

# Certificate

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

Certificate no.: 01 202 BG/Q-22 0002

Name and address of the  
certificate holder:

**DİKKAN METAL ÜRÜNLERİ SAN. TİC. A.Ş.**  
**Kemalpaşa Yolu Hayıtlıkır Mevkii No:30**  
**35730 İzmir**  
**Turkey**

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 BG/Q-22 0002

Scope:

**Casting and Machining of gray iron, ductile iron, steel and  
stainless steel parts, bronze alloys and brass materials  
of valves for industrial and marine use, see annex  
(Rev. 0, 05.05.2022) to certificate**


Manufacturing plant:

see certificate holder

Validity:

**This certificate is valid until 2025-08-28.**


Cologne, 2022-08-29

  
Dipl.-Ing. (FH) Vera Ruff




TUV 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 checked="" type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)						
Manufacturer				Work				Nationality	Date	Page No..				
Company Name: DIKKAN METAL ÜRÜNLERİ SAN. VE TIC A.Ş. Location: İZMİR KEMALPAŞA YOLU, HAYITLIKIR MEVKII NO:30, 35730 Kemalpaşa – Izmir, Turkey				İZMİR KEMALPAŞA YOLU				TURKEY	05.11.22	1	TÜV Rheinland Industrie Service  GmbH			
								Rev.:1	of :	3				
Cur -	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications  Requirements  Technical Regulations	Remarks  		
					Thick- ness mm		Ø mm		1=t / 2=kg				↓	result
					from	Up to	from	Up to	8a	8b				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10		
<b>1. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>														
1	EN-GJS-400-18-LT (5.3103)	EN 1563	+AR	Castings	5	34	-	-	2	2000	EN 1563			
2	EN-GJS-450-10 (5.3107)	EN 1563	+AR	Castings	5	34	-	-	2	2000	EN 1563			
3	EN-GJS-400-15 (5.3106)	EN 1563	+AR	Castings	5	34	-	-	2	2000	EN 1563			
4	EN-GJS-500-7 (5.3200)	EN 1563	+AR	Castings	5	34	-	-	2	2000	EN 1563			
5	GP240GH (1.0619)	EN 10213	+N	Castings	5	34	-	-	2	1750	EN 10213			
6	GX5CrNiMo19-11-2 (1.4408)	EN-10213	+AT	Castings	5	34	-	-	2	1750	EN 10213			
7	GX5CrNi19-10 (1.4308)	EN-10213	+AT	Castings	5	34	-	-	2	1750	EN 10213			
8	GX2CrNiMo19-11-2 (1.4409)	EN-10213	+AT	Castings	5	34	-	-	2	1750	EN 10213			
9	Gx2CrNi19-11 (1.4309)	EN-10213	+AT	Castings	5	34	-	-	2	1750	EN 10213			
<b>Remarks</b>	+AT = solution annealed +AR = as rolled/ untreated +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							

Scope according to		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: DIKKAN METAL ÜRÜNLERİ SAN. VE TIC A.Ş. Location: İZMİR KEMALPAŞA YOLU, HAYITLIKIR MEVKII NO:30, 35730 Kemalpaşa – Izmir, Turkey					İZMİR KEMALPAŞA YOLU					TURKEY		05.11.22	2	TÜV Rheinland Industrie Service	
										Rev.:1	of : 3	GmbH			
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max  1=t / 2=kg ↓ result t	Technical Specifications		Remarks			
					Thick- ness mm		Ø mm			Requirements	Technical Regulations				
					from	Up to	from	Up to							
1	2	3	4	5	6a	6b	7a	7b	8 a	8b	9	10			
<b>2. Materials according to the AD 2000-Code</b>															
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.															
10	EN-GJL-250 (5.1301)	EN 1561	+AR	Castings	5	34	-	-	2	2000	AD2000 W3/1				
11	EN-GJS-400-18-LT (5.3103)	EN 1563	+AR	Castings	5	34	-	-	2	2000	AD2000 W3/2				
12	EN-GJS-400-15 (5.3106)	EN 1563	+AR	Castings	5	34			2	2000	AD2000 W3/2				
13	EN-GJS-500-7 (5.3200)	EN 1563	+AR	Castings	5	34			2	2000	AD2000 W3/2				
14	GP240GH (1.0619)	EN 10213	+N	Castings	5	34	-	-	2	1750	AD2000 W5				
15	GX5CrNiMo19-11-2 (1.4408)	EN 10213	+AT	Castings	5	34	-	-	2	1750	AD2000 W5				
16	GX5CrNi19-10 (1.4308)	EN 10213	+AT	Castings	5	34	-	-	2	1750	AD2000 W5				
17	CuZn39Pb3 / CW614N	EN 12164	+AR/ +AT	Rods	-	-	16	60	2	2000	AD2000 W6/2				
<b>Remarks</b>	+AT = solution annealed +AR = as rolled/ untreated +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								

Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4		<input type="checkbox"/> AD 2000-Merkblatt W0		<input type="checkbox"/> Regulation (EU) No. 305/2011(System 2+)					
Manufacturer				Work				Nationality	Date	Page No..		
Company Name:									05.11.22	3	TÜV Rheinland Industrie Service GmbH	
Location:									Rev.:1	of : 3		
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1=t / 2=kg ↓ result	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
<b>3. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
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.												
18	Grade WCB	ASTM A-216	+N	Castings	5	34	-	-	2	1750	ASTM A-216	a
19	CuSn5Zn5Pb5	EN 1982	+AR	Castings	5	34	-	-	2	1000	EN 1982	a
20	CuSn10 / CC480K	EN 1982	+AR	Castings	5	34	-	-	2	1000	EN 1982	
21	CuAl10FeNi5 / CC333G	EN 1982	+AR	Castings	5	34	-	-	2	1000	EN 1982	
22	CuSn7Zn2Pb3	EN 1982	+AR	Castings	5	34	-	-	2	1000	EN 1982	
23	CuZn39Pb3 / CW614N	EN 12164	+AR/ +AT	Rods	-	-	16	60	2	2000	EN 12164	a
<b>Results</b>		+AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled/ untreated		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								