Precision Casting Catalogue



About the factory

Xiamen Hadron Import and Export Co., Ltd is located in Xiamen China, a beautiful port city, beside the Taiwan island with the Taiwan straits and its transportation is very convenient. As a participant of the Global Supply Chain, we provide precision castings for our customers.

Our cooperation factory is located in the Western Taiwan Straits Economic Zone- - - Quanzhou, has very convenient sea, land and air transportation. At present, the company has a building area of 25000.0 square meters, with the staff hundreds of people.

We use the advanced technology process - silicon sol investment casting, precision machining, handcraft polishing and other surface treatment. Our products are in stainless steel, duplex stainless steel, carbon steel, heat resistant steel, high and low alloy steel, which are mainly used in automobile fittings, fluid chemical industry, food medical machines, ship equipment, building parts, valve pipeline and fire control equipment, sports equipment, instrument, aviation and others. The company has the ability to have the monthly output of 100-150 tons of production capacity, with 90% of products are sold to the European Union, the United States, Japan and other countries and areas.

The company has strong technical team, advanced production equipment, advanced technology level, complete quality management system, and has passed ISO9001, TUV and TS16949 certifications. All the staff of the company always

adhere to the "quality first, reputation into industry" the quality policy and "continuous improvement" point of view to service to every user of both at home and abroad.

We sincerely welcome all customers to visit cooperation for the business negotiations.



Environment













Certificate



Comply with ISO / TS 16949 - third edition



ISO/TS 16949-Third edition

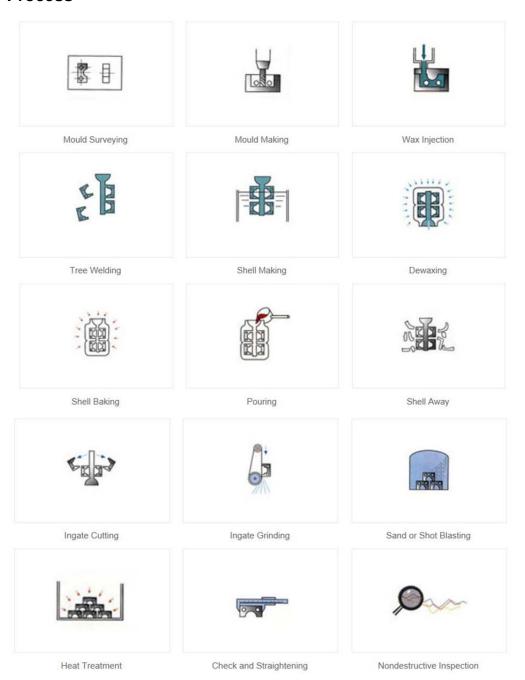


Quality-Assurance System



Special equipment manufacturing license

Process









Precision Machining

Last Inspection

Packing and Shipment

Test equipment



Tensile Testing Machine



Impact Test Gap Machine



CMM



Mechanical Properties Testing



Microscope Detection



Endoscope Testing



Hardness Testing



Pressure Leaking Testing



Spectroanalysis Instrument



Fracture Magnetic Particle Tes..

PRODUCT

- Impeller Pump Part
- Coupler and Pipe Fitting
- Valve Fitting
- Mechanical Part
- Automobile Part
- Marine Part
- Construction Part

Impeller Pump Part



Impeller Pump Part



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Impeller Pump Part

Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



Coupler and Pipe Fitting



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Coupler and Pipe Fitting



Coupler and Pipe Fitting

Valve Fitting







Valve Fitting





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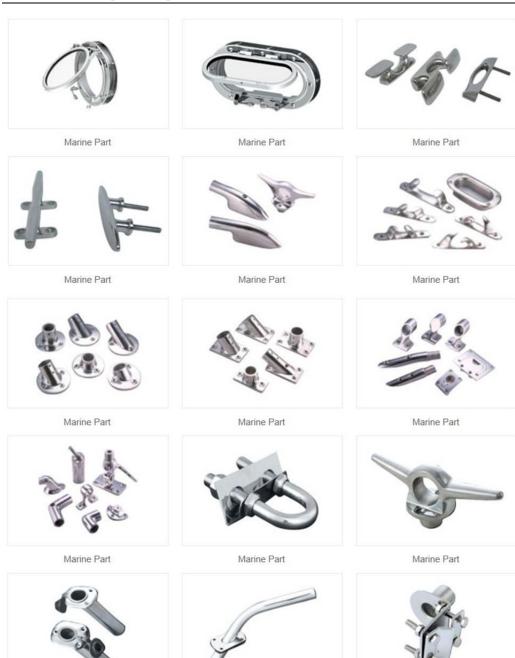


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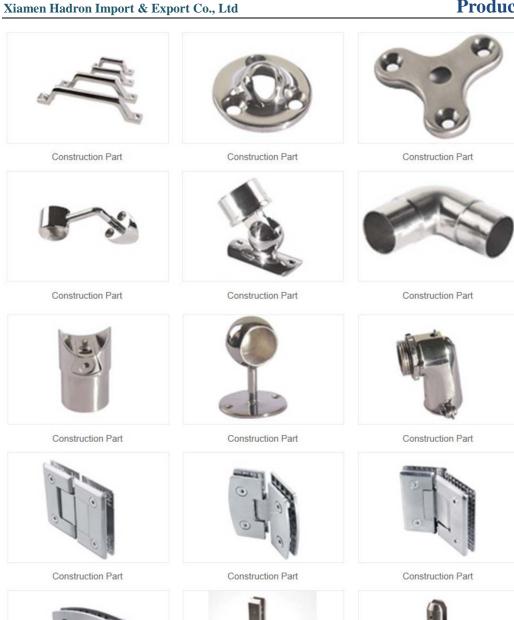
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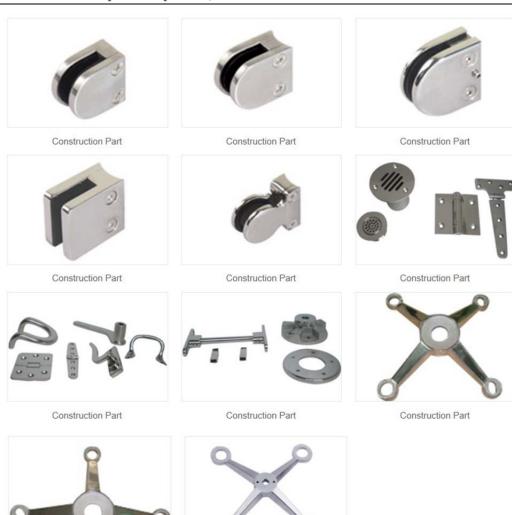
Construction Part





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Construction Part

Technology parameters

1. 线 性 公 差 (m m)

Linear Tolerance

尺寸范围 Dimmensions	一般公差 Normal	特别公差 Premium
0 - 1 0	± 0.12	± 0.10
10-15	± 0.20	± 0.13
15-20	± 0.25	± 0.15
2 0 - 3 0	± 0.30	± 0.20
3 0 - 5 0	± 0.40	± 0.25
5 0 - 7 5	± 0.50	± 0.35
75-100	± 0.65	± 0.45
100-125	± 0.80	± 0.6
125-150	± 1.0	± 0.7
150-175	± 1.2	± 0.8
175-200	± 1.5	± 0.9
200-250	± 1.8	± 1.1
> 2 5 0	± 0.8%	± 0.5%

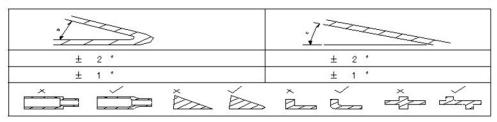
2. 可铸出孔槽的极限尺寸

Limit Dimension for Cast Holes and Slots

项 目 Items	孔 径 范 围 Hode Dia.	孔 深 / 孔 径 L / D					
	∞2 - ∞3	L / D ≤ 2					
= 1=1	Ø4 - Ø7	L / D ≤ 5					
	> ∅8	L / D ≤ 10					
	Ø2 - Ø3	L / D € 1					
	Ø4 - Ø7	L / D ≤ 2.					
-	≥ <28	L / D 🚄 3.					
利用水溶型 芯和陶瓷型芯,我 Deeper and more complicat							

3.角度公差 Angle Tolerance





4. 平面度,直线度,圆度公差 Tolerance for Flatness, Straightness and Roundness

铸件尺寸(mm) Dimension	一般公差 Normal	特殊公差 Premium
0 - 2 5	0 . 2	0 . 1
25-50	0 . 4	0 . 2
50-100	0.6	0.3
100-150	0.8	0.4

5.大小和重量范围 Size and Weight Range

项 目 Items	范 围 Size	最 优 Premium				
始席尺寸 (mm) Outline Dimension	1 0 0 0 × 6 2 0 × 3 8 0	<1 0 0				
重量 (Kg) Weight	0.001-80	0 . 1 - 1 . 5				
蛇 郎 尺 寸 (mm) Outline Dimension	0 , 5	5 - 1 0				

6. 表面粗糙度 (Ra/um) Surface Roughness

铸 造 状 态 Rough Castings	重量(Reight) ≫5 Kg, 主要 整厚 ≫1 2 m m Kain Rall Thickness
	重量(Weight)≪5 Kg, 主要整厚≪12mm Xain Wall Thickness
精 整 状 态 Finished Castings	0 . 8 - 1 . 6

我公司有能力对排件表面作如下精整处理,对于碳钢和低合金刚,可以作发黑,镀锌、镀锌、,镀镍处理;对于不锈钢,可作研磨,手工拉丝抛光及镀面抛光,电抛光,转化处理;所有钢种可作喷砂(玻璃砂,刚玉砂,石英砂)处理。
The surface finish for the casting we can provide with are as the following: Blacking, zinc plating, chrome plating and nickel plating for the carbon steel and the low alloy steel carbon steel and the low alloy steel castings: Tumbling, hand dull polishing, mirror polishing, electrolytic polishing and passivation treatment for the stainless steel castings and sandblasting, including glass bead blasting, corundum-sand blasting and quartz-sand blasting for all the steel castings. 钢和低于不锈化

Chemical Alloy List

		Chanda	A Court Co																
Alloy Type	DIN(W-Nr.)	AISI	ASTM ACI	BS3100	лѕ	с	Si	Mn	P	s	Cr	Ni	Мо	Others	бь Мра	ős Mpa	8%	HardnessH BS	Heat Treatment
- 10	1 4 11 4 6 5 14	1030	43.5.005	BS3146	SC410	15.05					0					205			
	1.0416 GS-38 1.0446 GS-45	1020	415-205 WCB	CLAIA	SC410 SC450	.1525	.26	.4-1.0	0.04	0.04			_		415	205			Anneal
Carbon Steel & Low Alloy	1.0440 GS-45	1025	WCB	CLAIB	SC450	.23	.26	.4-1.0	0.04	0.04	-		_	_	485	250	22		Anneal
	GS-34CrMo4	4135			SCM435	.337	.35	.58	0.035	0.035	.8-1.2		.23		880-1080	665	12	269-332	hardening- mp
	GS-42CrMo4	4140		CLA3	SCM440	.3843	.1535	.75-1.0	0.035	0.035	.8-1.1		.23		980-1180	765	12	285-352	hardening+ mp
		8620		805A20	SNCM22 0	.1823	.1535	.79	0.035	0.04	.46	.47	.1525		830		17	248-341	hardening+
	100MnCrW4		1	BOI	SKS3	9-1.0	1	.9-1.2	0.04	0.04	.5-1.0			W0.5-1				HRB<96	Anneal
Tool Steel	4Cr5MoSiV1		H13	BH13	SKD61	.3242	.8-1.2	0.75	0.04	0.04	4.5-5.5		1.0-1.5	V.8-1.2				HRB>63	
Sites	W6Mo5Cr4V		M2	BM2	SKH9	.89	<1.0	0.75	0.04	0.04	3.8-4.5	W5.5-6.7	4.5-5.5	V1.6-2.2				HRC>62	hardening+ mp
High	G-X120Mn13		B-3	BW-10		1.1-1.3	1	41257	0.7	0.4					637			<229	hardening+ mp
Mangan ese Steel			B-1		SCMnH2	0.9-1.2	0.8	41227	0.7	0.4					735			<229	hardening+
Stainless Steel	1.4305	303		303521	SUS303	0.15	1	2	0.2	>.15	17-19	41131	-0.6						шр
	1.4308	304	CF-8	ANC3A	SCS13	0.08	2	1.5	0.04		18-21	41132	-0.5		440	185	30	183	Solution annealing
	1.4306	304L	CF-8	304C12	SCS19A	0.03	2	>1.5	0.04		17-21	41133	-0.5		48	205	33	183	Solution annealing
	1.4408	316	CF-8M	ANC4B	SCS14A	0.08	1.5	1.5	0.04		18-21	41164	40942		485	205	30	183	Solution
	1.4404	316L	CF-3M	316C12	SCS16A	0.03	1.5	1.5	0.04		17-21	41165	40942		485	205	30	183	Solution
Steel	G-X10Cr13	410	CA-15	410C21	SCS1	0.15	1.5	1	0.04		11.5-14	-1	-0.5		620	450	18	183	annealing hardening+
	1.4507	431		ANC2	SUS431	0.2	0.2-1	0.2-1	0.35		15.5-20	1.5-3	1799		850-1000		8	248-302	mp hardening+
	1.4581	318	CF8C	ABC4C	SCS21	0.08	2	1.5	0.04		18-21	41164	164 Nb 8xC-1.55		485	205	28	183	Solution
		41016	CB7Cu-		SCS24	0.07	1	1	0.04		15.5-	3.5-5		Cu2.5-4 Nb.15-,45	980	885	9	311	Precepitation 1025
	GX40CrNiSi						. 1				17.0			110.1040					Not heat
	2512		HH		SCH13	0.2-0.5	2	2	0.4	0.4	24-28	41227	-0.5		515	240	10	,	treated
Heat-			HU	309C35		.3575	2	2.5	0.4	0.4	17-21	37-41	-0.5		450		4		Not heat treated
Resisting Steel	G- X15CrNiSi25		HK30	331C40	SCH21	0.2-0.6	2	2	0.4	0.4	24-28	18-22	-0.5		450	240	10		Not heat treated
	G- X40CrNiSi25		HK40	310C	SCH22	.3545	1.75	1.5	0.4	0.4	19-22	23-27	-0.5	N<0.2	235	440	8		Not heat treated
	G- X40CrNiSi35		HP		SCH24	.3575	2.5	2.5	0.4	0.4	24-28	33-37	-0.5		430	235	4.5		Not heat treated
Alloy Type	Standard ASTM	С	Si	Mn	s	P	Cr	Ni	Mo	w	Co	Fe	Others	бь Мра	ős Mpa	8 %	Hardnes s HRC	Heat T	Treatment
	MORE2	0.15	0.5	0.5	0.3	0.03	34.5	47	0.5	15		<3.1						Not heat treated	
Nickel Based	Hastelloy X	0.2	1	10	0.4	0.03	20.5-23	Balance	41131	0.2- 1.0	0.5-2.5	17-20		434-483	283-310	41197	85-96 HRB	Not heat treated	
Alloy	NW-22	0.05-0.15	0.25- 0.75	0.3-1.0	0.03	0.015	20-24	Balance	40911	13-15	<5	<3	A10.2- 0.5					Not he	at treated
	UMCo50	0.08	0.75	0.65			28	Co 50				20.5					55-60	Not heat treated	
Cobalt Based	Cobalt J	2.2-2.7	1	1	0.03	0.03	31-34	2.5		16-19	Balanc e	3	0.25B					Not heat treated	
Alloy	Cobalt 21	0.2-0.3	1	1	0.04	0.04	25-29	1.75	41035		Balanc	3	0.007B	655-895	448-655	41141	24-32	Not he	at treated

The above lists give details of the main alloys cast, and whilst many other material are also regularly cast, it is not include them all in this brochure. However, we will pleased to discuss any other material with you. As the list is noly intended as a guide, for full information, the relevant standard specifications should be referred to. The comparable specifications have been compiled on the basis of chemical analysis and it is important for other relevant factors to be tanken into account.