Adjust splitting direction.
2. Insert wedge set head into the hole.
3. Align cylinder to the hole.
4. Insert wedge set into the hole.
5. Split and retract the wedge.
6. Retract the wedge set out of the hole (pulled out in alignment of the cylinder).

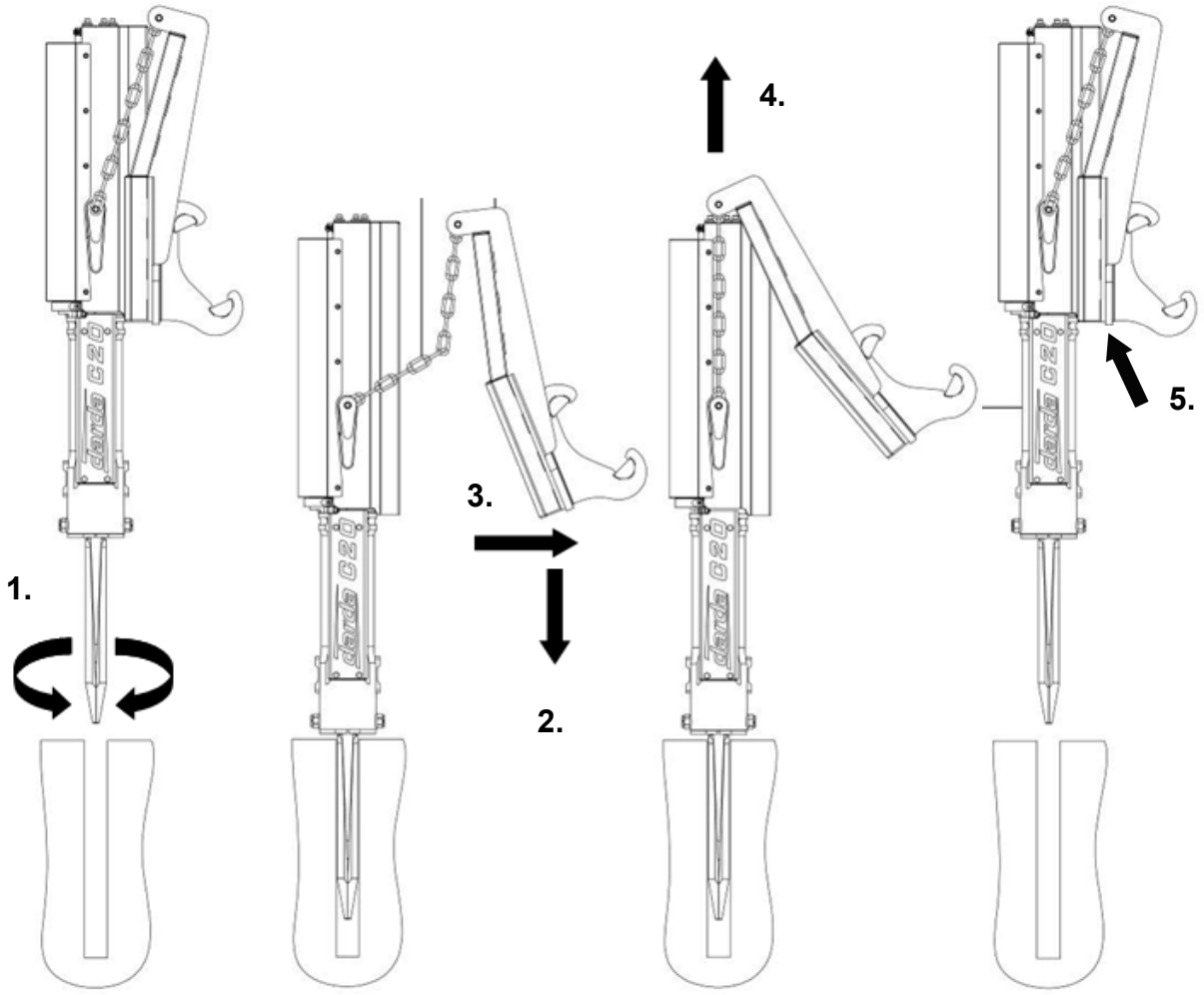
Splitting cylinder C20 V

C20 VN approx. 390 kg	**C20 VL** approx. 410 kg
	
Order no. 8381 0422 82	**Order no.** 8381 0422 85

Hydraulic connection max.		
Splitting	180-270 bar	80-100 l/min
Splitting direction	180-270 bar	30 l/min

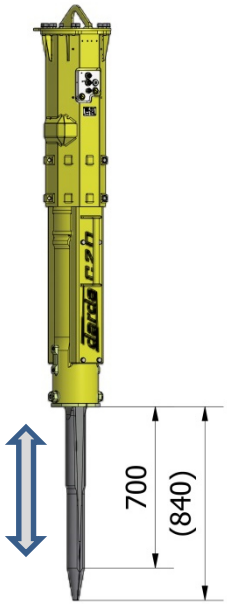
Mounting kit (with 2 hydraulic circuits)	**Order no.**
B260 – C20 V	3390 2305 80
B400 – C20 V	3390 2306 80

Splitting cylinder C20 V



1. Adjust splitting direction.
2. Insert wedge set into the hole. (Cylinder drops down through his own weight).
3. Retract the arm (cylinder stands free), split and retract the wedge.
4. Retract the wedge set out of the hole (pulled out in alignment of the cylinder).
5. Bring cylinder in basic position.

Splitting cylinder C20 C

C20 CN	C20 CL
approx. 285 kg	approx. 305 kg
	
Order no. 8381 0420 80	**Order no.** 8381 0420 81

Hydraulic connection max.		
Splitting	180-270 bar	80-100 l/min

1. Mount the cylinder with a chain on an excavator.
2. Adjust splitting direction by hand.
3. Insert wedge set into the hole.
4. Split and retract the wedge.
5. Retract the wedge set out of the hole (pulled out in alignment of the cylinder).