



Apex

Mechanical Sucker Rods

API Type

Apex

Mechanica
Sucker Rod DA78 I



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Apex Steel Sucker Rods, Drive Rods and Pony

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 Sucker Rods & Pony Rods

	APEX Grade	DA 78
Colour Codes	Body Ø	Yellow
	5/8" (15.88mm)	●
	3/4" (19.10mm)	●
	7/8" (22.20mm)	●
	1" (25.40mm)	●
	1 1/8" (28.58mm)	●
	1 1/4" (31.75mm)	†

● Standard Availability

† Special Order

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



Apex

Mechanical Sucker Rod DSX75



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Apex Steel Sucker Rods, Drive Rods and Pony

Propiedades Químicas

AISI Series	A-4330-M	
API Series	D Special	
APEX Grade	DSX 75	
	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
Níckel	1.65	1.85
Chromium	0.80	1.00
Molybdenum	0.20	0.30
Vanadium	0.07	0.09

Mechanical Properties

APEX Grade	DSX 75	
	Min	Max
Tensile		
ksi	125	140
Mpa	861	965
Yield, 0.2% Offset		---
ksi	100	---
Mpa	689	---
Elongation 8 ^m %	10	---
Reduction in area %	40	---
Hardness (HRC)	25	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 Sucker Rods & Pony Rods

	APEX Grade	DSX 75
Colour Codes	Body Ø	Orange
	5/8" (15.88mm)	●
	3/4" (19.10mm)	●
	7/8" (22.20mm)	●
	1" (25.40mm)	●
	1 1/8" (28.58mm)	●
	1 1/4" (31.75mm)	†

● Standard Availability

† Special Order

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

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

