

Apex

Accessories

Couplings



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Apex

Chemical Properties			
-	Class T	High Strength	Sparayloy
API Grade	T	Special	SM
AISI Series		4140	
Carbon (C)	0.37/0.44		
Chromium (Cr)	0.75/1.20		
Copper (Cu)	0.3 max		
Manganese (Mn)	0.65/1.10		
Molybdenum (Mo)	0.15/0.25		
Nickel (Ni)	---		
Phosphorus (P)	0.035 max		
Silicon (Si)	0.15/0.35		
Sulfur (S)	0.040 max		
Aluminium (Al)	---		

Mechanical Properties				
		Class T	High Strength	Sparayloy
Tensile	ksi	95/125	120/140	95/125
	Mpa	655/861	828/965	655/861
Yield	ksi	80 min	105 min	80 min
	MPa	552 min	724 min	552 min
Elongation	2" (50.8mm), %	16 min	16 min	16 min
Reduction in Area	%	30 min	30 min	30 min
Surface finish OD	Ra mils (µin)	125	125	125
	Ra micrones (µm)	3.175	3.175	3.175
Hardness Sprayloy Coating hardness	HRA	56/62	63/65	56/62
	HV200	---	---	595 min

Class T – High Strength – Sprayloy Couplings

	Slim Hole	Full Size	Oversize
5/8" (15.88mm)	1 1/4" (31.75mm)	1 1/2" (38.1mm)	---
3/4" (19.05mm)	1 1/2" (38.1mm)	1 5/8" (41.28mm)	1 13/16" (46.04mm)
7/8" (22.23mm)	1 5/8" (41.28mm)	1 13/16" (46.04mm)	2" (50.8mm)
1" (25.4mm)	2" (50.8mm)	2 3/16" (55.56mm)	2 3/8" (60.33mm)
1 1/8" (28.58mm)	2 1/4" (57.15mm)	2 3/8" (60.33mm)	---

