

The spigot and socket for connection are integrated on the ends of each stainless steel riser pipe section (i.e. not welded on after fabrication). Each incorporates an anti-twist lock; the connection is joined securely together by a retaining spiral. A sealing ring certified for drinking water applications ensures watertightness.

- secure against tensile load for installation depths up to 300 m and deeper
- secure against twisting
- pressure rating 40 bar (watertightness tested to 100 bar)
- minimal increase in O.D. at connection
- corrosion-resistant
- quick, convenient and secure assembly / disassembly



Transport packing for pipe supply

The riser pipe sections are Steku® pipe available in 1.4301 (V2A) as the standard version, with other stainless steel versions also available including 1.4571 (V4A), 1.4539 as well as AISI 304L or 316L. Section lengths of 6 m and 3 m are available; shorter sections 2 m and 1 m long are also available for realization of specific overall lengths. When designing and installing, keep in mind that the effective length when installed is slightly shorter than the length as supplied (e.g. roughly 95 mm shorter for DN 100 pipe), i.e. a 6 m long section will take up a length of 5.91 m in the installed line (see Table below). Incremental overall lengths can be realized with an additional short

section or by the well head adapter. The adapters for the pump and for the well head are each 0.5 m long. Adapters in custom lengths are also available upon request.

Nominal diameter DN	50	65	80	100	125	150	200
Insertion depth of connection (mm)	70	70	85	95	95	110	115
6 m	5.94	5.94	5.92	5.91	5.91	5.90	5.89
3 m	2.93	2.93	2.92	2.91	2.91	2.89	2.89
2 m	1.93	1.93	1.92	1.91	1.91	1.89	1.89
1 m	0.93	0.93	0.92	0.91	0.91	0.89	0.89

The pipe section lengths given above are approximate lengths only subject to length tolerances for stainless steel pipe.

Data Sheet / Riser Line



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Installation Tools

Installation of the riser line is carried out using a wooden support clamp. The support clamp holds the riser line in place (over the well casing) as the next riser pipe section is placed on it. The riser line O.D.'s are standard DIN diameters. Therefore wooden support clamps for standard DIN diameters can be used in installation. The support clamp is also available in a V2A stainless version incorporating metal-free gripping pads. In addition, a hoisting socket is required to lift the next riser pipe section and set it in place on the riser

line. A shackle is used to connect the hoisting socket to the hoisting crane. Use only Steku® hoisting sockets, do not use hoisting sockets from other manufacturers as they do not fit properly.



Support clamps: wooden version and stainless version with grip pads



Hoisting sockets

Accessories

The riser line must be installed centrally, i.e. in line with the central axis of the well. We therefore recommend installation with a polypropylene (PP) centering insulator

on at least every third riser pipe section. Stainless-steel insulators with plastic rollers are also available upon request, however at additional cost as they must be fabricated individually.

Nominal diameter DN	50	65	80	100	125	150	200
Maximum O.D. of socket (mm)	80	96	112	140	166	198	254
Pipe O.D. (mm)	60.3	76.1	88.9	114.3	139.7	168.3	219.1
Pipe wall thickness (mm)	2.0	2.0	2.6	3.0	3.0	3,0	4,0
Sealing ring dimensions	58x5	72x5	86x5.5	110x6	135x6	165x7.5	215x7.5
Outer diameter of retaining spiral (mm)	7	7	8	9	9	11.5	11.5
Length of retaining spiral	190	240	280	355	435	510	675
Weight per metre pipe (kg)	2.9	3.7	5.6	8.3	10.2	12.4	21.5
Volume per metre pipe (l)	2.5	4.1	5.5	9.2	14.0	20.7	35.0
Tensile force rating (kN)	50	65	80	100	125	150	200
Pressure rating (bar)	40	40	40	40	40	40	40
Throughput at v=1.5m/s (m ³ /h)	13.5	22.1	29.7	49.7	75.6	111.8	189.0