



## APPLICATION

The portable ladders are mobile work equipment that can be used in different places and situations. The ladders commercialized by Tractel, are manufactured from fiberglass, which makes them light, strong, robust and insulating (up to 1000 VAC). They can support a maximum load of 150 kg.

Thanks to its insulating properties, resilience and strength, fiberglass is particularly well suited to the chemical, offshore, gas and electricity industries.

The range consists of 4 ladders:

- Single ladder
- Double-sided stepladder
- Double-sided stepladder deep steps
- Single-sided ladder deep steps

## TECHNICAL CHARACTERISTICS

Ladders are made from closed, armored hollow fiberglass composite profiles.

The fiberglass ladders are insulated up to 1000 VCA. Capacity: 150 kg.

The product is available in several types (to refer to Appendix 1):

- Single ladder (Fig. 1), from 6 to 22 steps, with a standard step size of 28 x 28 mm.
- Double-sided stepladder (Fig. 2), ranging from 2x4 to 2x22 steps, with a standard steps size of 28 x 28 mm.
- Double-sided stepladder deep steps, from 2x3 to 2x12 steps, with wide steps of 88 x 28 mm (Fig. 3) for greater comfort.
- Single-step ladder deep steps (Fig. 4), ranging from 3 to 12 steps, with tread dimensions of 88 x 28 mm.

## APPLICABLE STANDARDS

**The above ladders have been tested and comply with the following:**

- EN 131-1:2015+A1:2019: Dimensional requirements
- EN 131-2:2010+A2:2017: Mechanical tests
- EN 131-3:2018.3: User instructions and marking requirements
- Dielectric test (1000V) conducted in accordance with EN 131-2:2010+A1:2012 section 5.16.3, referencing test report: MTz7P07893-R01 from RISE 2017-12-11

**STANDARD PRODUCTS**

Codes	Description	Number of steps	Weight (kg)	Transport length (m)	Vertical reachable height (m)
<b>Single ladder – Fiberglass – EN131</b>					
286527	Single ladder - 1,93m - Up to 1,81m	6	4,5	1,93	1,81
286537	Single ladder - 2,49m - Up to 2,34m	8	6,2	2,49	2,34
286547	Single ladder - 3,05m - Up to 2,87m	10	7,4	3,05	2,87
286557	Single ladder - 3,61m - Up to 3,39m	12	8,7	3,61	3,39
286567	Single ladder - 4,17m - Up to 3,92m	14	11,9	4,71	3,92
286577	Single ladder - 4,73m - Up to 4,45m	16	13,5	4,73	4,45
286587	Single ladder - 5,29m - Up to 4,97m	18	15,1	5,29	4,97
286597	Single ladder - 5,85m - Up to 5,50m	20	16,0	5,85	5,50
286607	Single ladder - 6,41m - Up to 6,02m	22	17,5	6,41	6,02

<b>Double-sided stepladder – Fiberglass – EN131 Standing</b>					
286757	Double-sided stepladder 1,19m	2X4	6,2	1,27	1,19
286767	Double-sided stepladder 1,45m	2X5	8,6	1,55	1,45
286777	Double-sided stepladder 1,71m	2X6	10,1	1,83	1,71
286787	Double-sided stepladder 1,98m	2X7	11,6	2,11	1,98
286797	Double-sided stepladder 2,24m	2X8	13,2	2,39	2,24
286807	Double-sided stepladder 2,50m	2X9	14,2	2,67	2,50
286817	Double-sided stepladder 2,77m	2X10	16,4	2,95	2,77
286827	Double-sided stepladder 3,29m	2X12	19,5	3,51	3,29
286837	Double-sided stepladder 3,81m	2X14	26,3	4,07	3,81
286847	Double-sided stepladder 4,34m	2X16	32,0	4,63	4,34
286857	Double-sided stepladder 4,86m	2X18	36,6	5,19	4,86
286867	Double-sided stepladder 5,39m	2X20	39,3	5,75	5,39
286877	Double-sided stepladder 5,91m	2X22	43,0	6,31	5,91

Codes	Description	Number of steps	Weight (kg)	Transport length (m)	Vertical reachable height (m)
<b>Double-sided stepladder deep steps – Fiberglass – EN131</b>					
286887	Double-sided stepladder deep steps 0,70m	2X3	5,6	0,75	0,70
286897	Double-sided stepladder deep steps 0,94m	2X4	7,6	1,00	0,94
286907	Double-sided stepladder deep steps 1,17m	2X5	9,4	1,25	1,17
286917	Double-sided stepladder deep steps 1,41m	2X6	11,4	1,50	1,41
286927	Double-sided stepladder deep steps 1,64m	2X7	13,0	1,75	1,64
286937	Double-sided stepladder deep steps 1,88m	2X8	15,8	2,00	1,88
286947	Double-sided stepladder deep steps 2,11m	2X9	17,4	2,25	2,11
286957	Double-sided stepladder deep steps 2,35m	2X10	19,6	2,50	2,35
286967	Double-sided stepladder deep steps 2,54m	2X11	21,0	2,71	2,54
286977	Double-sided stepladder deep steps 2,82m	2X12	24,2	3,00	2,82

Single-sided stepladder deep steps – Fiberglass – 131					
286987	Single-sided stepladder deep steps 1,32m	3	7,0	1,41	0,70
286997	Single-sided stepladder deep steps 1,56m	4	7,9	1,66	0,94
226836	Single-sided stepladder deep steps 1,79m	5	9,4	1,91	1,17
226846	Single-sided stepladder deep steps 2,03m	6	11,4	2,16	1,41
226856	Single-sided stepladder steps 2,24m	7	12,0	2,41	1,64
226866	Single-sided stepladder steps 2,50m	8	13,4	2,66	1,88
226876	Single-sided stepladder steps 2,73m	9	16,0	2,91	2,11
226886	Single-sided stepladder steps 2,79m	10	18,0	3,16	2,35
226896	Single-sided stepladder steps 3,16m	11	19,0	3,41	2,54
226906	Single-sided stepladder steps 3,44m	12	20,7	3,66	2,82

**Appendix 1**



**Fig. 1**



**Fig. 2**



**Fig. 3**



**Fig. 4**