

Vermeer®-Compatible Rod Specifications

Rod Size	D6 / D7x11	D10x15	D16x20	24x26 / D24a	D24x40	D33x44	D40x40	D50x100	D80x100
Forged / Inertia Weld	I.W.	Forged	Forged	Forged	Forged	Forged	Forged	Forged	Forged
Plain-End/Upset-End	Plain-End	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reference Tech. Spec.	API 5D	API 5D	API 5D	API 5D	API 5D	API 5D	API 5D	API 5D	API 5D
Pipe Body O.D.	1.660" +/-0.031"	1.660" +/-0.031"	1.90" +/-0.031"	2.063" +/-0.031"	2.375" +/-0.031"	2.562" +/-0.031"	2.375" +/-0.031"	2.875" +/-0.031"	3.500" +/-0.031"
Wall Thickness	.240"	.240"	.240"	.240"	.280"	.330"	.280"	.362"	.449"
O.A.L. (S/S)	72.0" +/-0.250"	120.0" +/-0.250"	120.0" +/-0.250"	120.0" +/-0.250"	120.0" +/-0.250"	180.0" +/-0.250"	180.0" +/-0.250"	180.0" +/-0.250"	180.0" +/-0.250"
Bend Radius	98.1	98.1	112.3	121.9	140.4	151.5	140.4	170	206.9
Steel Chemistry	4130	4130	4130	4130	4130	4130	4130	4130	4130
Type	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.	Seamless Hot Roll.
Quench & Temper	P110	S135	S135	S135	S135	S135	S135	S135	S135
Tensile Strength	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.	145,000 Min.
Yield Strength	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.	135 Min./165 Max.
Charpy 10x5	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.	22 ft-lb Avg./19 Min.
Pipe & Upset Testing	Mag Particle	Mag Particle	Mag Particle	Mag Particle	Mag Particle	Mag Particle	Mag Particle	Mag Particle	Mag Particle
Inertia Weld Testing	Wet Mag Particle	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tool Joints									
Tool Joint O.D.	1.880"	1.880"	2.125"	2.250"	2.625"	2.750"	2.625"	3.250"	3.625"
Tool Joint I.D.	0.750"	0.750"	0.750"	0.875"	0.875"	0.875"	0.875"	1.250"	1.500"
Steel Chemistry	4140	4130	4130	4130	4130	4130	4130	4130	4130
Heat Treat	S135	S135	S135	S135	S135	S135	S135	S135	S135
After Facing & Turning O.D. for Inertia Welding									
Upset Outside Diameter	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upset Inside Diameter	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upset Length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Upset Taper Length	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weld Area	1.071"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tube Area	1.071"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weld Area/Tube Area	1"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inertia Weld Loss	0.500"	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Weight	21 Lbs.	35 Lbs.	49 Lbs.	56 Lbs.	78 Lbs.	119 Lbs.	100 Lbs.	156 Lbs.	232 Lbs.

VERMEER is a registered trademark of Vermeer Manufacturing Company of Pella, Iowa. There is no affiliation between Vermeer Manufacturing Company and Premier Drill Pipe, Ltd.

- Fully compatible with Vermeer® handling equipment.
- All rods are heat treated to a minimum 135,000 lb. yield strength for the ultimate in fatigue resistance.

