

DEGERFORS LONG PRODUCTS
S-693 81 DEGERFORS, SWEDEN
Ref.QC-Dept. Jörgen Johansson

Date-Datum-Date

No. LP 2243-23
Your order-Ihre Bestellung-Votre commande

2023-10-06

92831/W

Product-Erzeugnisform-Produit
Stainless steel, hotrolled, peeled bar.
Solution heat treated at 1050°C/0.5 min per mm
thickness att water quenched.
Delivery cond: EN 10095, 1E.
Dia tolerance: EN 10060

Our order
Unsere Auftrag
Notre commande

Advice of delivery
Lieferschein
Avie d'expédition

82952

Requirements-Prüfgrundlagen-Exigences
135/NBR 1.4835 Ed.1, R0
EN 10095:1999
ASTM A276-16a, A479/A479M-17
ASME BPVC.II.A SA-276-2017,
SA-479/SA-479M-2017
EN 10060:2003 (tolerances)

Purchaser-Besteller-Acheteur



Marking-Kennzeichnung-Marquage

Type of steel
Werkstoff Nr.
Nuance
1.4835/X9CrNiSiNce21-11-2
1.4835, S30815
253 MA

Brand mark
Herstellkennzeichen
Sous le produit feuilleté



Inspector's stamp
Abnahmezeichen
Sceau de l'inspecteur



Melting process
Herstellungszugsart
Procédé de fusion

AOD-Converter refining
CC to bloom 400 x 300

Extent of delivery-Lieferumfang-Etendue de livraison

Item Pos.	Quantity Anzahl	Dimensions, mm Abmessungen, mm	Cast No. Schmelze Nr.	Lot No. Los Nr.	Test No Probe Nr	Weight Kg Gewicht Kg	Reduction ratio Reduktions Grad
01-01	20	Round 70	E230572	144267	16887-1	3 098	27.40

Chemical composition-Chemische Zusammensetzung-Composition Chimique (weight %)

Cast No.	C	Si	Mn	P	S	Cr	Ni	Mo	Cu	Co	N	Ce
E230572	0.070	1.71	0.42	0.022	0.001	20.94	10.21	0.02	0.060	0.11	0.156	0.052

Mechanical tests - Mechanische Prüfungen - Essais mécaniques

Test results-Prüfgergebnisse-Résultats d'essais (L=longitudinal/längs/long, T=transversal/quer/travers)

Test No./L/T	Rp 0,2	Rp 1,0	Rm	A50	Z	HB	Impact test-Kerbschlagbiegeversuch- Résilience	Temp
Probe Nr./L/T								
Eprouvette n./L/T	MPa	MPa	MPa	%	%			
	min	min		min	min	max		
Requirements	310	350	650-850	40	50	210		
Sollwerte	Requirements according to EN 10095/1.4835, ASTM A276, A479/S30815.							
Exigences								
16887-1	L, T/4	354	391	704	58	72	184	100
							Impact test not required	20

Other tests-Sonstige Prüfungen-Autres essais

UT/US: EN 10308, 1a, class 3. Approved/Ohne beanstandung.

Grain size according to ASTM E112 : 16887-1 = 4.5

The order requirements stipulated are satisfied

Inspection and gauge measurement-Ausmessung
und Besichtigung-Contrôle visuel et dimensionnel
PM test has been performed on every bar/billet with
Yield strength (X F), approved/Ohne Beanstandung
No weld joint prior to inspection/Kein Schweißnaht
No remarks from Beanstandung/Pas de remarque
Free from Mercury contamination at time of shipment.
Radioactivity < 0.1 Bq/g (equivalent to Co⁶⁰). Measured
on samples of the material using analysis techniques
in accordance with guidelines issued by the IAEA.

EN ISO 9001:2015 and EN ISO 14001:2015.

Certificate no. 5749-3027684-0102.

Approved by TÜV NORD Scandinavia AB.

Approved by TÜV NORD Systems

Certificate no. 07/202/9140/WZ/0689/18

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Reg.No.:556001-8748

V.A.T.No.:SE5560011874801

Registered office:Stockholm, Sweden

Outokumpu Stainless AB
Degerfors Long Products

Jörgen Johansson

JÖRGEN JOHANSSON
Section Manager Quality Control