



Qingdao Casting Quality Industrial Co., Ltd

Casting Material: Carbon Steel GS60

DIN 1681: GS-60 Cast Steel

Casting grades: GS 60 www.castin

Metal Type: Carbon Steels www.

Casting Process: Sand Casting or Lost Wax Precision

Investment Casting

Standard: DIN 1681, was replaced by EN 10293-2015;

Werkstoff nummer: 1.0558 tingquality.com

Alternating Steel Grade: EN10293 GE300

www.castingquality.c

GS-60 Heat treatment: Normalized or Anneal at 880-960 °C; Temper at 620-680 °C

The right description is CAST STEEL DIN 1681 GS-60 or CAST STEEL DIN 1681-1.0558

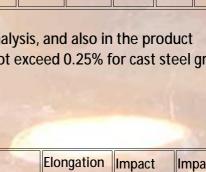
Steel Grade	Material Number	Carbon %	Manganese %	Silicon %	P %	S %	Cr %	Mo %	Ni %	V %	Cu %
GS-60	1.0558	-	-	-	-	-	-	-	-	-	-

The proportion of carbon by mass determined in the cast analysis, and also in the product analysis, at the points intended for fabrication welds shall not exceed 0.25% for cast steel grade GS-38 and GS-45.

GS-60 Mechanical Property: www.castingquality.com

							No.	Elongation	Impact	Impact
			Reduction	Tensile				after	Strength	Strength
Steel	Material	Heat	of area	Strength	Upper			fracture		
Grade	Number	Treatment Treatment	after		Yield	Rp0.2,	Mpa	(L0=5 d0)	KV J	KV J
(50.00)			fracture %	Rm Mpa			99)	1		
								% A	≤30MM	>30MM
GS-60	1.0558		15%	600	300			15	27	20

- 1. The testing ambient room temperature. www.castingquality.com
- 2. 1MPa=1 N/mm2 www.castingguality.com
- 3. "+N" means: Normalizing; +QT or +QT1 or +QT2 means: Quenching(air or liquid) and Tempering.
- 4. The Yield strength values at room temperature to 0.2% proof strength.



Material Data Sheet

Qingdao Casting Quality Industrial Co., Ltd

- 5. The value for Reduction are not relevant for acceptance.
- 6. Inspact determined from three individual values in each case.

GS-60 Magnetic Properties WWW

	Steel Material		Minimum magnetic 5.0kA/m	magnetic
GS-60	1.0558	1.30	1.50	1.65

1. Magnetic properties by agreement at the inquiry and order only.

www.castingquality.

EN 10293:2015, Steel Castings for general engineering uses is the newest revision for generally casting material.

Previous Editions:

DIN 1681: 1924-04, 1929-07, 1942xx-03, 1967-06, 1985-06

• DIN 17182: 1985-06, 1992-05

DIN 17205: 1992-04
DIN EN 10293:2005

DIN EN 10293 Corrigendum 1: 2008-09

BS3100: 1991

As a professional casting manufacture, Qingdao Casting Quality Industrial pay much attention to the quality and technology, Our products are much more casting and forging parts. We are mainly do Sand Casting, Investment Casting (Lost Wax Casting or Precision Casting) and Die Casting .Today, its products are marketed globally through many countries.

Our Services

Casting Quality focus on Metal Parts industry, we provide professional service in Metal Casting field.

- 1. Sand Casting
- 2. Investment Casting
- 3. Shell Casting
- 4. CNC Machining
- 5. CAD Design
- 6. Tools/Mold Design



Material Data Sheet

Qingdao Casting Quality Industrial Co., Ltd

Many buyers from all over the world purchase products from China. But do you know the quality of products in China? Maybe you only pay the surface and price, but the inner quality is lost. Housing Casting Design in Solidworks

What makes Casting Quality the best?

Innovation

Our engineers are more than just designers....they're pioneers. Our team use CAD/CAM to do the simulation of casting parts. Through the advanced technology, we can know the weight and structure We also visited so many factories to know their difference and improve our products every year.

Quality

We're obsessed with quality. Casting Quality constantly strives to exceed our customers' expectations in durability and performance. In fact, we will control the whole process from the original material to the finished parts, include the technology. Uniquely-designed Quality Control System focuses on ensuring four product goals: 1) Eligible Chemistry, 2) Hardness 3) Property and 4) Affordable Pricing. The result is the best casting products value in the industry.

Service

We're in Qingdao, China, It has convenient transportation of road and sea. Courteous service is part of who we are, and we do it better than anyone in the industry. With Casting Quality you can expect friendly, knowledgeable, and prompt customer service.

Fulfillment

Shipping orders complete and on-time is of paramount importance to our customers. We will count the delivery date and result before accept your order. Casting Quality consistently ranks as one of the best in speed of delivery and fill rates.

SERVICE IN QINGDAO CASTING QUALITY INDUSTIRAL

- I SAND CASTING
- I INVESTMENT CASTING
- I SHELL CASTING
- I PERMANENT MOLD CASTING
- I CNC MACHINING
- I CAD/CAM DESIGN