



INSPECTION CERTIFICATE (3.1) - Chemical analysis
TEST REPORT (2.2) - Mechanical properties

Issued Date: 2024-09-26

Certificate number: EC27649233 rev. 0

Our order: 0
Our reference:
Customer number: NA
Customer order date:

Your order:
Your reference:
Your fax number:
Your e-mail:

Invoice address
0

Receiver of certificate

Delivery address

DELIVERY Lot number: ZBY0810927

PRODUCT

Brand: ESAB
Description: XPERT 7018-1 2.5x350 mm
Item number: 3777253S00

CHEMICAL ANALYSIS

Actual results: acc to EN 10204 - 3.1

All weld metal

C	0.08%
Si	0.45%
Mn	1.24%
P	0.011%
S	0.011%
Cr	0.03%
Ni	0.01%
Mo	0.01%
V	0.01%

CLASSIFICATIONS

SFA/AWS A5.1: E7018 H4
SFA/AWS A5.1: E7018-1 H4
EN ISO 2560-A: E 42 4 B 42 H5

MECHANICAL PROPERTIES

Typical data: acc to EN 10204 - 2.2

Tensile

Standard	Condition	Rp0.2 [MPa/ksi]	Rm [MPa/ksi]	A4 [%]
AWS	As welded	480/70	530/77	33

Impact

Standard	Condition	Temp [°C/°F]	KV[J/ft-lb]
AWS	As welded	-45/-49	120/89

A4, A5 = Elongation
ReH = Upper Yield Point
ReL = Lower Yield Point
Rm = Ultimate Tensile Strength
Rp0.2 = Yield Strength 0.2 offset
Rp1.0 = Yield Strength 1.0 offset

COMMENTS

Production Month : 03/2024
Radiography : Acceptable result & Level of testing: SCH F

Product supplied under a QA Programme fulfilling the EN ISO 9001 standard.
This certificate is produced electronically.
Please refer any queries to:
Plot No. S20134, Jebel Ali Free Zone (South), PO Box 8964, Dubai, Tel +971 4 880 9493

Validation

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