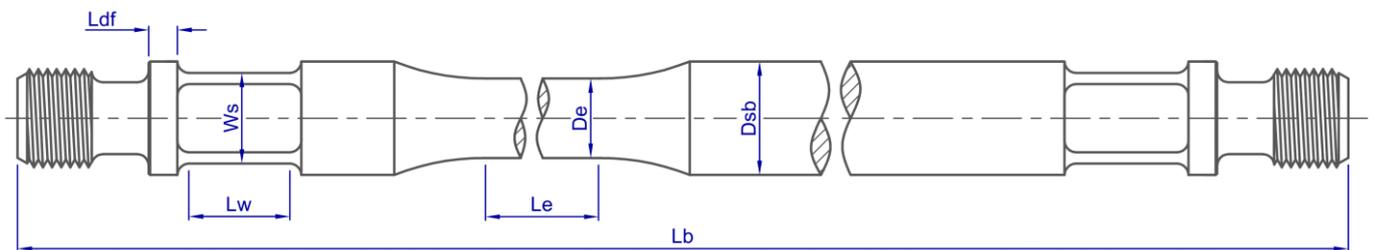


Sinker Bars Full API

Product Description:

Tenaris standard products are with four wrench flats and elevator neck. There are also available with only two wrench flats and/or without the elevator neck. Products according to API 11B.

Dimensions:



Nominal Size		Dsb	Ldf (max)	Ws	De	Lw (min)	Le (min)	Sucker Rod Thread Pin Size	Polished Rod Thread Pin Size
Rod	Units								
1 1/4"	in	1.25 +0 -0.03	0.75	1 ±0.03126	0.875 +0.009 -0.018	1.25	4	5/8"	3/4"
	mm	31.75 +0 -0.76		19.05	25.4 ±0.794				
1 3/8"	in	1.375 +0 -0.03	0.75	1 ±0.03126	1 +0.009 -0.018	1.25	4	5/8"	3/4"
	mm	34.93 +0 -0.76		19.05	25.4 ±0.794				
1 1/2"	in	1.5 +0 -0.03	0.75	1.313 ±0.03126	1 +0.009 -0.018	1.25	4	3/4"	7/8"
	mm	38.1 +0 -0.76		19.05	33.34 ±0.794				
1 5/8"	in	1.625 +0 -0.03	0.75	1.313 ±0.03126	1 +0.009 -0.018	1.25	4	7/8"	-
	mm	41.28 +0 -0.76		19.05	33.34 ±0.794				
1 3/4"	in	1.75 +0 -0.03	0.75	1.5 ±0.03126	1 +0.009 -0.018	1.25	4	7/8"	-
	mm	44.45 +0 -0.76		19.05	38.1 ±0.794				

*For pin dimensions please refer to the corresponding sucker or polished rods datasheet

Available Lengths (Lb): 20, 25, 30 ft ± 2"

(6.096, 7.62, 9.144 m ± 50.8 mm)

Steel Grades:

Different steel grades are available, depending on the type of load and the corrosion level in the wells. All this materials comply with API 11B.

Chemical Composition:

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

Grade	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Mo (%)	Other (%)
Grade 1	0.37-0.48	0.60-0.90	-	0.035 max	0.035 max	-	-	-	-
Grade 2	0.18-0.25	0.70-0.90	0.15-0.30	0.035 max	0.035 max	0.30 max	1.65-2.00	0.20-0.30	-
Grade 3	0.38-0.44	0.75-1.00	0.15-0.35	0.035 max	0.035 max	0.80-1.10	-	0.15-0.25	-

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
Grade 1	Min 60 kpsi (Min 414 MPa)	90 to 115 kpsi (621 to 793 MPa)	10% Min	20% Min	56-61 HRA
Grade 2	Min 60 kpsi (Min 414 MPa)	90 to 115 kpsi (621 to 793 MPa)	10% Min	20% Min	56-61 HRA
Grade 3	Min 85 kpsi (Min 586 MPa)	115 to 140 kpsi (793 to 965 MPa)	10% Min	20% Min	22-31 HRC

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:

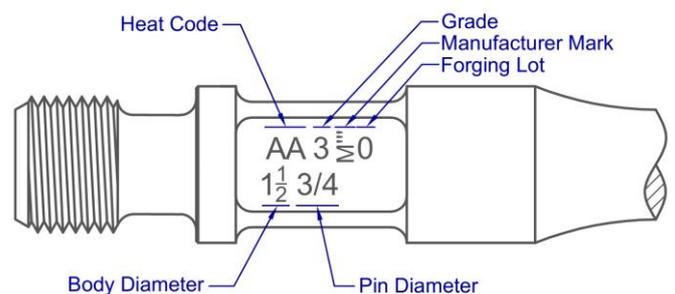
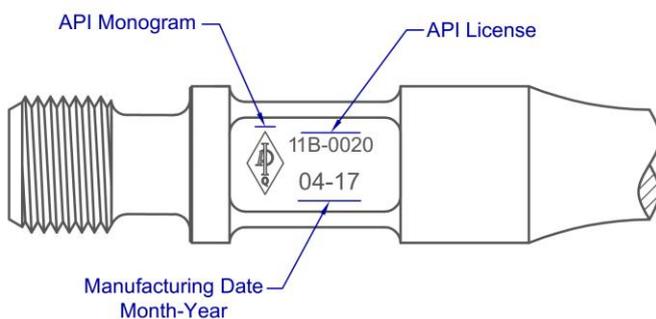
Ends are painted according to the following table:

Grade	Color Code
Grade 1	White
Grade 2	Blue
Grade 3	Yellow

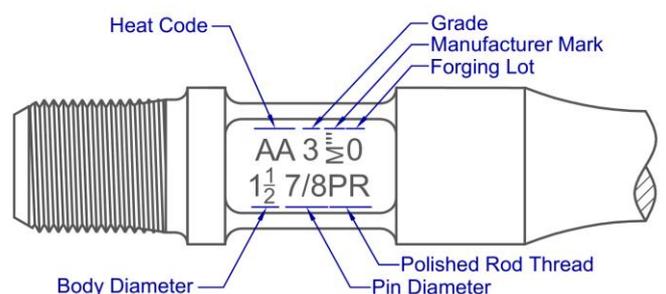
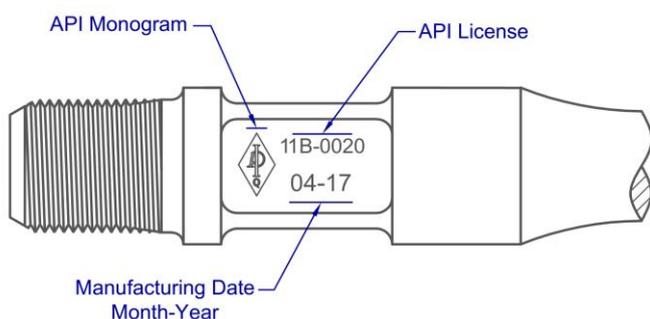
*Displayed colors are for guidance only.

Marking:

Sucker rod thread:



Polished rod thread:



Ordering Information:

When placing an order please attach the following information:

PDS: SRSBAPI
Body: 1 1/4"
Pin: SR pin 5/8"
Grade: Grade 1
Length: 20 ft
Elevator neck: With (Standard)
Wrench flats: 4 (Standard)

Labeling:

		Metalmecánica S.A. Ruta 55 Km. 754,1 Villa Mercedes (San Luis) Made in Argentina
BOX N° 60000004		QTY:
PRODUCT: SINKER BARS		DATE:
SPECIFICATION:		
ROD DIAM (m):		
GRADE:		
LENGTH (ft):		
NET WEIGHT (kg):		
SALES ORDER:		
DESTINATION:		

*Image for reference only

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