



**MUSSARI S.r.l.**  
 Trafiliera tubi inox di alta precisione  
 Via Repubblica 11/B - Tel 031/390677 - 031/492476  
 Fax 031/390010  
 22075 LURATE CACCVIO/COMO (ITALY)  
 web-site: www.mussari.com

EN 10204 / 3.1  
 ABNAHMEPRUFZEUGNIS  
 CERTIFICAT D'ESSAIS  
 CERTIFICATO DI COLLAUDO

Comm. Nr.  
 3052/15-3264/16\*

DELIVERY BILL - Lieberschein/Bulletin de Livraison/Bolla di consegna  
 2769

N. 3603 - 2016  
 DATE: Datum/Dato 19 dicembre 2016

CUSTOMER ORDER N° - Bestellung/Commande Client/Ordine Cliente 2016168

MECHANICAL TEST

STEEEL GRADE	DIMENSIONS	QUANTITY	YIELD POINT	TENSILE STRENGTH	ELONGATION	HARDNESS	TECHNOLOGICAL TEST
TP 316 - 316L	1/4" x 0.070" 6.35 x 2.60	300,00	≥ 517	≥ 724	≥ 22%	≥ 95	FLARING TEST: Ewellenversuch/Evasement/Allargamento FLANGE TEST: Krempversuch/Bordage/Bordatura FLATTENING TEST: Anflachversuch/Abflattensamt/Schlickelemento BENDING REV. TEST: Fallversuch/Pilager/Pilagermente RING FLATTENING TEST: Ring Fallversuch/Ecrasement anneau/Prova di Schiacciamento DRIFT EXPANDING TEST: Anschwellversuch/Wandrin samt/Manifattura Anello

STEEEL GRADE	DIMENSIONS	HEAT N°	%C MAX	%Mn MAX	%SI MAX	%P MAX	%S MAX	%NI MAX	%Cr MAX	%Mo MAX	%TI	REMARKS
TP 316 - 316L	1/4" x 0.070" 6.35 x 2.60	A022440	0,022	1,080	0,680	0,039	0,003	10,100	16,880	2,080		smis tubes cold drawn HARD pickled nathlozes rohr kalt gezogen HART gebleicht - Tubes sans soudure étirés à froid Ecrui décapés - Tubi senza saldatura trafilati a freddo CRUIDI decapati

**LOW TECHNOLOGY LTD**  
 TEST CERTIFICATE  
 VERIFIED TRUE  
 COPY OF ORIGINAL

100% hydrostatic pressure tested at 22.500 Psi - 1550 Bar  
 During 5 sec :

Visual and Dimensional control : OK

MARKING-kennzeichnung/Marquage/Marcatura

MSR - AISI 316-316L - ASTM A 213/269 MSR-HP - TUBES Heat No. .... Tubes Size 1/4"x0.070" O.D. .... x .....mm I.D. C.D. Surt. For 20,000 Psi

INSPECTION DEPARTMENT SIGNATURE  
 Mussari S.r.l.

F13338 - 1/4" MEDIUM PRESSURE NIPPLE 237mm LONG 20K TOE ONLY 316L