




Usine productrice/Hersteller/Manufacturer Ugine Avenue Paul Girod - CS 90100 73403 Ugine Cedex France	CERTIFICAT DE RECEPTION 3.1 ABNAHMEPRUEFZEUGNIS 3.1 INSPECTION CERTIFICATE 3.1 ----- EN 10204 / 3.1	UGITECH Providing special steel solutions 
---	---	--

Numéro certificat/Nummer/Number 81747697 900008	Ordre de fab. / Auftrag / Prod. Order A1645KE07000	N° coulée / Schmelzen Nr / Heat N° 645401	N° lot MM / Chargen / Batch 1645KE0700
---	--	---	--

Certification - Werkzeugnis - Certificate AD 2000-MERKBLATT W0 Pressure Equipment Directive 2014/68/EU Annex I Section 4.3 ISO 9001 ISO/TS 16949	EN 9100 EN 9120	Marque d'usine Herstellerzeichen Supplier's Mark	 
--	--------------------	--	--

UGIMA 4571 BAR DRAWN POLISHED SOLUT° ANNEALED & COLD WORKED H9 ROUND 25,000MM LONG . 3,000M + 100,000MM -0,000MM	
Produit	UGIMA 4571 BARRE ETIRÉE POLIE HYPERTREMPÉ DÉF. À FROID H9 ROND(E) 25,000MM LONG. 3,000M + 100,00
Erzeugnisform	UGIMA 4571 STAB GEZOGEN POLIERT ABGESCHRECKT KALTVERFORMT H9 RUND 25,000MM LONG. 3,000M + 100,00
Product	UGIMA 4571 BAR DRAWN POLISHED SOLUT° ANNEALED & COLD WORKED H9 ROUND 25,000MM LONG. 3,000M + 100

Client - Besteller - Purchaser 27437 OOO SCHMOLZ + BICKENBACH	N° cde client - Kundenbestellnummer - Purchase order number 5049001293	Commande - Bestellung - Order 791690 140
---	--	--

Norme de référence / Besugsnorm / Standard for reference	
AD 2000 W2 ED 02.2009 1.4571	EN 10272 : 2016-11 1.4571
NACE MR0175/ISO 15156-3:2015. 316TI	EN 10088-3 ED2014 1.4571
AD 2000 W10 ED 05.2016 1.4571	JIS G4303 ED2012 SUS316TI
NACE MR0103/ISO 17945:2015. 316TI	PED 2014/68/EU


Spécification client / Kundenspezifikation / Customer's specification - - -
--


Nombre Stueckzahl Pieces Nbr	Profil Profile Shape RO	Dimension Ausmessung Dimension 25,000	Longueur Laenge Length 3,000	Poids Gewicht Weight 498 KG
------------------------------------	---	---	--	---

Mode d'élaboration Erschmelzungsart Melting process EAF + AOD + CC	N° prélèvement Probenummer Test number CKVK	Demandé / Vorschrift / Required Min Max coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product
--	---	---

Demandé / Vorschrift / Required Min Max coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product	50 % P 0,0450 0,0296	51 % TI 0,7000 0,1190	52 % CO 0,1350	53 54 55 70 71 72 73 74 75
---	-------------------------------	--------------------------------	----------------------	----------------------------

Demandé / Vorschrift / Required Min Max coulée/ Schmelzen / Heat Produit / Erzeugnisform/ Product	76 77 78 79	80 81 82 83	84 85 86 87	76 77 78 79 80 81 82 83 84 85 86 87
---	----------------------	----------------------	----------------------	-------------------------------------

We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	Ugine le 16.12.2016 Le Responsable Métallurgie-Qualité Der Qualitätsbeauftragter
We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	The Quality Manager  B. POLLET 040001046434 Page 1/2

Usine productrice/Hersteller/Manufacturer Ugine Avenue Paul Girod - CS 90100 73403 Ugine Cedex France	CERTIFICAT DE RECEPTION 3.1 ABNAHMEPRUEFZEUGNIS 3.1 INSPECTION CERTIFICATE 3.1 ----- EN 10204 / 3.1	 UGITECH Providing special steel solutions
---	---	---


Numéro certificat/Nummer/Number 81747697 900008	Ordre de fab. / Auftrag / Prod. Order A1645KE07000	N° coulée / Schmelzen Nr / Heat N° 645401	N° lot MM / Chargen / Batch 1645KE0700
---	--	---	--

		T° C	Limite d'élasticité		RM	Alongement		Striction	Dureté-Haerte-Hardness				
			Streckgrenze			Zugfestigkeit	Bruchdehnung		Einschnürung	HB	HV	HRB	HRC
24	90	Yield Strength	0,2%	1%	Tensile		A5D	A4D					
	Min	° C	Mpa	Mpa	Mpa	%	%	%					
	Max	20	200	235	500	30							
	Min	20			800								
	Max												
N° prélèvement Probenummer Test number	CKVK	1201 L	20	410	477	619	47		71	177			< 22
A l'état de Référence / treatment on test sample / Probestreifenbehandlung													

		Type Form Type	T° C	Sens Richtung Direction	Min	Valeurs individuelles		Moyenne Mittelwerte Average	Expansion latérale Seitliche Breitung Lateral Expansion	
						Einzelnwerte Individual values				
Taux de corroyage Forging ratio Verschmiedungsgrad	79,2	31	33	32	95			35	36	91
A l'état de livraison / Lieferzustand / As delivered	13		° C	L	J	J		J		
Solut° annealed & cold worked			20		100	144-136-148		143		
						--				
						--				
A l'état de Référence / treatment on test sample / Probestreifenbehandlung										

TÜV LETTER OF APPROVAL IN OUR POSSESSION. WE ABSTAIN OF A COUNTERSIGNATURE
 INTERCRYSTALLINE CORROSION RESISTANCE ACCORDING TO ASTM A262 PRACTICE E : CONFORM
 FREE FROM INTERNAL DEFECTS GUARANTEED BY THE PROCESS CONTROL
 ANTIMIXING TEST PERFORMED TO SPECTROSCOPIC METHOD : CONFORM
 INTERCRYSTALLINE CORROSION RESISTANT ACCORDING TO ASTM A262 PRACTICE E.
 FREE FROM INTERNAL DEFECTS GUARANTEED BY THE PROCESS CONTROL
 ANTIMIXING TEST PERFORMED TO SPECTROSCOPIC METHOD : CONFORM
 TÜV LETTER OF APPROVAL IN OUR POSSESSION. WE ABSTAIN OF A COUNTERSIGNATURE
 COUNTRY OF MELT SOURCE : FRANCE
 MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION AND WELDS OR WELD REPAIRS AT TIME OF SHIPMENT

N° certificat d'origine/Ur-Los Werkszeugnisnummer/Original certificate number 81730333 900001	Poids lot origine/Ur-Los Gewicht/Original batch weight 1040 KG
---	--

We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	Ugine le 16.12.2016 Le Responsable Métallurgie-Qualité
We declare that the mentioned product is in compliance with the requirements of the contract and that, after checks and tests, it meets in all respects the specified requirements and applicable standards and regulations, except reservations or exceptions as listed in this declaration of conformity ; Document validated by electronic signature. Material manufactured in the REACH regulation respect.	Der Qualitätsbeauftragter The Quality Manager  040001046434 Page 2/2 POLLET