

This is to certify that the works of

**BISCHOFF STAHL UND EDELSTAHL GUSS GMBH
LÜDINGHAUSEN
GERMANY**

has provided verification of compliance with the conditions of:

AD 2000-Merkblatt W0

Among other prerequisites, the above mentioned company fulfils the following:

- Facilities that provide a proper and state-of-art fabrication and testing,
- A quality assurance system which ensures the uniformity of the products stated in our report,
- Competent supervisory and testing personnel.

The scope of this verification as well as details concerning the major conditions can be taken from our letter ref. no. 006765-III-16 of 2016-08-30.


This certificate is granted provided that all products comply in every respect with AD 2000-Merkblatt W0.

Certificate No. WZ 2734 HH 1

This Certificate is valid until: 2019-03-09

Hamburg, 2016-08-30


Stefan Röhr


Dr. Eva Junghans



Ref. no.: 006765-III-16

**Manufacturer: Bischoff Stahl und
Edelstahl Guss GmbH**

List 4: Cast Steel

Grade	Key	Supply Condition (1)	max. Wall Thickness, mm	max. Weight	Casting Method (2)	Remarks
G20Mn5, G28Mn6 acc. to EN 10293	SA	N, Q+T		4000 kg		
G30CrMoV6-4, G34CrMo4, G42CrMo4 acc. to EN 10293	SA	Q+T		4000 kg		
GE200, GE240 acc. to EN 10293	SA	N		4000 kg		
GP240GH, G20Mo5, G17CrMo5-5, G17CrMo9-10, G17CrMoV5-10 acc. to EN 10213-2	WF	Q+T		4000 kg		
GX5CrNiMoNb19-11-2, GX5CrNiMo19-11-2, GX5CrNiNb19-11, GX5CrNi19-10 acc. to EN 10283	NR	N, Q+T		4000 kg		
1.1120 acc. to DIN 17182	SA	N, Q+T		4000 kg		
1.5621, 1.7221 acc. to SEW 685	SA	Q+T		4000 kg		
1.6902 acc. to SEW 685	SA	AC		4000 kg		

Key: -A Austenitic cast steel
SO Special cast alloy

KZ Cast steel for low temp
WF Cast steel for elevated temp.

NR Stainless cast alloy

SA Cast steel for common use

(1):

AC, AF, AR = as cast, as forged, as rolled
CR = controlled rolled
F = ferritized
HF = hot formed
N = normalized

N+T = normalized + tempered
Q+T = quenched + tempered
SH = surface hardened
S+Q = solution annealed + quenched
TM = thermomechanically rolled

(2):

CC = continuous casting
IC = ingot casting