McMASTER-CARR®

Certificate

330-995-5500
330-995-9600 (fax)
cle.sales@mcmaster.com

Purchase Order	Order Date	Placed By	McMaster-Carr Number	Number of Certificates
P1520116	9/4/2024	Jon Wood	1910863-01	1

Line		Product	Ordered	Status	Certificate
2	8953K39	Ultra-Machinable 360 Brass Rod, 1-5/8" Diameter, 3 Feet Long	1 each	1 each delivers September 6	240–9931

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

MUELLER BRASS PORT HURON
2199 LAPEER AVENUE
PORT HURON, MI. 48060

Control No.: C0024113
Page: 1 Of 1

CERTIFICATION OF CONFORMANCE

Sold: 2274F001
To: UNITED STATES BRASS & COPPER
1401 BROOK DRIVE
1401 BROOK DRIVE
DOWNER'S GROVE, IL 60515 US

Ship: 2274F001
To: UNITED STATES BRASS & COPPER
1401 BROOK DRIVE
DOWNER'S GROVE, IL 60515 US

Cust PO: 20PPO05368-1
Cust Part: RDB0207 145
Type/Size: ROD RND 1.6250
Cust Spec: ASTM B16/B16M-19

MBCo SO: 23883 Ln: 2 Cert Lvl: 2
Part Nbr: 3600RD1625N12B0 FC
Qty Shpd: 1,942 UM: LB
BOL: 66009098 Shpd: 01/18/23

Mechanical Properties

Lot Number: 423390 | Temper: H020 1/2 H | CDA Alloy: C36000

	YIELD STRENGTH MIN., KSI	TENSILE STRENGTH MIN., KSI	ELONGATION MIN., %	ROCKWELL HARDNESS RB	
To .500" incl.	25	57	7	Rnd	Hex or Oct
.501 to 1.000" incl.	25	55	10	60-80	55-80
1.001 to 2.000" incl.	20	50	15	55-75	45-80
2.001 to 3.000" incl.	15	45	20	45-70	40-65
3.001 to 4.000" incl.	15	45	20	40-65	35-60
4.001" and over	15	40	20	25 min.	25 min.

* If product is specified for thread-rolling applications the minimum for Tensile Strength shall be 52ksi and Rockwell Hardness shall be 55-75

Chemical Analysis

ASTM B16/B16M-19	Cu	Pb	Fe	Zn					
Lot Number: 423390	60.0-63.0	2.5-3.0	0.35 Max	REM					
	61.1	2.8	0.17	REM					

We hereby certify to the chemical and mechanical properties reported herewith and to the fact that they were determined in conformance with the specification noted above or any exceptions to this specification we have granted. We also hereby certify that the material furnished on this order is free from mercury contamination and that no mercury bearing equipment was used in the manufacture of these items.

Melted and Manufactured in the USA

Conflict Minerals Compliant

Produced in Compliance with:
EN 10204 3.1
RoHS 3 (EU Directive 2015/863)
The 2000/53/EC

By: 01/18/23
James Tremp
Metallurgist