

Certificate

Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU

Certificate no.: 01 202 IND/Q-18 0014

Name and address of the
certificate holder:

**BF Industrial Technology & Solutions Limited
244/6, GIDC Indl. Estate, Waghodia
Vadodara 391760, India**

Herewith we certify that the material manufacturer has
established and applies a Quality Management System.
The system was audited according to the European Directive
2014/68/EU, Annex I, Par. 4.3, with regard to the materials as
listed in the scope of approval.

Test basis:

**QM System acc. to EN 764-5, article 4.2 and
AD 2000-Merkblatt W0**

Audit report no.:

01 202 IND/Q-18 0014

Scope:

**“Manufacturer of Closed die & Open die forgings in Stainless Steel,
Carbon Steel and Alloy Steel”, see annex, 11-02-2022, Rev.:2,
to certificate**

Manufacturing plant:

see certificate holder

Validity:

This certificate is valid until 2024-10-08.


Cologne, 2022-03-03


Dipl.-Ing. (FH) Vera Ruff





TÜV Rheinland Industrie Service GmbH
Notified Body for Pressure Equipment, ID-No. 0035
Am Grauen Stein, D-51105 Cologne

E-108a

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3		<input type="checkbox"/> EN 764-4		<input checked="" type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)				
Manufacturer				Work		Nationality		Date		Page No..		
Company Name: BF Industrial Technology & Solutions Limited Location: 244/6-7, 1401, 1402, 1403 GIDC Industrial Estate Waghodia, Vadodara 391760				244/6-7, 1401, 1402, 1403 GIDC Industrial Estate, Waghodia, Vadodara 391760		India		11-02-22		1		
								Rev.: 2		of : 4		
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ res ult	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	1.4313	EN 10222-5	NT	Flanges Bars Forgings			12.5	2500				
2	1.4462	EN 10222-5	AT				100	1500				
3	1.0460, 1.0345	EN 10222-2	N				12.5	3000				
Remarks		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary										

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1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
2. Materials according to the AD 2000-Code												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
4	1.4301,1.4404,1.4406,1.4401 1.4541,1.4571,1.4307,1.4311 1.4948	EN 10222-5	AT	Flanges Bars Forgings			12.5	2500			AD 2000 W2/W10	
							100	1500				
							12.5	3000				
Remarks		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary										

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					from	Up to	from	Up to	↓	res ult		
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3. Materials according to international standards (e. g. ASTM, ASME, IBR etc.)												
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5	F304,F304L,F304H F316,F316L,F316H F310,310H,F348,F348H,F309H F321,F321H,F347,F347H F5,F9,F11,F12, F 6A F 51 / F 53 / F 55	ASTM A 182	AT	Flanges Bars Forgings								PMA for the use in pressure equipment in Directive 2014/68/EU necessary 
6	F304,F316	ASTM A 965	AT									
7	A105	ASTM A 105	N									
8	LF2	ASTM A 350	N									
9	F22,F91	ASTM A 182	NT									
Results		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed +NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary										

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10	1.7218,1.7225,1.6582	EN 10250-3	QT	Flanges Bars Forgings							PMA for the use in pressure equipment in Directive 2014/68/EU necessary 	
11	UNS N06625, UNS N06617 UNS N010276,17-4 PH,15-5PH	ASTM B 564	AT				12.5	2500				
12	UNS N07718	ASTM B 637	AT				100	1500				
13	S 355 J2 G3,S235J2G3	EN 10250-2	N				12.5	3000				
14	C 45 / C 60	EN 10250-2	N									
Results		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary				