



DYNAMET
A Carpenter Company

195 Museum Road
Washington, PA 15301
Phone: 724.229.1100
Fax: 724.229.4195

PRODUCT CERTIFICATION

WORK ORDER
519595

SALES ORDER / RLS
065107 / 001

B

B

CUSTOMER P.O. CA180008	CUSTOMER PART TIGR4R6CWH8	QUANTITY 719	LADING NO lbs 00095280	SHIPMENT DATE 08/10/2018
PART INFORMATION 041DD2JAL02362 TI CP4 Standard Grade CG Bar - 6,0 mm (0.2362") Dia. Specifications: EN 2002-001 Rev: 2005; ASTM F 67 Gr4 Rev: 13 (2017); EN 10204 3.1 Rev: 04; ISO 5832-2 Gr4 Rev: 1999; NF EN 47-410 Rev: 1983; EN 4267 Rev: 2001; NF EN ISO 5832-2 Gr4 Rev: 2013 Size: 6,0 mm (0.2362") Dia. h8 (+0" / -0.0007") Length: 3,0 m (118.1") -0/+ 152mm (-0/+6")				
Chemical Report (Wt.%)				
Heat H30096	C T .050	C B .053	Fe T .15	Fe B .14
O T .35	O B .35	N T .006	N B .004	Y T <.0004
Y B <.0004	Ot P <.05	TOE <.20	Ti BAL	
Hydrogen (As Shipped)				
Hydrogen (%) 0.0021				
As Shipped Properties				
UTS #1 (Mpa) 948	YS 0.2% #1 (Mpa) 774	EL #1 (%) 15	RA #1 (%) 43	
Hardness (HRC) 29				
Metallography Results				
Grain Size (ASTM) 9.0				
Material Data				
Melt Origin USA	Melt Source TIMET			
Certification Information				
As Shipped Condition Cold Worked				

**T
i
R**

**T
i
R**



DYNAMET
A Carpenter Company

195 Museum Road
Washington, PA 15301

Phone 724.228.1000
Fax 724.229.4195

PRODUCT CERTIFICATION

WORK ORDER
519595

SALES ORDER / RLS
065107 / 001

**B
i
R
C
E
L
K
Ö
R
N
E
K
T
i
R**

CUSTOMER P.O.#	CUSTOMER PART	QUANTITY	LADING NO	SHIPMENT DATE
CA1800051	TIGR4R6CWH8	719 lbs	00095280	08/10/2018
<p>CERTIFICATION REQUIREMENTS</p> <p>Hydrogen Analysis From Final Product. Material Free of Alpha Case or Other Surface Contamination. Material Tested to 5D Gage Length. Material Free of Mercury and Radioactive Contamination. Material 100% eddy-current inspected at the finished diameter - All Accepted Complete Copy of The Original Material Chemistry Attached.</p>				
 Ken Pike Authorized Quality Release Agent				
<p>End of Certification</p>				
<p>This is to certify that the above test results are correct as contained in the records of the company.</p> <p>Certification shall not be reproduced except in full without the approval of Dynamet Inc. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Law.</p>				