



Vermeer®-Compatible Rod Specifications

Rod Size	D6/D7x11	D10x15	D16x20/D18x22	D24x26/D24a	D24x40F
Manufacture Process	Forged	Forged	Forged	Forged I.W.	Forged
Weld Area / Tube Area	N/A	N/A	N/A	1.42	N/A
Connection	FS 1	FS 1	FS 1	FS 1	FS 1
Manufacture Spec.	API 5D	API 5D	API 5D	API 5D	API 5D
O.A.L. (S /S)	72.0" +/- 0.25"	120.0" +/-0.25"	120.0" +/-0.25"	120.0" +/-0.25"	120.0" +/-0.25"
Pipe Body O.D.	1.660" +/--.031"	1.660" +/--.031"	1.90" +/--.031"	2.063" +/--.031"	2.375" +/--.031"
Upset Diameter	1.880" +/--.160"	1.880" +/--.160"	2.125" +/--.160"	2.25" +/--.160"	2.625" +/--.160"
Wall Thickness	0.240"	0.240"	0.240"	0.240"	0.280"
Bend Radius	98.1'	98.1'	112.3'	121.9'	140.4'
Steel Chemistry	4128M	4128M	4128M	4128M	4128M
Type	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll
Quench & Temper	P110	P110	S135	S135	S135
Tensile Strength	145,000 lb. Min.	145,000 lb. Min.	145,000 lb. Min.	145,000 lb. Min.	145,000 lb. Min.
Yield Strength	135 Min/165 Max	135 Min/165 Max	135 Min/165 Max	135 Min/165 Max	135 Min/165 Max
Charpy 10x5	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min
Final Inspection	Mag. Particle	Mag. Particle	Mag. Particle	Mag. Particle	Mag. Particle
Weight	21 lbs.	35 lbs.	49 lbs.	56 lbs.	78 lbs.

Rod Size	D24x40IW	D33x44/D40x40	D50x100	D80x100	D100x120
Manufacture Process	Forged I.W.	Forged I.W.	Forged I.W.	Forged I.W.	Forged I.W.
Weld Area / Tube Area	1.6	1.6	1.55	1.67	1.67
Connection	FS 1	FS 1	FS 1	FS 1	2 7/8" IF-DS
Manufacture Spec.	API 5D	API 5D	API 5D	API 5D	API 5D
O.A.L. (S /S)	120.0" +/-0.25"	180.0" +/-0.25"	180.0" +/-0.25"	180.0" +/-0.25"	240.0" +/-1.50"
Pipe Body O.D.	2.375" +/--.031"	2.375" +/--.031"	2.875" +/--.031"	3.50" +/--.031"	3.50" +/--.031"
Upset Diameter	2.625" +/--.160"	2.625" +/--.160"	3.25" +/--.160"	3.625" +/--.160"	4.125" +/--.160"
Wall Thickness	0.280"	0.280"	0.362"	0.368"	0.368"
Bend Radius	140.4'	140.4'	170.0'	206.9'	206.9'
Steel Chemistry	4128M	4128M	4128M	4128M	4128M
Type	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll	Seamless Hot Roll
Quench & Temper	S135	S135	S135	S135	S135
Tensile Strength	145,000 lb. Min.	145,000 lb. Min	145,000 lb. Min	145,000 lb. Min	145,00 lb.Min
Yield Strength	135 Min/165 Max	135 Min/165 Max	135 Min/165 Max	135 Min/165 Max	135 Min/165Max
Charpy 10x5	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min	22ft-lb Avg/19 Min
Final Inspection	Mag. Particle	Mag. Particle	Mag. Particle	Mag. Particle	Mag. Particle
Weight	78 lbs.	100 lbs.	156 lbs.	232 lbs.	289 lbs.



- 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.

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.