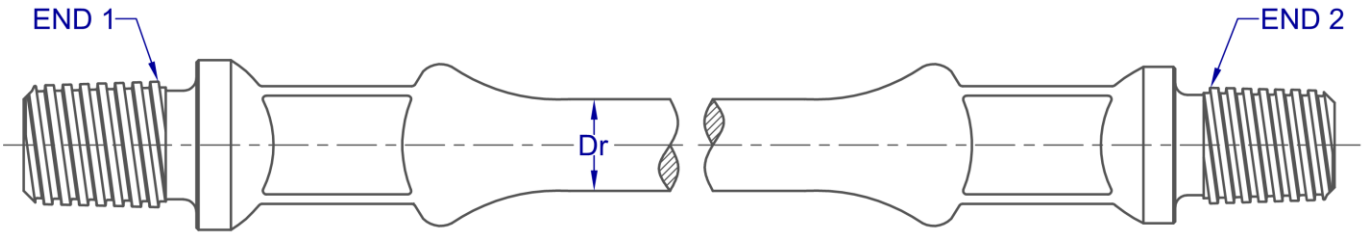
AlphaRod™ Pony Crossover

Dimensions:*



End Combination	Dr	Available Grades
7/8'' Blue® - 7/8'' API SR	0.875'' (-0.016/+0.008)''	AlphaRod™ CS
	22.225 mm (-0.41/+0.2)mm	
1'' Blue® - 1'' API SR	1'' (-0.018/+0.009)''	AlphaRod™ CS
	25.4 mm (-0.46/+0.23)mm	
1'' Blue® - 7/8'' Blue®	1'' (-0.018/+0.009)''	AlphaRod™ CS
	25.4 mm (-0.46/+0.23)mm	
7/8'' Blue® - 1'' API SR	1'' (-0.018/+0.009)''	AlphaRod™ CS
	25.4 mm (-0.46/+0.23)mm	
1 1/8'' Blue® - 1'' Blue®	1.125'' (-0.02/+0.01)''	AlphaRod™ CS
	28.575 mm (-0.51/+0.25)mm	
1'' Blue® - 1 1/8'' API SR	1.125'' (-0.02/+0.01)''	AlphaRod™ CS
	28.575 mm (-0.51/+0.25)mm	

Nominal Lengths:[a] 2, 4 ft
(0.61, 1.22 m)

*For pins' dimensions refer to corresponding Sucker & Pony Rod PDS.
[a]Other lengths might be available upon request.

Steel Grades:

The AlphaRod™ series was created to overcome more demanding requirements and offer a solution to fatigue and corrosion-fatigue problems. During oil production sucker rods face operative productions that get tougher by the day Mature conventional wells and non-conventional wells expose sucker rods in such ways that lead to an increase in premature fails. The new steel grades of the AlphaRod™ generation were specially designed to satisfy these operative conditions.

Chemical Composition:

Typical chemical compositions (wt%) listed in the following table.

Grade	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Mo (%)	Other (%)
AlphaRod™ CS	0.23	0.55	0.25	0.01 max	0.010 max	0.95	0.30 max	0.70	B: 0.01 max, Ti: 0.1 max, Nb: 0.1 max

Mechanical Properties:

Mechanical properties are listed in the following table.

Grade	Yield Strength (0.2% offset)	Ultimate Tensile Stress	Elongation (8")	Reduction of Area	Hardness
AlphaRod™ CS	Min 110 kpsi (Min 758 MPa)	Min 118 kpsi (Min 814 MPa)	14% Min	70% Min	26 HRC

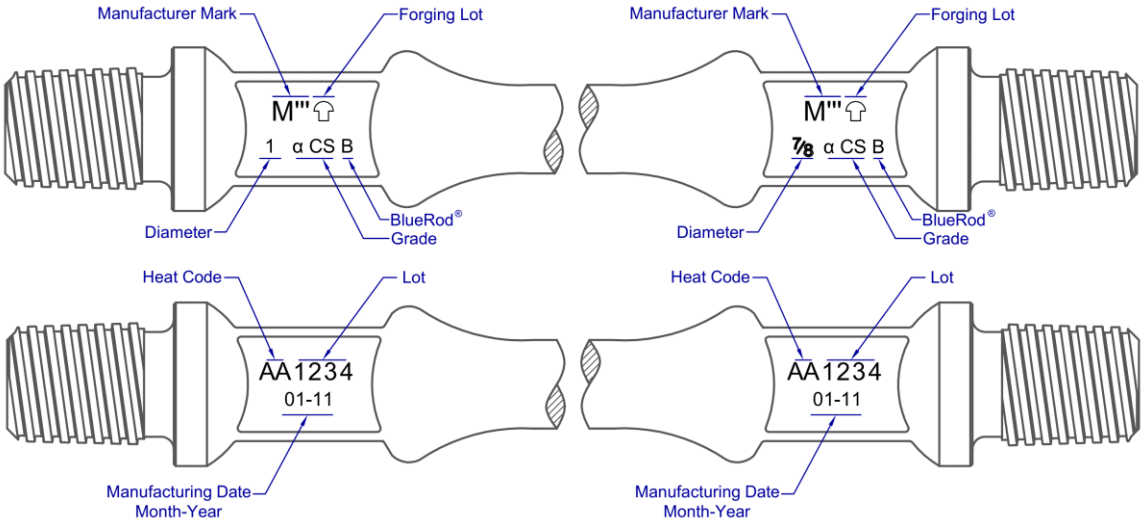
Performance Data:

For performance data information please refer to corresponding Rod & Pup Joint PDS.

Non Destructive Testing:

All raw material is carefully inspected using electromagnetic and/or ultrasonic methods to ensure the soundness of the final product.

Marking:



Non Destructive Testing:

All raw material is carefully inspected using electromagnetic and/or ultrasonic methods to ensure the soundness of the final product.

Color Code:

Rod's ends are painted according to the following table:

Grade	Color Code
AlphaRod™ CS	Silver

*Displayed colors are for guidance only.

Ordering Information:

When placing an order please attach the following information:

PDS:	SRPXAR
End Combination:	1 1/8'' Blue® - 1'' Blue®
Grade:	AlphaRod™ CS
Length:	2 ft

Labeling:

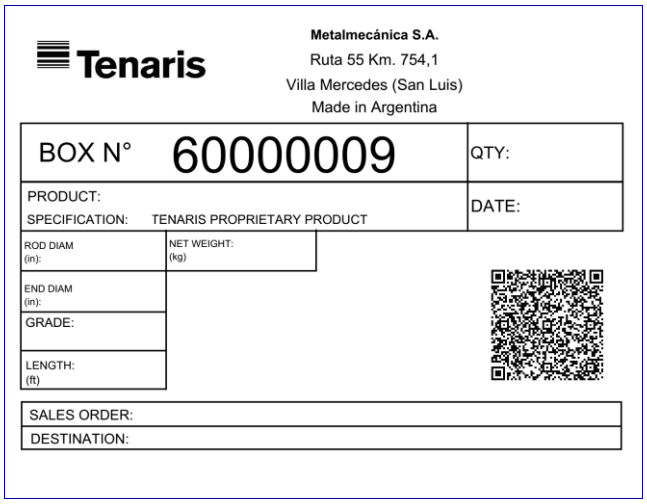


*Image for reference only