

# CERTIFICATE

**The TÜV NORD Systems GmbH & Co. KG**

certifies that the company

## **Precision Metals**

**Plot No. 253 (a/b/c/d/e/f/g), 254, 257, 258, Takai-Adoshi Road  
Atkargaon, Khopoli – 410 203, Taluka: Khalapur, Dist. Raigad  
Maharashtra, India**

has been verified and recognized as material manufacturer according to

## **AD 2000-Merkblatt W0**

**Certificate-No.: 07-203-1409-WP-1417/15**

The scope of approval is available in the annex  
“scope of approval”, file no.:SEI-263/16 (811 328 8507).

The company fulfils the following essential requirements:  
Facilities permitting appropriate manufacturing and inspection corresponding to the present  
technical standards, quality assurance, which guarantees that manufacturing and inspection of products stated  
in our scope of approval are carried out in accordance with technical regulations,  
competent supervising and inspecting personnel.

This certificate is valid until

**Dezember 2018**



**Niekamp**

TÜV NORD Systems GmbH & Co. KG

Essen, 22.12.2015

# CERTIFICATE

**Quality Assurance System  
for Material Manufacturer  
acc. to Pressure Equipment Directive 97/23/EC**

**Certificate no.: 07-202-1409 WZ-1417/15**

**Name and address  
of manufacturer:**

**Precision Metals  
Plot No. 253 (a/b/c/d/e/f/g), 254, 257, 258, Takai-Adoshi Road  
Atkargaon, Khopoli – 410 203, Taluka: Khalapur, Dist. Raigad  
Maharashtra, India**

This is to certify that the manufacturer has implemented and applies a QA System.  
This QA System has been subjected to a specific assessment for material acc. to Directive  
97/23/EC, annex I, sec. 4.3 with regard to the materials mentioned within the scope of approval.

**Approved:**

**QA System acc. to AD2000-Merkblatt W0  
and EN 764-5, sec. 4.2**

**Audit report no.:**

**811 289 1982**

**Scope of approval:**

**Manufacture and Supply of Stainless Steel Bars & Wire  
Rods**

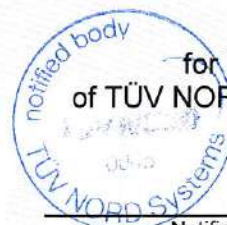
Details of the scope are mentioned in the annex of the  
certificate AD2000-Merkblatt W0.

**Production site:**

**Plot No. 253 (a,b,c,d,e,f,g), 254, 257, 258, Takai-Adoshi  
Road, Atkargaon, Khopoli-410203, Taluka: Khalapur,  
Dist. Raigad, Maharashtra, India**

The manufacturer disposes of the essential procedures and equipments as well as the required  
qualified personnel to ensure quality of manufacturing and testing the materials and products  
mentioned in the scope of approval.

Essen, 22.12.2015



**Notified Body  
for Pressure Equipment  
of TÜV NORD Systems GmbH & Co. KG**

**Niekamp**

Notified Body, registration no. 0045

**Remark of validity:**

**Valid until Dezember 2018**

TÜV NORD Systems GmbH & Co. KG  
Notifizierte Stelle für Druckgeräte  
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D-22525 Hamburg/Germany

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# TUV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045  
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC,  
 annex I, sec. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0

Firm: PRECISION METALS  
 Place: Atkargaon, Khopoli  
 Annex to Certificate  
 DGRL-Nr.: 07 202 1409 WZ 1417/15  
 AD 2000-W0-Nr.: 07 203 1409 WP 1417/15

Date : 22.12.2015  
 TÜV-File: SEI-263/16  
 SAP 811 328 8507



Item No.	Material Designation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Techn. Specification Requirements	Remarks
1	2	3	4	5	6	7	8	9
1.1	1.4301	DIN EN 10272	+AT	Stainless Steel Bright Bar			Directive 97/23/EC	Certified acc. to PED annex I, sec. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045).
1.2	1.4306	DIN EN 10272	+AT	Stainless Steel Hex & Square Bar	6.35 to 47 mm	2.0 mm to 160 mm	AD 2000 Merkblatt WZ	
1.3	1.4307	DIN EN 10272	+AT					
1.4	1.4401	DIN EN 10272	+AT	Stainless Steel Bright Bar			Directive 97/23/EC	
1.5	1.4404	DIN EN 10272	+AT					
1.6	1.4541	DIN EN 10272	+AT					
1.7	1.4571	DIN EN 10272	+AT	Stainless Steel Wire Rod				
2.1	1.4462	DIN EN 10272	+AT					
3.1	1.4301	EN 10088-3	+AT	Stainless Steel Bright Bar		2.0mm to 160 mm		If use in area of pressure equipment directive a Particular Material Appraisal ( PMA) is necessary.
3.2	1.4306	EN 10088-3	+AT					
3.3	1.4307	EN 10088-3	+AT	Stainless Steel Hex & Square Bar	6.35 to 47 mm	2.0mm to 39.5 mm		
3.4	1.4401	EN 10088-3	+AT					
3.5	1.4404	EN 10088-3	+AT					
3.6	1.4541	EN 10088-3	+AT	Stainless Steel Hex & Square Bar				
3.7	1.4571	EN 10088-3	+AT					
3.8	1.4006	EN 10088-3	+A,+QT650					
3.9	1.4057	EN 10088-3	+A,+QT800,+QT900					
3.10	1.4462	EN 10088-3	+AT					

Explanation: +AT / AT = solution heat treated and detemred; N = Normalized or normalizing rolled / forming;  
 NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated  
 AR = without annealing; SR = stress relieved; A = soft annealed; CR = controlled hot rolled  
 Hints for materials use acc. to Directive 97/23/EC :  
 The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

# TÜV NORD Systems GmbH & Co. KG

Notified Body for Pressure Equipment Directive (PED), Reg. No. 0045  
 Scope of approval for material manufacturer acc. to Pressure Equipment Directive 97/23/EC,  
 annex I, sec. 4.3 and AD 2000-Merkblatt W0 / AD2000-Guidelines W0

**Firm:** PRECISION METALS  
**Place:** Aitkargaon, Khopoli

**Date:** 22.12.2015  
**TÜV-File:** SEI-263/16  
**SAP:** 811 328 8507



Item No.	Material Designation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, g]	Techn. Specification Requirements	Remarks
1								
3.11	TYPE 304	ASTM A 276,	4	5	6	7	8	9
3.12	TYPE 304L	ASTM A 479,	+AT	Stainless Steel Bright Bar		2.0mm to 160 mm	If use in area of pressure equipment directive a Particular Material Appraisal ( PMA) is necessary.	
3.13	TYPE 316	ASME SA 276,	+AT	Stainless Steel Wire Rod		2.0mm to 39.5 mm		
3.14	TYPE 316L	ASME SA 479,	+AT					
3.15	TYPE 316Ti		+AT					
3.16	TYPE 321		+AT					
3.17	S31803		+AT					
3.18	TYPE 410	ASTM A276	A*, T*, H*					
3.19	TYPE 431	ASME SA 276,	A*					
3.20	TYPE 410	ASTM A479	A* 1,2,3					
3.21	TYPE 431	ASME SA 479,	Annealed & Tempered					

Explanation: +AT / AT = solution heat treated and derolled; N = Normalized or normalizing rolled / forming;  
 NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated  
 AR = without annealing; SR = stress relieved; A = soft annealed; CR = controlled hot rolled