

22715**Ship To: 12030- 3**Swagelok Winnipeg
118 Commerce Drive
Winnipeg, Manitoba
CANADA**Sold To: 12030**GRAND PRAIRE FLUID SYSTEM
TECHNOLOGIES INC. DBA
SWAGELOK GRAND PRAIRE
#100 11025- 89 AVENUE
GRAND PRAIRIE, AB T8V 5B9
Phone: 18444020202**Page: 1 of 2****Customer PO:** 8007440**Shipper:** s00091209**Sales Order:** 67913.1**Item Number:** S316D0625S- 065**Lot:** 1298646**Customer Item:** SS- T10- S- 065- 20**Customer Drawing:** SCS- 00062 REV C**SPECIFICATION REQUIREMENTS****Alloy/Grade:** 316L**Temper:** Annealed**Specifications:** ASME SA213- 21B EAW, ASTM A1016- 18a, ASTM A213- 21B EAW, ASTM A269- 15A, EN 10204 3.1- 2004
Nace MR0103- 2012, Nace MR0175/ISO 15156- 09, PED 2014/68/EU**TOLERANCE****Length:** 20 ft / 20 ft .1250"**OD:** .6200 / .6300**ID:** .0000 / .0000**Wall:** .0585 / .0715**ACTUAL DIMENSIONS**

.6242 / .6249

.0000 / .0000

.0609 / .0649

Qty Shipped: 2200**Date Shipped:** 08/25/22**TP 316 SMLS / TP 316L SMLS UNS S31600 / S31603****2.5% Min Moly****DFARS Compliant and ROHS Compliant****MECHANICAL PROPERTIES****TENSILE, PSI**

75000 MIN

83800

83300

YIELD, PSI

30000 MIN

47400

44900

ELONGATION %

35 MIN

58

60

HARDNESS

HRB 80 MAX

79

80

OTHER TESTS

Flare OK, E.C. OK, Flatten OK, Clean ID, Clean OD, Bright ID, Bright OD

Positive Material Identification using Niton XL Series Analyzers

Eddy Current tested per ASTM E426

Thermocouple clean per ASTM A632- S3

Microstructure clean & free from any carbide precipitation

SQS- 00012, SQS- 00020

CHEMICAL ANALYSIS**Heat:** 420762**Melter:** Sandvik**Country of Origin:** Sweden**C:** 0.010**Mn:** 1.34**P:** 0.027**S:** 0.009**Si:** 0.59**Cr:** 16.72**Ni:** 11.13**Mo:** 2.53

--- PRODUCT MANUFACTURED IN USA ---

--- MATERIAL PRODUCED FREE OF MERCURY ---

ALL TEST RESULTS ARE MAINTAINED ON FILE PER CMC- QAD- SOP- 010By: Thomas Endicott, QA Lab Tech

08/25/2022

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THIS IS TO CERTIFY THAT ALL REQUIRED INSPECTIONS AND TESTS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE ORDER REQUIREMENTS AND THAT THE VALUES SHOWN ARE CORRECT AND TRUE. BASED ON THESE TESTS, THE MATERIAL COMPLIES WITH THE ORDER REQUIREMENTS.

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Date: 08/25/2022