



MCL HANGER

All Thread Rod Cut Sheet

- 5/5.5" all thread rod
- ASTM A193 B7 thread rod
- Was used in UL testing of MCL Hangers

Part Number	Diameter
MTR25	1/4"
MTR38	3/8"
MTR50	1/2"

MATERIAL SPECIFICATIONS

ASTM A-36 is a general-purpose structural quality low carbon steel without advanced alloying. It has good forming weldability and mechanical properties and easy to fabricate using structural methods like mild cold and hot forming or welding. 1/2 A-36 specifications for standard bars, shapes and plates 8" or less is thickness maintain yield strength of 36,000 psi and an ultimate tensile strength of 58,000 to 80,000 psi. Elongation in 2" is a minimum of 23%. This material is easily welded using all welding processes. Commonly produced in sheet, plate, bar, and structural shapes, its intended use is riveted, bolted or welded construction like that of bridges and building and for general structural purposes where aforementioned A-36 specifications are required.

CERTIFIED RECORD OF CHEMICAL AND MECHANICAL PROPERTIES

1/4" through 1/2" MANUFACTURED FROM 1006-1010 STEEL

ALL THREAD ROD WILL MEET MINIMUM TENSILE & YIELD REQUIREMENTS OF ASTM A36

ITEM	MATERIAL									
1	1/4"-20 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES									
2	3/8"-16 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES									
3	1/2"-13 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES									
ITEM	HEAT #	CARBON	MANG.	PHOS.	SULPHUR	SILICON	CHROM.	NICKEL	MOLY.	COPPER
1	65800	.06	.47	.006	.010	.15	.06	.09	.02	.20
2	26863	.06	.40	.016	.025	.12	.13	.14	.00	.26
3	26864	.07	.42	.013	.02	.13	.10	.11	.00	.21
ITEM	HEAT #	TENSILE PSI		YIELD PSI		% ELONGATION 8" GAGE		REDUCTION OF AREA		BEND TEST
1	65800	62,200		-----		-----		-----		-----
2	26863	69,915		40,053		36.0		-----		-----
3	26864	61,641		40,611		34.0		-----		-----

