

TUBES

St52.3 Hydraulic Tube

Typical Analysis (Ave. values %)	C	Si	Mn	P	S
	≤0.2	≤0.55	≤1.6	≤0.035	≤0.035
NEAREST STANDARD	SAE	DIN	AFNOR	SIS	
	1518	1.0570	20 M5	2172	

DESCRIPTION	Low carbon steel grade, excellent weldable, the most widely used steel grade used for cylinder tubes. Normally supplied stressed relieved and annealed to either Din 2391-C for seamless tubes or Din 2393-C for welded tubes. Supplied either stressed relieved and annealed or normalised.
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MECHANICAL PROPERTIES	Ruling section	Yield Strength MPa	Tensile Strength MPa	Elong. %
	<16 mm wall	≥355	490-630	22
	16-40 mm wall	≥345	490-630	22

TUBE FINISH	Un-honed	As the name states the tube has been drawn but no surface finish process has taken place. The tube is usually 0.015" or .38mm under bore size and there is no measurable surface finish
	Skived & Roller Burnished	This tube has a different surface finishing process and is quicker and cheaper to manufacture than honing. Metal is cut away and then rolled smooth. This process gives a clean finish with a surface finish of 0.8 <i>umRa</i> .
	S.S.I.D	Super Smooth Inside Diameter this process is more like un-honed except the tube passes through a further rolling process. This creates a more concentric cylinder bore to the outside diameter. Surface finish is .8 <i>umRa</i> .

Unhoned					
SIZE RANGE	76.2x63.5	88.9x76.2	101.6x88.9	146.1x127	152.4x127
	177.8x152.4	203.2x177.8			

Sizes normally stocked in Australia. Some branches may not hold the entire range.
Other sizes available on request.

Skived and Roller Burnished					
SIZE RANGE	47.6x38.1	82x70	101.6x88.9	139.7x127	170x140
	50.8x38.1	82.6x63.5	108x88.9	146.1x127	171.5x152.4
	57.2x44.5	82.6x69.9	114.3x101.6	150x125	182.4x165.1
	60x50	88.9x76.2	120x100	152.4x127	190x160
	60.3x50.8	95x80	120.7x101.6	125.4x139.7	203.2x177.8
	63.5x50.8	95.2x76.2	127x101.6	165.1x152.4	228.6x203.2
	69.9x57.2	95.3x82.6	127x114.3	168.2x152.4	254x228.6
	76.2x63.5				

Sizes normally stocked in Australia. Some branches may not hold the entire range.
Other sizes available on request.

S.S.I.D					
SIZE RANGE	47.6x38.1	50.8x38.1	63.5x50.8	73x63.5	

Sizes normally stocked in Australia. Some branches may not hold the entire range.
Other sizes available on request.

LOCATIONS					
Bohler Uddeholm Australia Pty Ltd ABN 15000013052					
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Albury	1 Eames St Albury	2640	Ph (02) 6041 3399	Fax (02) 6041 1820	
Wollongong	40 Doyle Ave Unanderra	2526	Ph (02) 4272 6544	Fax (02) 4272 7563	
Marayong	1/21 Binney Rd Marayong	2148	Ph (02) 9831 4431	Fax (02) 9671 1682	
Melbourne	282-290 Greens Rd Dandenong	3175	Ph (03) 9767 5554	Fax (03) 9767 5555	
Bayswater	4 Ramage St Bayswater	3153	Ph (03) 9729 7356	Fax (03) 9738 0850	
Adelaide	1 Williams Cir Pooraka	5095	Ph (08) 8368 4554	Fax (08) 8368 4555	
Brisbane	12-18 Limestone St Darra	4076	Ph (07) 3712 9554	Fax (07) 3712 9555	
Townsville	9-11 Caldwell St Garbutt	4814	Ph (07) 4479 4800	Fax (07) 4725 1316	
Perth	29-33 Gauge Cir Canningvale	6155	Ph (08) 9455 8672	Fax (08) 9455 8673	
Kewdale	5 Beete St Welshpool	6106	Ph (08) 9350 9582	Fax (08) 9350 9683	
Launceston	20 Murphy St Invermay	7248	Ph (03) 6334 3542	Fax (03) 6331 4001	
www.buau.com.au					
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