

Vulcan Threaded Products
#10 Crosscreek Trail
Pelham, Al 35124
Ph:(205) 620-5100
Fax:(205) 620-5150

Ref: Low Carbon All-Thread Rod

February 19, 2017

This letter is to certify that the All-Thread Rod supplied by Vulcan Threaded Products will meet the minimum tensile and yield requirements of ASTM A36 & A307 and produced to a 1A fit. ¼” to 1” All-Thread Rod is produced from 1006 to 1010 steel. 1-1/8” to 2-1/2” All-Thread rod is produced from 1018 or A36 Steel. All of the above mentioned threaded rod is manufactured in the United States from domestic and foreign raw material.

All Hot-Dip galvanized Threaded Rod is plated according to ASTM A153 specification.
All Zinc Threaded Rod is plated to ASTM B633 specification.

Best Regards,

Jeff Hayes

Jeff Hayes
Purchasing Manager

CERTIFIED RECORD OF CHEMICAL AND MECHANICAL PROPERTIES

1/4" THROUGH 5/8" MANUFACTURED FROM 1006-1010 STEEL
 3/4" THROUGH 1" MANUFACTURED FROM 1006 - 1010 OR A36 STEEL

 ALL ALL-THREAD ROD WILL MEET MINIMUM TENSILE & YIELD
 REQUIREMENTS OF ASTM A307 GRADE C

ITEM	MANUFACTURER	MATERIAL AS DESCRIBED ON INVOICE
1	VULCAN THREADED PRODUCTS	1/4"-20 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
2	VULCAN THREADED PRODUCTS	5/16"-18 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
3	VULCAN THREADED PRODUCTS	3/8"-16 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
4	VULCAN THREADED PRODUCTS	1/2"-13 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
5	VULCAN THREADED PRODUCTS	5/8"-11 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
6	VULCAN THREADED PRODUCTS	3/4"-10 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
7	VULCAN THREADED PRODUCTS	7/8"-09 LOW CARBON STEEL THREADED ROD MELTED DOMESTICALLY AND INTERNATIONALLY MANUFACTURED IN THE UNITED STATES
8	VULCAN THREADED PRODUCTS	1"-08 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	64241	.06	.45	.011	.024	.12	.15	.10	.03	.26
3	26863	.06	.40	.016	.025	.12	.13	.14	.00	.26
4	26864	.07	.42	.013	.02	.13	.10	.11	.00	.21
5	1030122	.04	.43	.018	.034	.11	--	--	--	--
6	65197	.17	.67	.014	.016	.18	.14	.10	.03	.32
7	62286	.22	.90	.006	.025	.23	.05	.07	.02	.16
8	62260	.15	.72	.012	.026	.19	.07	.08	.02	.21

ITEM	HEAT #	TENSILE PSI	YIELD PSI	%ELONGATION 8" GAGE	REDUCTION OF AREA	BEND TEST
1	65800	62,200	-----	-----	-----	-----
2	64241	61,500	-----	-----	-----	-----
3	26863	60,915	40,053	36.0	-----	-----
4	26864	61,641	40,611	34.0	-----	-----
5	1030122	58,853	39,885	40.0	-----	-----
6	65197	73,700	51,200	32.0	-----	-----
7	62286	78,600	50,700	31.0	-----	-----
8	62260	69,100	45,800	27.0	-----	-----

WE HEREBY CERTIFY THAT THE FOREGOING DATA IS A TRUE COPY OF THE DATA FURNISHED BY THE PRODUCING MILL.
 ALL DATA SUPPLIED IN THE ABOVE TEST REPORT ARE TYPICAL OF MATERIAL FURNISHED BY VULCAN THREADED PRODUCTS.

DATE: 1-18-09

VULCAN THREADED PRODUCTS
#10 CROSSCREEK TRAIL
PELHAM, AL 35124
PH (205) 620-5100
FAX (205) 620-5150

By: Jeff Hayes

AUTHORIZED AGENT
 QUALITY CONTROL SUPERVISOR

CERTIFIED RECORD OF CHEMICAL AND MECHANICAL PROPERTIES

1-1/8" THROUGH 2" MANUFACTURED FROM 1018 or A36 STEEL
 2-1/4" THROUGH 2-1/2" MANUFACTURED FROM 1018 or A36 STEEL

 ALL ALL-THREAD ROD WILL MEET MINIMUM PHYSICAL AND
 CHEMICAL REQUIREMENTS OF ASTM A307 GRADE C

ITEM	MANUFACTURER	MATERIAL AS DESCRIBED ON INVOICE
1	VULCAN THREADED PRODUCTS	1-1/8"-7 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
2	VULCAN THREADED PRODUCTS	1-1/4"-7 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
3	VULCAN THREADED PRODUCTS	1-3/8"-6 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
4	VULCAN THREADED PRODUCTS	1-1/2"-6 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
5	VULCAN THREADED PRODUCTS	1-3/4"-5 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
6	VULCAN THREADED PRODUCTS	2"-4.5 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
7	VULCAN THREADED PRODUCTS	2-1/4"-4 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES
8	VULCAN THREADED PRODUCTS	2-1/2"-4 LOW CARBON STEEL THREADED ROD MELTED AND MANUFACTURED IN THE UNITED STATES

ITEM	HEAT#	CARBON	MANG	PHOS.	SULPHUR	SILICON	CHROM.	NICKEL	MOLY.	COPPER
1	5899I1120	.20	.80	.015	.026	.22	.10	.09	.03	.43
2	5899I5771	.17	.70	.02	.036	.16	.12	.10	.04	.41
3	3199I3248	.20	.60	.012	.040	.21	.11	.09	.04	.37
4	3199I3251	.18	.60	.012	.037	.21	.13	.10	.04	.33
5	151115	.14	.78	.008	.023	.21	.07	.15	.034	.37
6	151438	.17	.82	.005	.017	.23	.06	.09	.016	.21
7	681952	.18	.77	.01	.03	.22	-----	-----	-----	-----
8	640723	.18	.70	.02	.04	.22	-----	-----	-----	-----

HEAT #	TENSILE PSI MIN	YIELD PSI MIN	%ELONGATION 8" GAGE MIN %	REDUCTION OF AREA MIN %		
5899I1120	77,400	52,100	27	-----	-----	-----
5899I5771	72,400	49,600	24	-----	-----	-----
3199I3248	71,338	48,408	25	-----	-----	-----
3199I3251	75,796	48,408	23	-----	-----	-----
151115	68,000	46,900	47	-----	-----	-----
151438	70,100	49,700	52	-----	-----	-----
681952	92,300	85,400	16	-----	-----	-----
640723	89,500	80,550	15	-----	-----	-----

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