

CONNECT + CONTROL



Pegler Yorkshire



## WRAS APPROVED STAINLESS STEEL TUBE

**XP**ress

### \*SAVE UP TO 20% ON YOUR NEXT CONTRACT

- + Available in sizes 15, 18, 22, 28, 35, 42 & 54mm in 6 metre lengths
- + Upgrade your next application from carbon tube to 444 stainless steel
- + Already established within Europe as the 316 alternative
- + Absence of nickel means a lower cost alternative to using 316
- + 25 year guarantee
- + Can be used up to 16 bar



- + Opportunity to use one pipe material for multiple applications
- + Application suitable for chilled water, potable water where water quality and hygiene are crucial, pharmaceutical, food and healthcare environments and sprinkler system applications

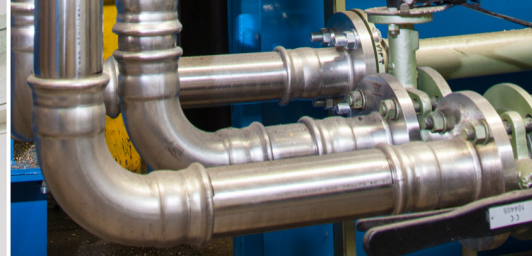
**\*COMPARED TO USING  
316 STAINLESS STEEL PIPE**



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## SPECIFICATIONS

### XPRESS STAINLESS STEEL TUBE (SS630) 1.4521 (AISI 444)

XPress Nickel free stainless steel tube is ideally suited for a wide range of applications, making it a cost effective alternative to 316.

#### APPLICATIONS

- + Potable Water
- + Heating Installations
- + Cooling and Chilled water installations
- Compressed air
- + Pharmaceutical, food and healthcare environments
- + Sprinkler Applications

\*Further additives for antifreeze must be compatible with EPDM O Rings. Approval must be sought from Pegler Yorkshire prior to installation.

TECHNICAL CHARACTERISTICS	
Material	XPress Stainless steel tube X2CrMoTi 18 2 Material no. 1.4521 according to DIN-EN 10088-2
Approvals	WRAS, DVGW, SVGW, ETA, FM, OVGW, FG, LPCB, DNV, GL, LR, UL, cUL
Tolerances	According to EN 10312 Table 2
Finishing	Annealed under a protective atmosphere W2R
Surface finish	Matt silver coloured
Marking	XPress Stainless DN[/size x wall thickness] mm, Edelstahl Stainless steel, 1.4521/AISI444 W2R, EN 10312, DVGW GW541 Reg. Nr. DW-7301BP5610, SVGW, ÖVGW, ETA, LPCB, <FM> [working pressure FM] psi, C(UL) US Listed 4NB1 [working pressure UL] psi, DNV, GL, NDE, Tectite 316 [batch number or production date], [supplier code][max. every 60cm the model designation repeated]
Smallest bending radius	3.5 x external diameter of the tube (max. 28mm)
Supply mode	Tubes, length of 6m +0/-50mm, with protective caps (Green)
Heat expansion coefficient	0.0104mm/m with $\Delta T = 1K$
Max. operating pressure	16 bar

### Material Specification of 304 vs 444 vs 316

304	C	Mn	Si	P	S	Cr	Mo	Ni	N	Ti
Min						18		8		
Max	0.08	2	0.75	0.045	0.03	20		10.5	0.1	
444	C	Mn	Si	P	S	Cr	Mo	Ni	N	Ti
Min						17.5	1.5			
Max	0.025	1	1	0.04	0.03	19.5	2.5	1		0.8
316	C	Mn	Si	P	S	Cr	Mo	Ni	N	Ti
Min						16	2	10		
Max	0.08	2	0.75	0.045	0.03	18	3	14	0.1	

- + Chromium (Cr): General corrosion resistance
- + Molybdenum (Mo): Pit/crevice corrosion resistance as well as resistance to chlorides
- + Titanium (Ti): Strength and formability

#### HEAD OFFICE

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