



EN ISO 14122-4

**Typical application:
Ladder for plant machinery
maintenance**

- › Topmost rung must finish at the same level as the exit platform.
- › 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 6,000 mm.
- › The off sets shall be arranged at equal intervals, 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.

Exit:

- › According to EN ISO 14122-4, the exit point must meet the highest safety requirements. The exit must be secured with a self-closing barrier, the gap between the ladder and the building shall not be greater than 75 mm.
- › The ascent stile must be connected to the exit platform with a 1,500 mm long guardrail on both sides.
- › The guardrail supplied may be omitted if it is possible to connect to a guardrail on the building.

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 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 vertical height of 3,000 mm.



EN ISO 14122-4 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 0051522	2.800 mm 0053965	3.640 mm 0053966	1.	2.	3.			
up to 10 m, single-section (incl. ladder safety cage beginning at a maximum of 3 m above the ground)									
2.68	1	–	–	–	–	–	6	–	338510
3.52	–	1	–	–	–	–	6	2+1	338513
4.64	2	–	–	–	–	–	8	2+1	338517
5.48	1	1	–	–	–	–	10	3+1	338520
6.60	3	–	–	–	–	–	10	4+1	338524
7.44	2	1	–	–	–	–	12	4+1	338527
8.28	1	2	–	–	–	–	12	5+1	338530
9.12	–	3	–	–	–	–	12	6+1	338533
9.96	–	2	1	–	–	–	14	6+1	338536
from an access height of 10 m, off set design									
10.52	2	3	–	5.26	–	–	18	7+1	338547
12.20	–	2	3	4.14	8.06	–	26	10+1	338562
14.16	2	–	4	4.98	9.74	–	28	11+1	338569
15.56	3	5	–	5.26	10.30	–	30	11+1	338574
17.24	4	5	–	5.82	11.42	–	30	13+1	338580
18.36	4	1	4	4.42	9.18	13.94	38	14+1	338593
20.04	10	–	2	5.54	10.52	15.62	38	15+1	338599

Included in scope of delivery:

- › Standard wall mountings (order no. 0050139)
- › Adequate ladder connections (order no. 0077209)
- › One straight wide exit with step and barrier (order no. 0053298)
- › Standard safety cage clamps (order no. 0051600)
- › One clamp fitting the wide straight exit and safety cage braces (order no. 0054050)
- › Safety cage braces to be cut to length (order no. 002342)
- › One pair of diagonal braces per ladder section (order no. 0053340)
- › An exit handrail for each side, left and right (order no. 0053335 + 0053336)

Note:

Suitable protective equipment (e.g. lockable equipment) have to be present, to ensure, that only authorised and qualified and fully equipped users access the vertical ladder. We recommend the HYMER-access barriers (see page 178).

*) 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)

EN ISO 14122-4 Application examples

