



**DIN 18799-1**

**Typical application:  
Ladder for building maintenance**

- › The topmost rung must be at the exit level.
- › From an access height of 10,000 mm, the ladder shall be installed with an off set. The maximum length of a ladder section must not exceed 10,000 mm, an intermediate platform shall be designed as a resting platform for lengths in excess of 6,000 mm.
- › The off sets shall be arranged at equal intervals. It may, however, be designed at a different height on request or through the online configurator.
- › Distance of the rung-leading-edge of the ladder to the wall must be at least 150 mm.

**Exemption:**

- › If off sets are not possible for structural reasons, the ladder may also be designed longer than 10,000 mm in one single-section. In this case, the off set must be replaced with a resting platform.

**Exit:**

- › The gap between the access ladder and the exit level shall not be greater than 75 mm. This is provided in the case of a standard wall distance between ladder and building of 210 mm by an exit step.

**Fastening:**

- › The standard wall mounting has a distance between the stile and the building of 210 mm.
- › Other fastening options are available, depending on the distance from the wall.
- › The distance between the individual fastening points shall not exceed 2,000 mm, they shall, however, preferably be mounted immediately beneath the rungs.

**Ladder safety cage:**

- › Distance from the lowest safety cage clamp to the floor: 2,200 mm to 3,000 mm.
- › Safety cage required from access height of 5,000 mm.



## DIN 18799-1 Sample configurations

Building/access height to (m)	Number of ladder sections (pcs.)			Off set** at height (m)	Quantity wall mountings	Quantity of safety cage clamps*	Order no.
	1.960 mm	2.800 mm	3.640 mm				
	0051522	0053965	0053966				
<b>up to 10 m, single-section (incl. ladder safety cage beginning at a maximum of 3 m above the ground)</b>							
2.68	1	–	–	–	6	–	318510
3.52	–	1	–	–	8	2+1	318513
4.64	2	–	–	–	8	3+1	318517
5.48	1	1	–	–	10	3+1	318520
6.60	3	–	–	–	10	4+1	318524
7.44	2	1	–	–	10	4+1	318527
8.28	1	2	–	–	12	5+1	318530
9.12	–	3	–	–	11	6+1	318533
9.96	–	2	1	–	14	6+1	318536
<b>from an access height of 10 m, off set design (incl. ladder safety cage beginning at a maximum of 3 m above the ground)</b>							
10.80	5	1	–	5.54	20	7+1	318548
12.20	–	5	–	6.10	20	9+1	318553
13.88	–	3	2	6.94	22	10+1	318559
15.56	–	1	4	7.78	24	11+1	318565
<b>from an access height of 16 m, off set design (with additional resting platform)</b>							
17.80	–	7	–	8.90	24	13+1	318573
19.48	1	3	3	9.74	28	14+1	318579

### Included in scope of delivery:

- › Standard wall mountings (order no. 0050139)
- › Adequate ladder connections (order no. 0077209)
- › One narrow straight exit (order no. 0053291)
- › Exit step narrow (order no. 0054038)
- › Standard safety cage clamps (order no. 0051600)
- › One clamp fitting the narrow straight exit (order no. 0054051)
- › Safety cage braces to be cut to length (order no. 002272)
- › One pair of diagonal braces per ladder section (order no. 0053340)
- › From access height > 16 m one folding (order no. 0051635)

\*) standard safety cage clamps (order no. 0051600) and a safety cage clamp for the narrow exit (order no. 0054051)

\*\*) includes 1 fixed platform each (order no. 0051630) and 2 pcs. 3/4 clamps (order no. 0053981) with connection (order no. 0053332)

## DIN 18799-1 Application examples

