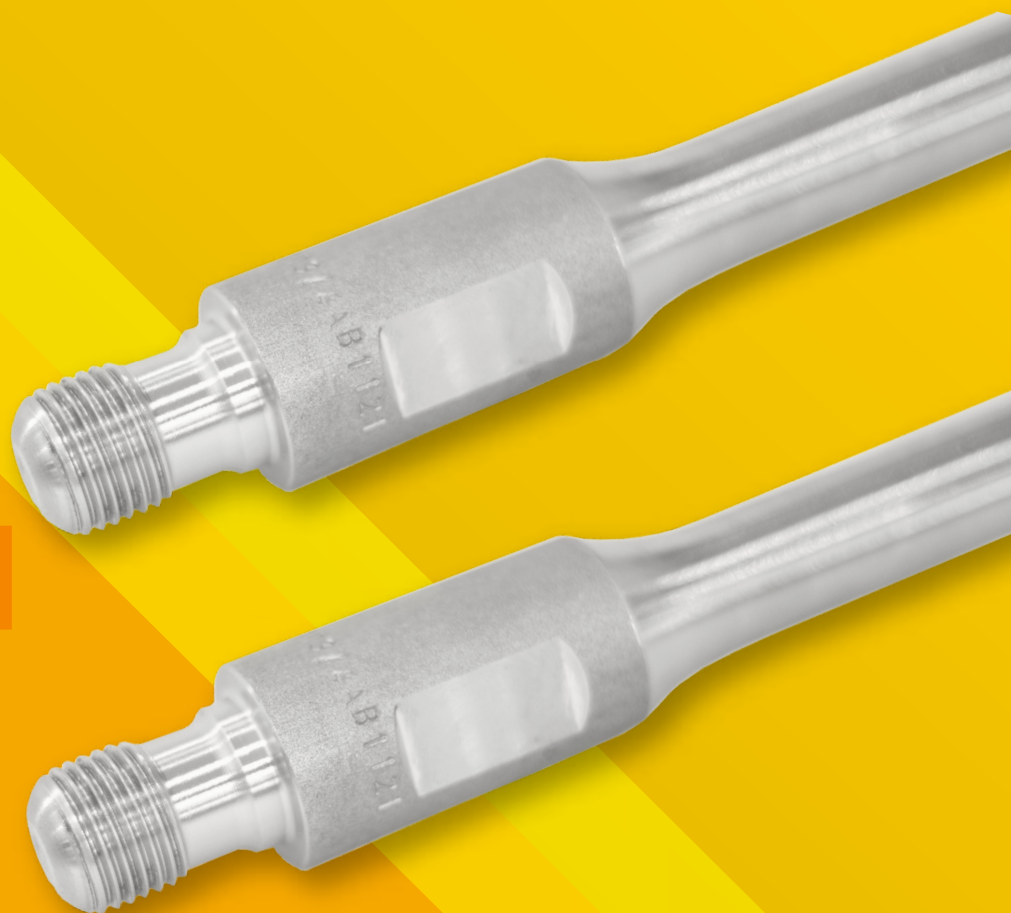


Apex

Accessories

Sinker Bars



apex.com.ar

Apex

Chemical Properties

AISI Series	1045		4140	
API Series	1 C		3 D	
	Min	Max	Min	Max
Carbon	0.38	0.50	0.38	0.43
Manganese	0.80	0.90	0.75	1.00
Phosphorus	---	0.040	---	0.035
Sulfur	---	0.050	---	0.040
Silicon	0.15	0.30	0.15	0.35
Copper	---	---	---	0.35
Nickel	---	---	---	0.25
Chromium	---	---	0.80	1.10
Molybdenum	---	---	0.15	0.25
Vanadium	---	---	---	---

Mechanical Properties

APEX Grade	1045		4140	
API Grade	1 C		3 D	
	Min	Max	Min	Max
Tensile				
ksi	90	140	115	140
Mpa	620	965	793	965
Yield, 0.2% Offset				
ksi	60	---	95	---
Mpa	414	---	655	---
Elongation 8" ^g %	10	---	10	---
Reduction in area %	20	---	20	---

Note: Tensile strength and yield strength values are the only physical requirements for Sucker Rods and Pony Rods in API Specification 11B.

All other physical properties are expected values only and may deviate from the values listed above.

Available Sinker Bars

Body	1 1/2"(38.1mm)
Length	25'
API Pin Ø	3/4" (19.10mm), 7/8" (22.20mm)*
Weight	67kg
Elevator Ø	1" (25.4mm)
Width of wrench	15/16"(33.34mm)

Note: 1 1/2" (38.1 mm) with 7/8" (22.20 mm) pin is a non-API product.

