

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									

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