

Certificate

TN/AD2000-W0/1921/23

Report No. / Manufacturer No. / Validity remark: 8121896716 / 1921 / 09.2023 - 09.2026

**Material Manufacturer
acc. to AD 2000-Merkblatt W 0**

TÜV NORD Systems GmbH & Co. KG confirms that the manufacturer

IPL S.r.l.**Via Papa Giovanni Paolo I, 306****21040 Uboldo (VA) - Italy****Manufacturing site: see above****Warehouse: Via Papa Giovanni XXIII, 237, I-21040Uboldo(VA)**has been inspected and recognised as a material manufacturer in accordance with the requirements of the certification scheme **TNS-AD2000-W0** acc. to AD 2000-Merkblatt W 0.

For details, see the report and the scope of the assessment.

The manufacturer has the following requirements:

- facilities for proper manufacturing and testing,
- appropriate processes for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products and
- a quality management system with corresponding records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Hamburg, 05.10.2023

TÜVNORDDigitally signed by
Schildknecht Niklas

Certification Body

TÜV NORD Systems GmbH & Co. KG

Große Bahnstraße 31, 22525 Hamburg, Germany

tuev-nord.de | certifications@tuev-nord.de

Scope of Approval

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No.	Material designation	Specification	Delivery cond. [info]	Product form	Dimensions thickn./ Ø weight	AD 2000 Merkblatt acc. to W series	Remarks
1.1	25CrMo4 (1.7218)	EN 10269	+QT	Bolts + Nuts	max. Ø 150	AD 2000-Mbl. W7-1	
	42CrMo4 (1.7225)		+QT	Bolts + Nuts	max. Ø 65	AD 2000-Mbl. W7-1	
	X5CrNi18-10 (1.4301)		+AT	Bolts + Nuts	max. Ø 160	AD 2000-Mbl. W7-2	
	X5CrNiMo17-12-2 (1.4401)		+AT	Bolts + Nuts	max. Ø 160	AD 2000-Mbl. W7-2	
1.2	X6CrNiTi18-10 (1.4541)	EN 10272	+AT	Bolts + Nuts	max. Ø 250 1)	AD 2000-Mbl. W7-2	1) forged max. Ø 350 mm
	X6CrNiNb18-10 (1.4550)		+AT	Bolts + Nuts	max. Ø 250 1)	AD 2000-Mbl. W7-2	

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2	A193B7/A194 Gr. 7	ASTM A 193/194	3)	Bolts+Nuts	3)	2)	Materials according to other standards, technical rules	
	A320 L7	ASTM A 320		Bolts				
	A193 B16/A194 G.16	ASTM A193/194		Bolts+Nuts				
	A193/320 B8/A 194 G.8	ASTM A193/320/194		Bolts+Nuts				2) Only for Information: If use in area of AD2000 or PED 2014/68/EU
	A193/320 B8M/A 194 G.8M	ASTM A193/320/194		Bolts+Nuts				
	A193/320B8T/A 194 G.8T	ASTM A193/320/194		Bolts+Nuts				a Particulare Material Appraisal (PMA) is necessary
	UNS S31803	ASTM A1082		Bolts+Nuts				
	UNS S32760	ASTM A1082		Bolts+Nuts				
	A453 G.660 A-B-C-D	ASTM A453		Bolts+Nuts				
	A193/320 B8C/A 194 G.8C	ASTM A193/320/194		Bolts+Nuts				3) acc. to technical specification in column 3
	A194 2H	ASTM A 194		Nuts				
	A194 G. 4	ASTM A 194		Nuts				