



Fig.: Order no. 60007

Shaft ladder hot dip galvanised steel

- Clear width 300 mm/400 mm
- Rectangular tube side-rails, 50 x 20 mm
- Non-slip perforated rungs
- Various wall anchors available as accessories

Number of rungs	Ladder length approx. m	Outer width mm	Clear width mm	Order no.	Outer width mm	Clear width mm	Order no.
4	1.12	340	300	60004	440	400	61004
5	1.40	340	300	60005	440	400	61005
6	1.68	340	300	60006	440	400	61006
7	1.96	340	300	60007	440	400	61007
8	2.24	340	300	60008	440	400	61008
9	2.52	340	300	60009	440	400	61009
10	2.80	340	300	60010	440	400	61010
11	3.08	340	300	60011	440	400	61011
12	3.36	340	300	60012	440	400	61012
13	3.64	340	300	60013	440	400	61013
14	3.92	340	300	60014	440	400	61014
15	4.20	340	300	60015	440	400	61015



Fig.: Order no. 62007

Shaft ladder V4A (1.4571) stainless steel

- Pickled and passivated
- Clear width 300 mm/400 mm
- Rectangular tube side-rails, 50 x 20 mm
- Non-slip perforated rungs
- Various wall anchors available as accessories



Suitable for use in drinking
water and waste water areas

Number of rungs	Ladder length approx. m	Outer width mm	Clear width mm	Order no.	Outer width mm	Clear width mm	Order no.
4	1.12	340	300	62004	440	400	63004
5	1.40	340	300	62005	440	400	63005
6	1.68	340	300	62006	440	400	63006
7	1.96	340	300	62007	440	400	63007
8	2.24	340	300	62008	440	400	63008
9	2.52	340	300	62009	440	400	63009
10	2.80	340	300	62010	440	400	63010
11	3.08	340	300	62011	440	400	63011
12	3.36	340	300	62012	440	400	63012
13	3.64	340	300	62013	440	400	63013
14	3.92	340	300	62014	440	400	63014
15	4.20	340	300	62015	440	400	63015

Shaft ladder GFRP

- Clear width 300 mm/400 mm
- Rectangular side-rails 58 x 25 mm
- Grooved rungs
- Various wall anchors available as accessories

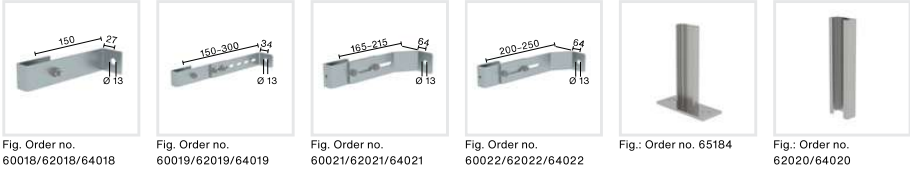
Number of rungs	Ladder length approx. m	Outer width mm	Clear width mm	Order no.	Outer width mm	Clear width mm	Order no.
4	1.12	350	300	64004	450	400	64104
5	1.40	350	300	64005	450	400	64105
6	1.68	350	300	64006	450	400	64106
7	1.96	350	300	64007	450	400	64107
8	2.24	350	300	64008	450	400	64108
9	2.52	350	300	64009	450	400	64109
10	2.80	350	300	64010	450	400	64110
11	3.08	350	300	64011	450	400	64111
12	3.36	350	300	64012	450	400	64112
13	3.64	350	300	64013	450	400	64113
14	3.92	350	300	64014	450	400	64114
15	4.20	350	300	64015	450	400	64115



Fig.: Order no. 64007

- Country-specific regulations need to be considered with regard to safety railings
- In Germany, the Technical Regulations or Workplaces and German Social Accident Insurance (DGUV) regulations apply
- Shaft ladders with a fall height of more than 5 m need to be equipped with equipment to prevent falling, such as fall protection equipment or a tripod with fall arrester with a rescue function
- Safety railings are required with fall heights of more than 3 m in clarification plants (see DIN EN 12255-10 and DGUV Regulation 103-007)
- Protection against falling is required regardless of the fall height if there is a danger of falling into or drowning in liquid matter.
- Special regulations may apply in residential water management facilities and in landfill facilities

Shaft ladder accessories, stainless steel/steel



Galvanised steel material	Order no.
Wall anchor, rigid 150 mm	60018
Wall anchor adjustment range 150–300 mm	60019
Wall anchor adjustment range 165–215 mm	60021
Wall anchor adjustment range 200–250 mm	60022
Wall anchor adjustment range 280–330 mm	60023
Wall anchor adjustment range 360–410 mm	60024
Material: V4A (1.4571) stainless steel	Order no.
Wall anchor, rigid 150 mm	62018
Wall anchor adjustment range 150–300 mm	62019
Wall anchor adjustment range 165–215 mm	62021
Wall anchor adjustment range 200–250 mm	62022
Wall anchor adjustment range 280–330 mm	62023
Wall anchor adjustment range 360–410 mm	62024
Material: V4A (1.4571) stainless steel	Order no.
Base plate	65184
Ladder connections for extending	62020

Accessories GFRP

Material: V4A (1.4571) stainless steel	Order no.
Wall anchor rigid, 150 mm, for glass-fibre reinforced plastic ladder	64018
Wall anchor adjustment range 150–300 mm, for GFRP ladder	64019
Wall anchor adjustment range 165–215 mm, for glass-fibre reinforced plastic ladder	64021
Wall anchor adjustment range 200–250 mm, for glass-fibre reinforced plastic ladder	64022
Wall anchor adjustment range 280–330 mm, for glass-fibre reinforced plastic ladder	64023
Wall anchor adjustment range 360–410 mm, for glass-fibre reinforced plastic ladder	64024
Base plate	65184
Ladder connections for extending, for for glass-fibre reinforced plastic ladder	64020

Note: 2 sets (= 4 no.) of wall anchors are needed for ladders with 4 – 9 rungs, 3 sets (= 6 no.) of wall anchors for ladders with 10 – 15 rungs, and 5 sets (= 10 no.) of wall anchors for ladders with 16 – 24 rungs 1 set = 2 no. (1x right, 1x left). Wall **plugs** and bolts are to be used to fasten the ladder to the shaft rather than nuts and screwed bolts when their suitability has been verified at the place where the ladder is used. They have to be selected in accordance with the force acting on the ladder anchoring point as stated by the manufacturer. Dowels and screws for attachment to the wall are not included in the delivery. Please contact well-known dowel suppliers for information.

Stirrup irons

- For single-flight manhole ladders
- Available in various designs
- With seamless high-density polypropylene coating in orange or black
- According to DIN 19555, DIN V 1264 and DIN EN 13101
- Also suitable for retrofitting

Shape A	V2A (1.4541) stainless steel	Steel
Order no.	65171 (orange)	65170 (black)
Shape B	V2A (1.4541) stainless steel	Steel
Order no.	65173 (orange)	65172 (black)



Shape A in black



Shape B in black

Entry aid for mobile use

- Made of V4A (1.4571) stainless steel, pickled and passivated
- Particularly economical due to mobile use, only the sleeve remains permanently in the shaft
- Only in conjunction with socket art. no. 65002 or 65005

Length in m	1.60
Weight in kg	5.9
Order no.	65001



Socket

- Suitable for entry aid with order no. 65001
- Available in pickled and passivated V4A (1.4571) stainless steel (round design) or galvanised steel (rectangular)
- Wall clearance 40 mm

Material	V4A (1.4571) stainless steel	Galvanised steel
Weight in kg	0.9	1.1
Order no.	65002	65005

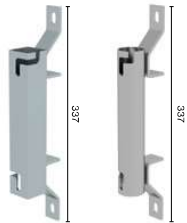


Fig. Order no. 65005 (left) and 65002 (right)



Fig.: Order no. 65003

Entry aid for wall mounting

- Made of pickled and passivated V4A (1.4571) stainless steel or galvanised steel
- Can be lowered for fastening to the wall

Material	V4A (1.4571) stainless steel	Galvanised steel
Length	1.45	1.45
Weight in kg	3.5	3.8
Order no.	65003	65006



Fig.: Order no. 65004

Entry aid for ladder side-rail

- Made of pickled and passivated V4A (1.4571) stainless steel or galvanised steel
- Can be lowered, for fastening to ladder side rails from 50 x 20 to 60 x 25 mm (not for glass-fibre reinforced plastic shaft ladders)

Material	V4A (1.4571) stainless steel	Galvanised steel
Length	1.50	1.50
Weight in kg	4.7	4.3
Order no.	65004	65007

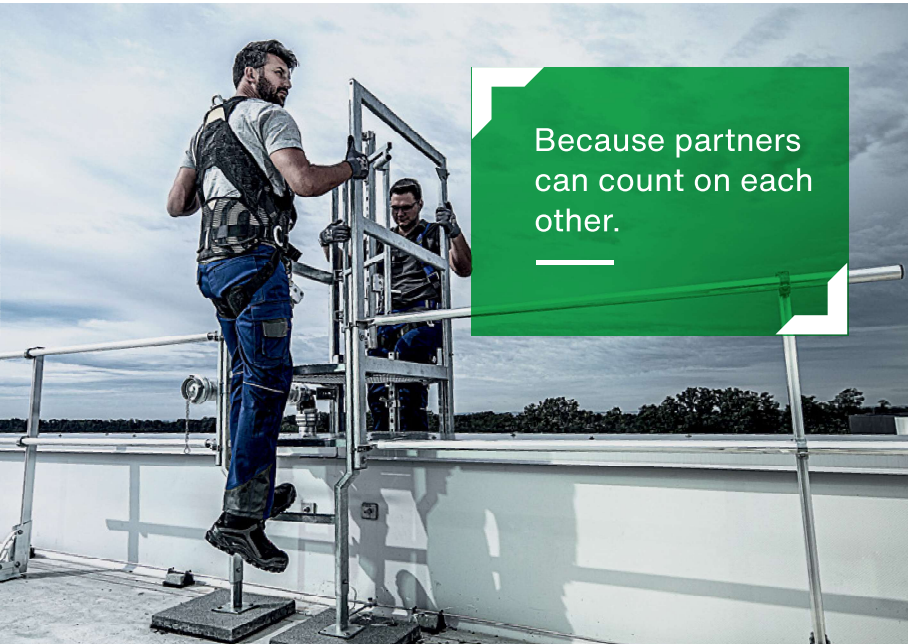


Fig.: Order no. 65008

Double side-rail entry aid

- Made of pickled and passivated V4A (1.4571) stainless steel or galvanised steel
- Can be lowered, complete with fixtures for 50 x 20 mm ladder side-rail
- For ladder widths 340 and 440 mm

Material	Working length approx.	for ladder width in mm	Length entry aid m	Weight in kg	Order no.
Galvanised steel	1.10	340	1.56	5.4	65008
	1.10	440	1.56	6.4	65010
V4A stainless steel	1.10	340	1.56	5.4	65009
	1.10	440	1.56	6.4	65011



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