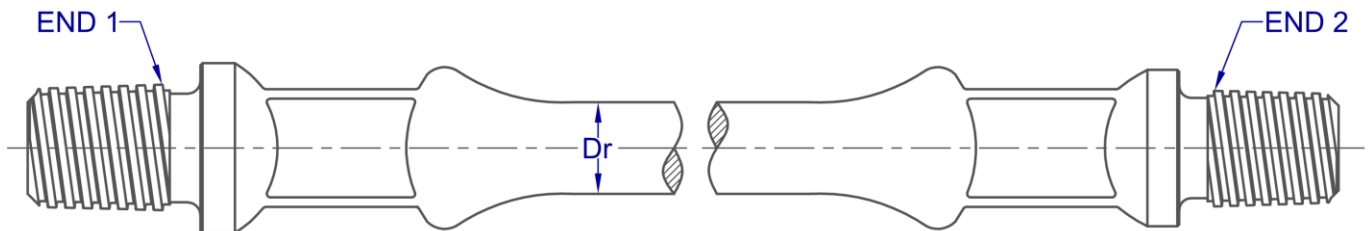


# Pony Crossover API Grades

## Dimensions:\*



End Combination	Dr	Available Grades
7/8" Blue® - 7/8" API SR	0.875" (-0.016/+0.008)"	D alloy, D special KD
	22.225 mm (-0.41/+0.2)mm	
1" Blue® - 1" API SR	1" (-0.018/+0.009)"	D alloy, D special KD
	25.4 mm (-0.46/+0.23)mm	
1" Blue® - 7/8" Blue®	1" (-0.018/+0.009)"	D alloy, D special KD
	25.4 mm (-0.46/+0.23)mm	
7/8" Blue® - 1" API SR	1" (-0.018/+0.009)"	D alloy, D special KD
	25.4 mm (-0.46/+0.23)mm	
1 1/8" Blue® - 1" Blue®	1.125" (-0.02/+0.01)"	D alloy, D special KD
	28.575 mm (-0.51/+0.25)mm	
1" Blue® - 1 1/8" API SR	1.125" (-0.02/+0.01)"	D alloy, D special KD
	28.575 mm (-0.51/+0.25)mm	

Nominal Lengths:<sup>a</sup> 2, 4 ft  
(0.61, 1.22 m)

\*For pins' dimensions refer to corresponding Sucker & Pony Rod PDS.

<sup>a</sup>Other lengths might be available upon request.

## Steel Grades:

Different steel grades are available, depending on the type of load and the corrosion level in the wells. All these materials comply with API 11B. Grades C, K and D carbon are only available under special request.

## Chemical Composition:

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

Grade	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Mo (%)	Other (%)
D alloy	0.40-0.45	0.75-1.00	0.15-0.35	0.025 max	0.025 max	0.80-1.10	0.25 max	0.15-0.25	-
D special KD	0.20-0.25	0.80-1.00	0.15-0.35	0.025 max	0.025 max	0.70-0.90	1.15-1.50	0.25-0.30	V: 0.03-0.07

## 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
D alloy	Min 95 kpsi (Min 655 MPa)	120 to 140 kpsi (827 to 965 MPa)	10% Min	45% Min	27 HRC
D special KD	Min 85 kpsi (Min 586 MPa)	115 to 140 kpsi (793 to 965 MPa)	10% Min	45% Min	25 HRC

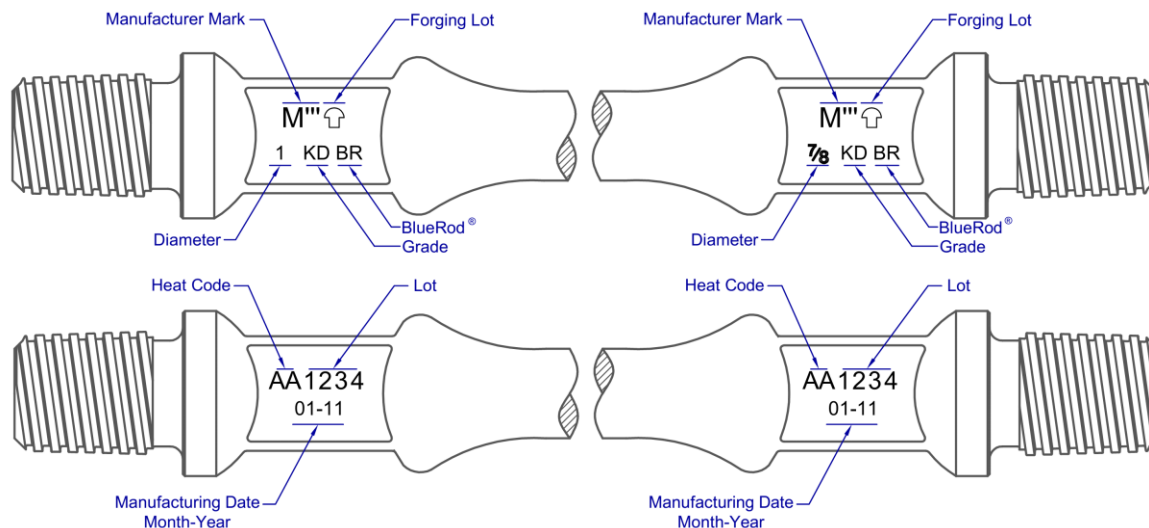
## Performance Data:

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
D alloy	Yellow
D special KD	Orange



\*Displayed colors are for guidance only.

## Ordering Information:

When placing an order please attach the following information:

**PDS:** SRPXAPI  
**End Combination:** 1 1/8" Blue® - 1" Blue®  
**Grade:** D alloy  
**Length:** 2 ft

## Labeling:

		<b>Metalmecánica S.A.</b> Ruta 55 Km. 754,1 Villa Mercedes (San Luis) Made in Argentina	
<b>BOX N°</b> 60000009		QTY:	
<b>PRODUCT:</b>		DATE:	
<b>SPECIFICATION:</b> TENARIS PROPRIETARY PRODUCT			
<b>ROD DIAM</b> (in):	<b>NET WEIGHT:</b> (kg)		
<b>END DIAM</b> (in):			
<b>GRADE:</b>			
<b>LENGTH:</b> (ft)			
<b>SALES ORDER:</b>			
<b>DESTINATION:</b>			

\*Image for reference only

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