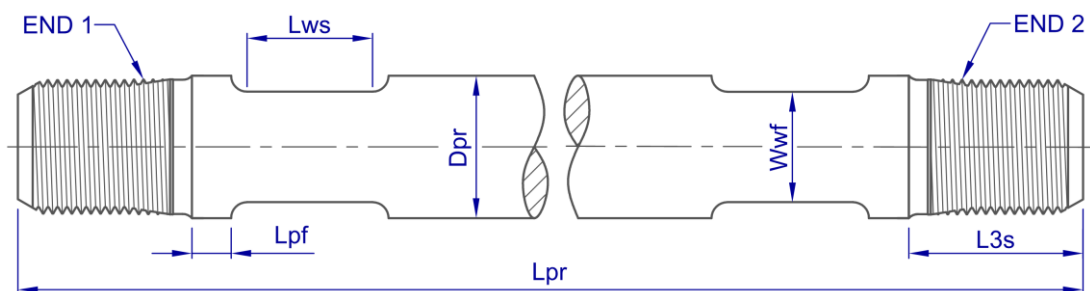


# Spray Metal Polished Rod with Wrench Flats

## Product Description:

Polished Rods can be manufactured with two or four wrench flats depending on client's needs.

## Dimensions:



Rod	Nominal Size		Dpr	L3s	Lpf (min)	Lwf (min)	Wwf
	Pin	Units					
1 1/4"	7/8" PR	in	1.25	1.406	0.197	1.252	1
			+0.005 -0.01				
		mm	31.75	35.7	5	31.8	25.4
			+0.13 -0.25				
1 1/2"	1" PR	in	1.5	1.78	0.197	1.5	1.311
			+0.005 -0.01				
		mm	38.1	45.22	5	38.1	33.3
			+0.13 -0.25				
1 1/2"	1" PR-3/4" PR	in	1.5	-	0.197	1.5	1.311
			+0.005 -0.01				
		mm	38.1	-	5	38.1	33.3
			+0.13 -0.25				

Available Lengths\* (Lpr): 8, 11, 16, 22, 26, 30, 36, 40 ft ± 2"

(2.438, 3.353, 4.877, 6.706, 7.925, 9.144, 10.973, 12.192 m ± 50.8 mm)

\*Other lengths might be available upon request.

## Steel Grades:

### Chemical Composition:

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

Grade	C (%)	Mn (%)	Si (%)	S (%)	P (%)	Cr (%)	Ni (%)	Mo (%)	Other (%)
C	0.43-0.50	0.60-0.90	-	0.035 max	0.030 max	-	-	-	-
D alloy	0.38-0.45	0.75-1.00	0.15-0.35	0.040 max	0.030 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
C	-	90 to 160 kpsi (621 to 1103 MPa)	-	-	-
D alloy	-	95 to 160 kpsi (655 to 1103 MPa)	-	-	-

### Coating:

**Spray Metal:** Chemical composition in accordance with API 11B

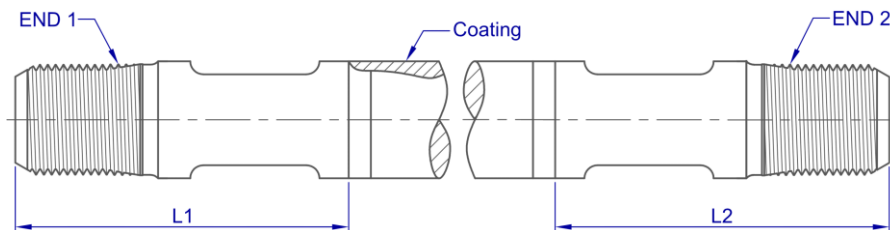
**Roughness (Ra):** 8-20  $\mu\text{in}$  (0.203-0.508  $\mu\text{m}$ )

**Thickness:** 0.008-0.02 in (0.2-0.51 mm)

**Hardness:** 480 HV200 min

### Chemical composition:

Coating	C (%)	Si (%)	P (%)	S (%)	Cr (%)	B (%)	Fe (%)	Ni (%)	Other (%)
Spray Metal	0.50-1.00	3.50-5.50	0.02 max	0.02 max	12.00-18.00	2.50-4.50	3.00-5.50	Remainder	Ti: 0.05 max Al: 0.05 max Zr: 0.05 max Co: 0.10 max



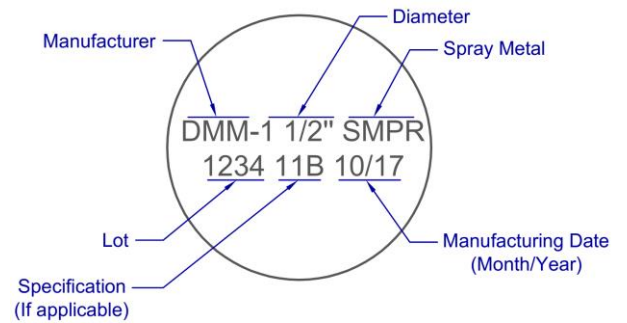
Coating Length	L1		L2	
Full length	0"	0 mm	0"	0 mm

Other dimensions might be available upon request



## Non Destructive Testing:

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

## Marking:



## Labeling:

		<b>Metalmecánica S.A.</b> Ruta 55 Km. 754,1 Villa Mercedes (San Luis) Made in Argentina	
		<b>BOX N°</b> 60000005	QTY:
PRODUCT: POLISHED ROD		DATE:	
SPECIFICATION:			
ROD DIAM (in):			
GRADE:			
LENGTH: (ft)			
NET WEIGHT: (kg)			
SALES ORDER:			
DESTINATION:			

\*Image for reference only

## Ordering Information:

When placing an order please attach the following information:

**PDS:** SRPRSMWF  
**Body diameter:** 1 1/4"  
**Pin:** 7/8" PR  
**Surface finish:** Spray Metal  
**Grade:** C  
**Length:** 40 ft  
**Coating Length:** Full length  
**Wrench flats:** 2

Tenaris has issued this document for general information only, and the information in this document is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the information contained hereunder. The use of the information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any information contained hereunder or any use thereof. The information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be. Unless specifically agreed under such contract of sale or services, if Tenaris is required to provide any warranty or assume any liability in connection with the information contained hereunder, any such warranty or liability shall be subject to the execution of a separate written agreement between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at [www.tenaris.com](http://www.tenaris.com). All rights reserved. ©Tenaris 2017.