

4145H Modified API Spec. 7

Typical Analysis (Ave. values %)	C	Si	Mn	Ni	Cr	Mo		
	0.47	0.25	1.10		1.10	0.33		
NEAREST STANDARD	AISI							
	4145H Mod. API Spec.7							

DESCRIPTION	AISI 4145H is a chromium molybdenum quality alloy steel specification. As a high tensile steel grade AISI 4145H is primarily supplied in the hardened and tempered condition to 30-36HRc range to AISI 4145H modified. With a slightly higher carbon content AISI 4145H is similar to AISI 4140 in that it offers good ductility, shock resisting characteristics combined with resistance to wear.
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APPLICATIONS	Suitable for many Oil Field tools including Drill Collars, Stabilizer Forgings, Drill Pipe, Rotary Sub s ect
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MECHANICAL PROPERTIES	Tensile Strength psi	Yield Strength psi	Elong. %	HB
Typical				
6-1/2" dia	150,000	120,000	15	285-341

Test certificates available on request

Round Black										
SIZE RANGE	90	116	130	140	152.4	170	180	195	205	220
	250	275	280							
Hollow Bar Black										
SIZE RANGE	180/57.15		190/71.43		220/71.43		228/71.43		234.95/71.43	
	254/76.2									

LOCATIONS

Bohler Uddeholm Australia Pty Ltd ABN 15000013052

Sydney	129-135 McCredie Rd Guildford	2161	Ph (02) 8724 5554	Fax (02) 8724 5555
Newcastle	3 Pavilion Pl Cardiff	2285	Ph (02) 4954 6611	Fax (02) 4956 5773
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 Amsted Rd Bayswater	3153	Ph (03) 9739 8022	Fax (03) 9739 8033
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
Mackay	19-21 Iridium Dr Paget	4740	Ph 0414 718 565	
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

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