

Benefits of Sheffield #20 FM TG&P

Sheffield #20 FM is designed for ease of machining with high speed automatic equipment, such as screw machinery. Less effort in machining, so you can be up and running.

Sheffield #20 FM will exhibit distinct advantages when compared to “Cold Roll” steel products, such as 1018 and 1045. Those include:

- Machinability
- Excellent Wearability
- Higher Tensile Properties
- Higher Yield Properties
- Unique Chemistry

Sheffield #20 FM offers significant increase in physical properties when compared to “Cold Roll” steels, such as (1045/1018). 1045 steel provides 33% less in tensile, yield, and hardness than Sheffield #20 FM. 1018 steel provides 50% less in tensile, yield, and hardness than Sheffield #20 FM.

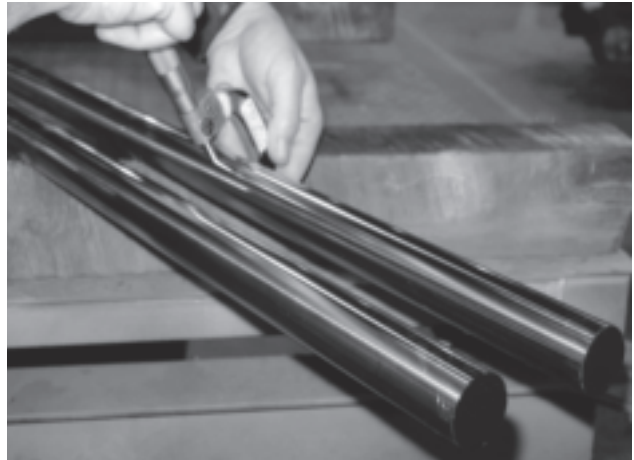
Sheffield #20 FM is available in metric sizes, please see page 15.

Sheffield #20 FM is also available as a fully keyed shaft that is ready for immediate use. Please refer to page 17 of this technical data book for more information.

Sheffield #20 FM is *not recommended* where welding is required.

Boxing recommended.

Past Protected Trade Name Of Pyramid Steel Company – Silvaloy™ FM



Typical Physical Properties*

Hardness.....	260 BHN
Tensile Strength.....	135,000 P.S.I.
Yield Strength.....	113,000 P.S.I.
*Based on 1/2" Diameter Specimen	

Available Sizes

1/4 "	1"	1-11/16"	2-9/16"	3-7/16"
5/16"	1-1/16"	1-3/4"	2-5/8"	3-1/2"
3/8"	1-1/8"	1-7/8"	2-11/16"	3-9/16"
7/16"	1-3/16"	1-15/16"	2-3/4"	3-5/8"
1/2"	1-1/4"	2"	2-7/8"	3-11/16"
9/16"	1-5/16"	2-1/16"	2-15/16"	3-3/4"
5/8"	1-3/8"	2-1/4"	3"	3-7/8"
11/16"	1-7/16"	2-5/16"	3-1/16"	3-15/16"
3/4"	1-1/2"	2-3/8"	3-1/4"	4"
7/8"	1-9/16"	2-7/16"	3-5/16"	
15/16"	1-5/8"	2-1/2"	3-3/8"	

Typical Diameter Tolerances

1/4" Round to 1-1/2" Round	(+.000"/-.001")
Over 1-1/2" Round to 3" Round	(+.000"/-.002")
Over 3" Round to 4" Round	(+.000"/-.003")

Stock Lengths

10 / 12 Ft and 20 / 24 Ft Random Lengths
Custom Cut Lengths