

# UNDER PRESSURE TAPPING SLEEVE – STA. TT

## TECHNICAL SPECIFICATIONS

### DESCRIPTION

Because of its light-weight and easy installation the tapping sleeve is extremely useful to make flange connections on pipelines, even under pressure. The Tapping sleeves have a standard working range of 20 mm and are available from range 88 - 110 mm. up to 768 - 798 mm. Standard length available are 300, 400, 500, 600, 800 and 1000 mm. The used flanges are all according DIN2576.



### TECHNICAL DATA

<b>Bolts</b>	Stainless steel AISI 304 (A2); M16 (metric thread according DIN267). Standard Bolts point upwards. It is also possible to point them downwards.
<b>Lifterbar</b>	Stainless steel AISI 304 (A2). L shaped. Lips hold bolts in position while tightening.
<b>Nuts</b>	Stainless steel AISI 304 (A2). M16 according DIN934. Zinc plated to optimize free running.
<b>Body Shell</b>	Stainless steel AISI 304 (A2). With a reinforced upper section.
<b>Armour plate</b>	Stainless steel AISI 304, vulcanised into the gasket.
<b>Gasket</b>	Full circle EPDM or NBR gasket with special designed sealing ring, proper for both gas and water purposes. It has a waffle structure and tapered ends. Viton gaskets are optional.
<b>Sidebar</b>	Stainless steel AISI 304.
<b>Guide finger</b>	Stainless steel AISI 304, Guide fingers keep the bolts in position.
<b>Welded collar</b>	Stainless steel AISI 304, TIG welded on the <b>in-</b> and <b>outside</b> to form permanent fusion with the body shell and flange. total height of the collar is app.120mm up to flange DN 150 and for flange DN 200 up to DN 300, depending on pipe diameter.
<b>Flange outlet</b>	Stainless steel AISI 304, flanges according to DIN2576. varying from DN 50 up to DN300.
<b>Additional</b>	After welding all stainless steel parts are passivated to obtain a high corrosion resistance. Further to the above mentioned technical specifications; products are also available in AISI 316/316L quality.

### WORKING PRESSURE:

Pipe outer-Ø [mm]	Water [bar]	Gas [bar]
88 - 210	16	4
216 - 410	16	3
420 - 798	6	2

The working pressure a Tapping Sleeve can withhold depends on a number of variables, for instance; diameter in combination with the used material and type of flange, etc. that is why the pressures given here are guidelines.

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### FLANGE SIZE IN COMBINATION WITH STARTING RANGES AND LENGTH:

flange	min. Length	starting range	flange drilling
DN 50	300	88 - 110	PN 10 / 16
DN 65	300	88 - 110	PN 10 / 16
DN 80	400	88 - 110* / 108 - 128	PN 10 / 16
DN 100	400	108 - 128* / 133 - 153	PN 10 / 16
DN 125	400	133 - 155	PN 10 / 16
DN 150	400	159 - 180* / 169 - 189	PN 10 / 16
DN 200	500	210 - 230* / 240 - 260	PN 10 / 16
DN 250	600	315 - 335	PN 10
DN 300	on request		

\* : Including a stainless steel concentric reducer .

### RUBBER GASKETS AVAILABLE

Rubber:	NBR	EPDM	VITON
Application:	Gas, Water, Oil and Several chemicals.	Hot Water / Steam and several chemicals.	Very Hot water, almost all chemicals.
Temperature:	-40° +130°	-40° +130°	-25° +220°

