



Apex

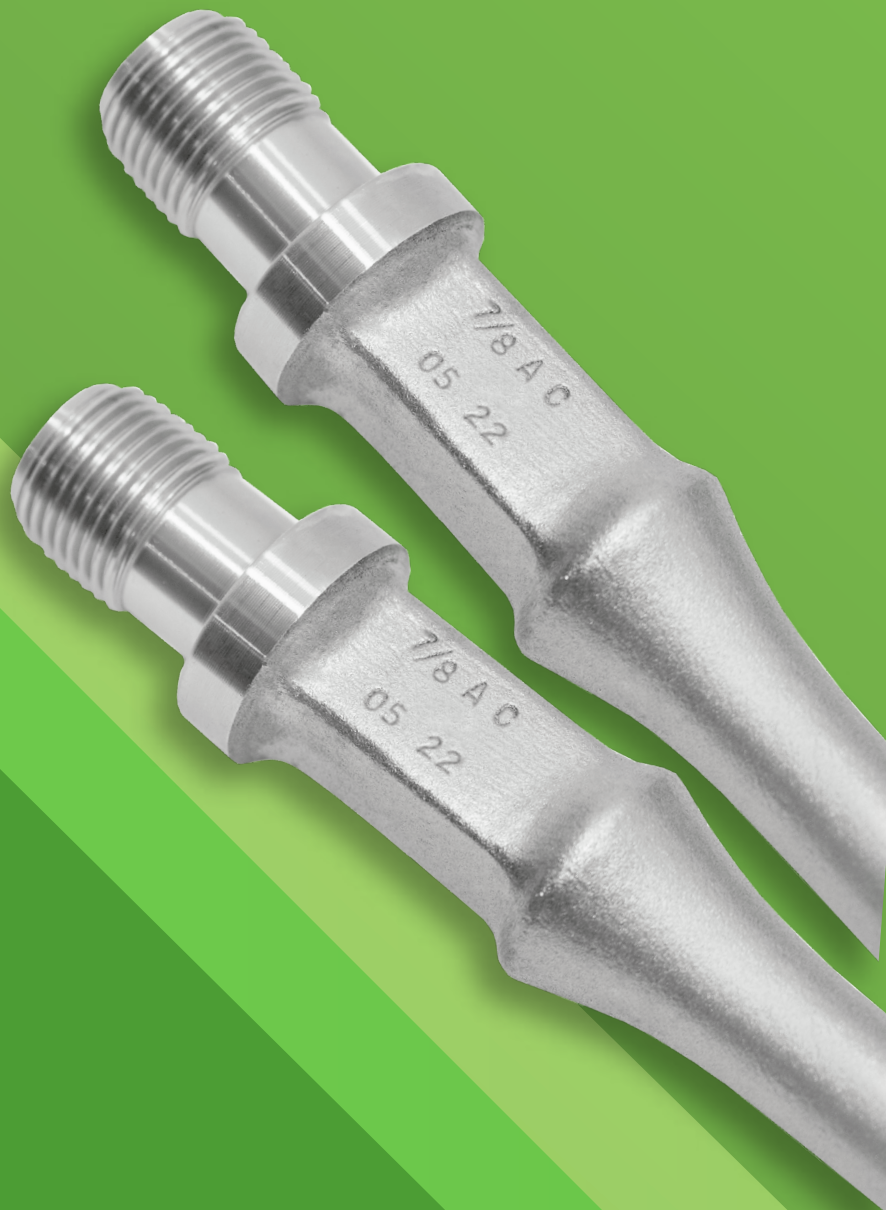
Sucker Rods

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PCP Sucker Rods Drive Rods



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Chemical Properties

AISI Series	A-4142-M	
API Series	D Alloy	
APEX Grade	DA 78	
	Min	Max
Carbon	0.38	0.43
Manganese	0.80	1.00
Phosphorus	---	0.035
Sulfur	---	0.035
Silicon	0.15	0.35
Copper	---	0.35
Nickel	---	0.25
Chromium	0.90	1.10
Molybdenum	0.15	0.25
Vanadium	0.030	0.045

Mechanical Properties

APEX Grade	DA 78	
	Min	Max
Tensile		
ksi	120	140
Mpa	827	965
Yield, 0.2% Offset		---
ksi	100	---
Mpa	689	---
Elongation 8 ^m %	10	---
Reduction in area %	40	---
Hardness (HRC)	23	30

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 Drive Rods Colour code

Colour Codes	APEX Grade			DA 78
	Body Ø	Pin Ø	Length	Yellow
	1" (25.40mm)	7/8" (22.23mm)	25' 30'	●
	1 1/8" (28.58mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1 1/8" (28.58mm)	25' 30'	†
	1 1/2" (38.10mm)	1 1/8" (28.58mm)	25' 30'	†

● Standard Availability

† Special Order

Note: Available Sucker Rods Lengths: 25' & 30'
Available Pony Rods disponibles en 2', 4', 6', 8', 10' & 12'



Chemical Properties

AISI Series	A-4138-M	
API Series	-	
APEX Grade	HS 96	
	Min	Max
Carbon	0.38	0.42
Manganese	1.1	1.4
Phosphorus	---	0.035
Sulfur	---	0.035
Silicon	0.20	0.35
Copper	---	0.35
Nickel	---	0.30
Chromium	0.55	0.85
Molybdenum	0.25	0.35
Vanadium	0.07	0.09

Mechanical Properties

APEX Grade	HS 96	
	Min	Max
Tensile		
ksi	140	150
Mpa	965	1034
Yield, 0.2% Offset		---
ksi	115	---
Mpa	793	---
Elongation 8 ^m %	8	---
Reduction in area %	30	---
Hardness (HRC)	30	33

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 Drive Rods Colour Code

Colour Codes	APEX Grade			HS 96
	Body Ø	Pin Ø	Length	Green
	1" (25.40mm)	7/8" (22.23mm)	25' 30'	●
	1 1/8" (28.58mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1 1/8" (28.58mm)	25' 30'	†
	1 1/2" (38.10mm)	1 1/8" (28.58mm)	25' 30'	†

● Standard Availability

† Special Order

Note: Available Sucker Rods Lengths: 25' & 30'

Available Pony Rods disponibles en 2', 4', 6', 8', 10' & 12'



Chemical Properties

AISI Series	A-4330-M	
API Series	-	
APEX Grade	HX 97	
	Min	Max
Carbon	0.30	0.34
Manganese	0.80	1.00
Phosphorus	---	0.035
Sulfur	---	0.040
Silicon	0.15	0.35
Copper	---	0.35
Nickel	1.65	1.85
Chromium	0.80	1.00
Molybdenum	0.20	0.30
Vanadium	0.07	0.09

Mechanical Properties

APEX Grade	HX 97	
	Min	Max
Tensile		
ksi	140	150
Mpa	965	1034
Yield, 0.2% Offset		---
ksi	115	---
Mpa	793	---
Elongation 8 ^m %	10	---
Reduction in area %	40	---
Hardness (HRC)	30	33

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 Drive Rods

Colour Codes	APEX Grade			DA HX 97
	Body Ø	Pin Ø	Length	Purple
	1" (25.40mm)	7/8" (22.23mm)	25' 30'	●
	1 1/8" (28.58mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1" (25.40mm)	25' 30'	†
	1 1/4" (31.75mm)	1 1/8" (28.58mm)	25' 30'	†
	1 1/2" (38.10mm)	1 1/8" (28.58mm)	25' 30'	†

● Standard Availability

† Special Order

Note: Available Sucker Rods Lengths: 25' & 30'

Available Pony Rods disponibles en 2', 4', 6', 8', 10' & 12'

