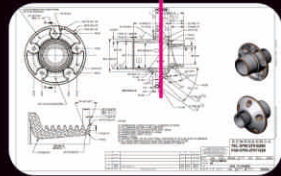




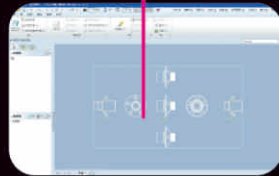
LIGO INDUSTRIAL LIMITED

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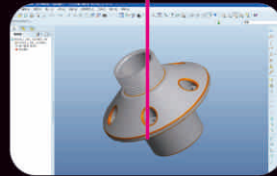
Order Process	01-02
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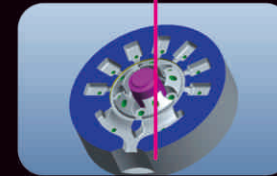
1. Drawing from customer



2. Evaluating the drawing



3. Drawing confirmation
From the customer



4. Mold design



5. Producing the mold



6. Trying the mold



7. Improving the part after
trying mold



8. Sample confirmation
from the customer



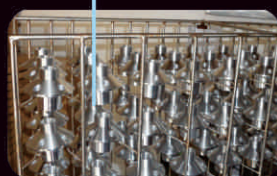
9. Checking dimensions
of as casting



10. Drilling on the
as casting



11. CNC machine the
as casting



12. Adding the surface
treatment



13. Finished Products



14. Inspection and Package



15. Logistics



16. Assembling

Order Process

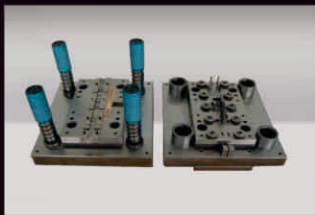
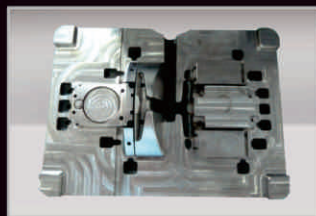
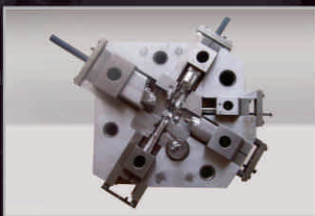
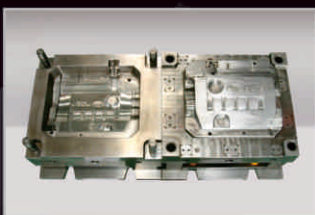
Customer' s design or samples are welcome. Our engineers make sure that the design becomes manufacture-friendly and keep contact to the customer and the producer until the drawing meets the satisfaction of every party involved. After this the suitable mould can be made and a trial sample will be produced. If the customer is satisfied by the sample the mass production can be started. The whole process runs under the strict supervision of LIGO which QC-inspection system ensures the quality according to your needs. Additional LIGO arranges packing, loading and shipment of your products. As a matter of course we always stand by to listen your opinions continuously and provide after production services.

LIGO is a one-stop company for every spare part!



Die casting Mold

Our company can produce all kinds of die-casting mold, and its precision can reach to 0.06mm, and more precision can be reached by machining.

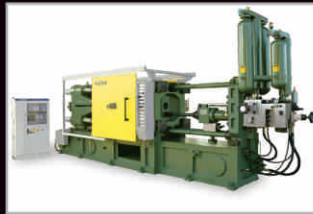


Die-casting Machine

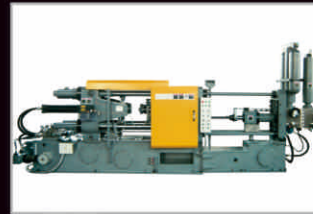
Our company has Lijing, Jiexun, UBE, Toyo, Kaijing, Yuyuan, Zhenli famous brand of die-casting machine and full-automatic working machine, include 88T-1500T Aluminum alloys die-casting machines, 5T-400T Zinc alloys die-casting machine.



145T Die-casting machine



350T Die-casting machine



800T Die casting machine



900T Die-casting machine

Die casting parts

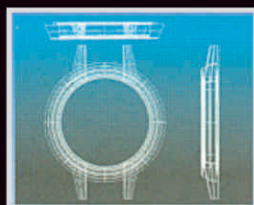
Our company exports die-casting parts for many years and can provide aluminum and its alloys and zinc and its alloys die-castings, and tiny die-castings, have the ability to produce large, middle, small metal parts.



Investment Casting Parts

Company has many years of experience in casting carbon steel and stainless steel parts, has ability to analyze the material and accurately inspect the dimensions independently. Factory has special departments for wax pattern, wax parts combination, mold shell, drying, casting, CNC, sand spraying, polishing, etc. We are making fitness equipment parts, but also produce customized casting parts for different industry.

Technique



1 Technology Design



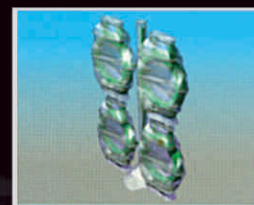
2 Mould Making



3 Wax Injection



4 Wax Mould Assembly



5 Dipping



6 Stuccoing



7 Wax Removing



8 Sand Shell Preheating



9 Casting



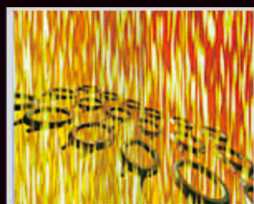
10 Sand Shell Removing



11 Cutting



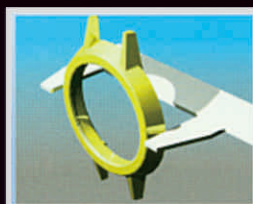
12 Grinding



13 Heat Treatment



14 CNC machining

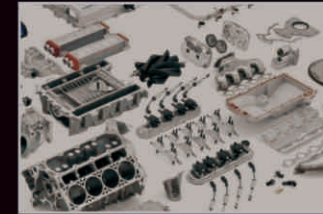


15 Quality Inspection



16 Package & Shipping

Hardware Casting Parts



Equipment



Wax attemperator



Low-temperature wax pattern making machine



wax pattern making machine



wax pattern making machine



Two-cylinders column wax injection machine



Wax paste mixer



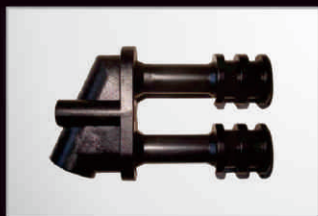
Roasting furnace



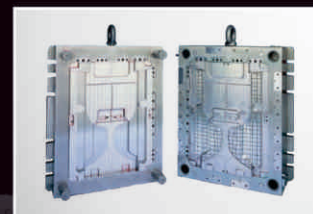
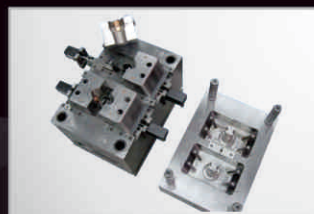
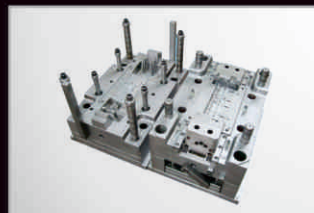
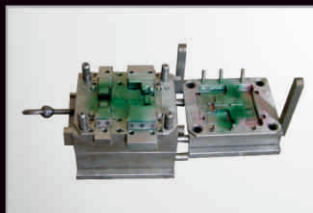
Shucking machine

Plastic parts

Ligo Company can produce large, middle, small and tiny plastic, e.g
Large plastic parts on body-building equipment and tiny plastic parts on mobile phone.



Plastic mold



Plastic machine



70T Injection machine



80T Injection machine



160T Injection machine



180T Injection machine



220T Injection machine



350T Injection machine



500T Injection machine



1000T Injection machine

Tube Equipment



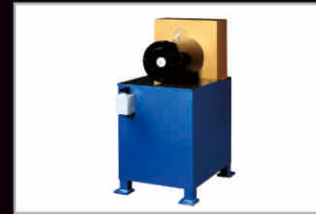
Tube bender



Tube bender



Tube bender



Hose crimping machine



Tube bender

Tube Parts



STAMPING

Stamping Equipment



Stamping machine



Oil hydraulic stretching machine



Oil hydraulic machine



Tube bender



Tube bender

Stamp Parts



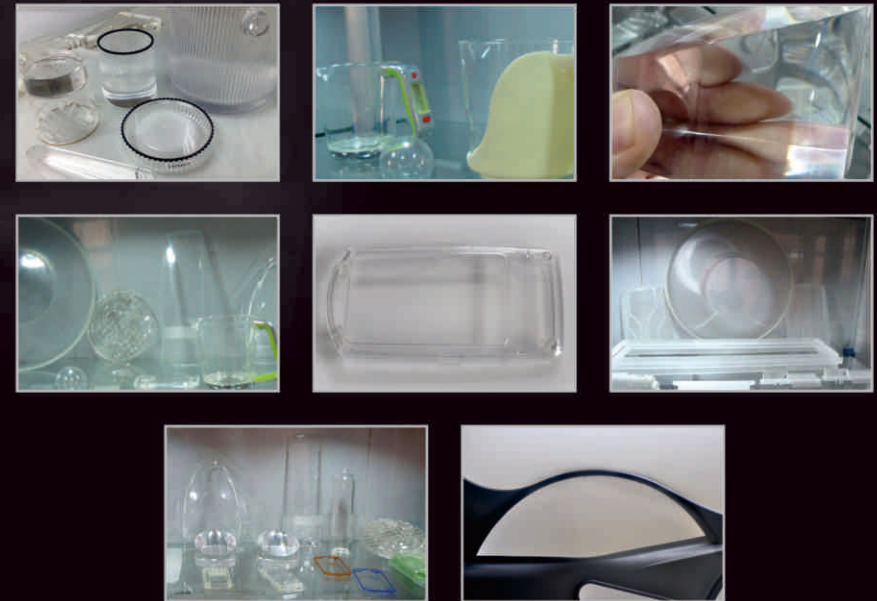
Prototypes

Our plastic & hardware prototypes regarded as top quality with low cost. We have independent programming ability, workshop have CNC machine, EDM, wire-cutting, grinding & polishing etc. Prototypes range covered all industry area.

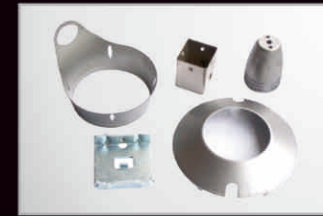
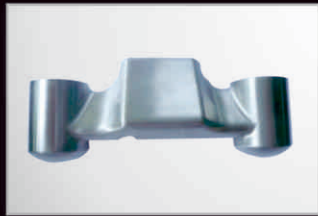
Plastic prototype



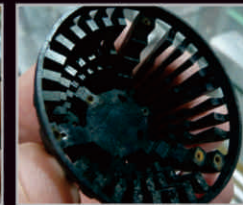
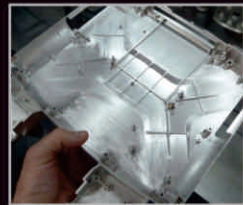
Transparent prototype



Stainless steel prototype



Aluminum alloy



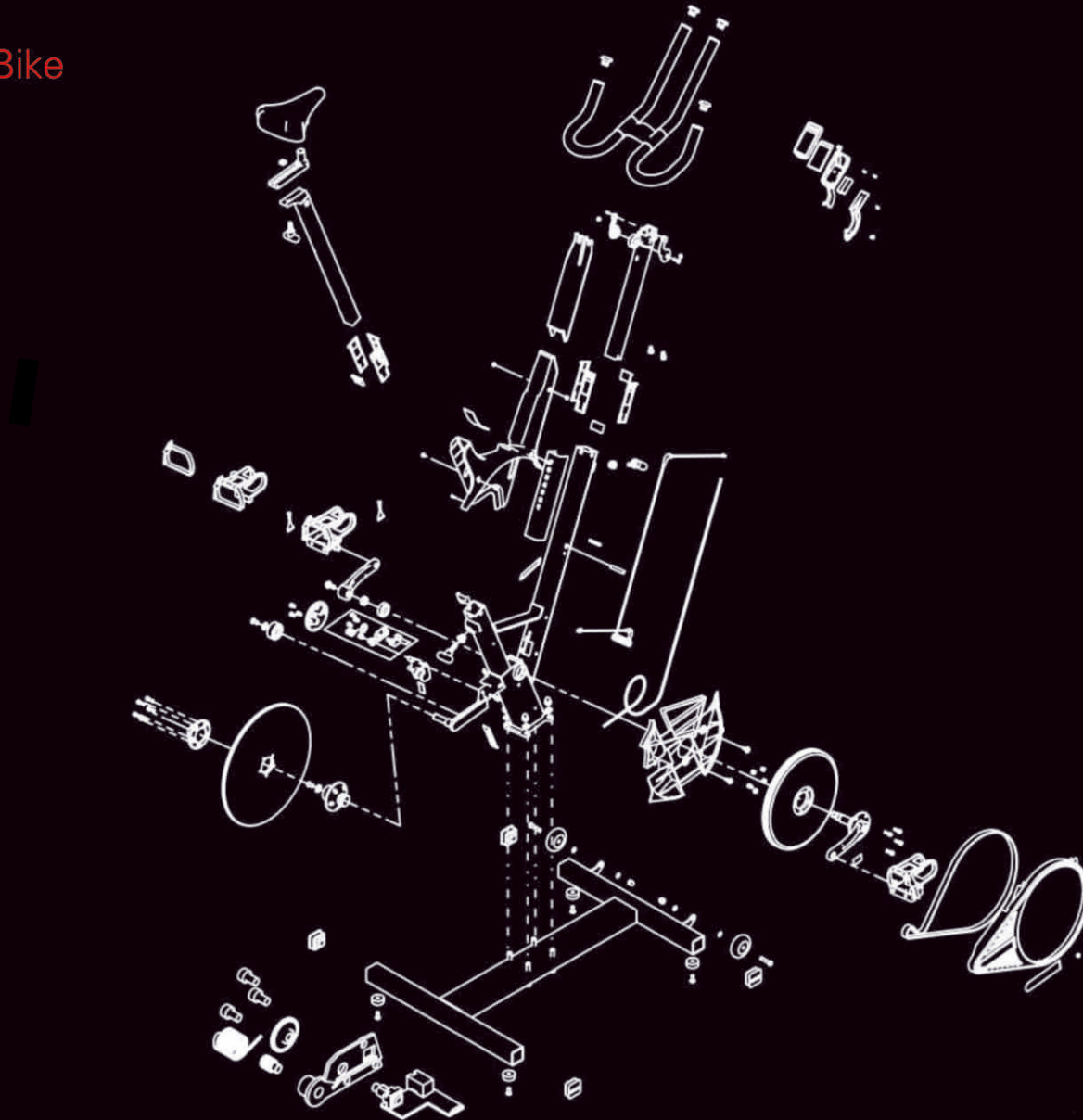
Ligo

Auto parts



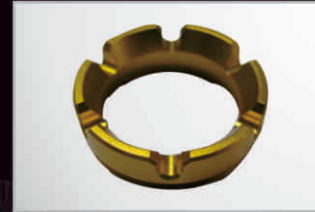
LIGO makes all kinds of customer designed Auto parts. The Auto parts are made by using precision Die-casting, Casting, CNC, Stamping, Plastic Injection etc, different production methods. We also provide precision moulds.

Spare Parts for GYM Bike



The material for gym equipment parts includes Aluminum alloy, Zinc alloy, S.Steel, Carbon Steel, ABS, POM, PU etc. LIGO has the ability to make the equipment parts by using all these different production methods.

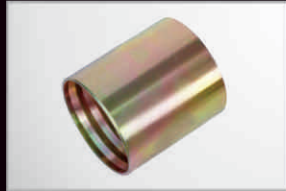
CNC Lathe



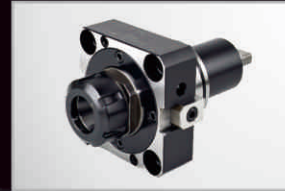
Cutting Machine



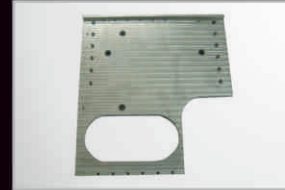
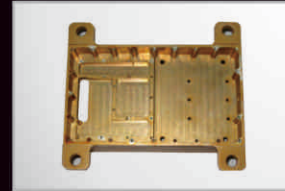
Grinding Machine



Milling Machine



Drilling Machine



SURFACE TREATMENT

Metal plating

Metal plating is a process of plating sediment by electrolysis to change the characteristic of the part and improve the corrosion resistance, abrasion resistance and other function of the appearance and medium.



Plastic plating

Plastic plating is by metal treatment to nonmetal surface, and then by a process of plating sediment by electrolysis to change the characteristic of the part and improve the corrosion resistance, abrasion resistance and other functions of the appearance and medium.



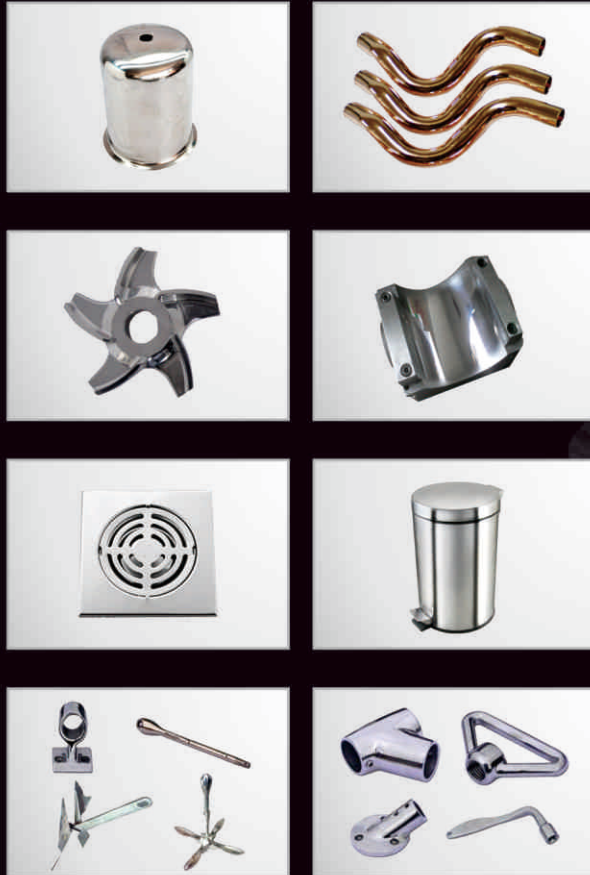
Spraying with PU oil

Baking lacquer, Plastic lacquer, High temperature, Rubber paint, UV paint



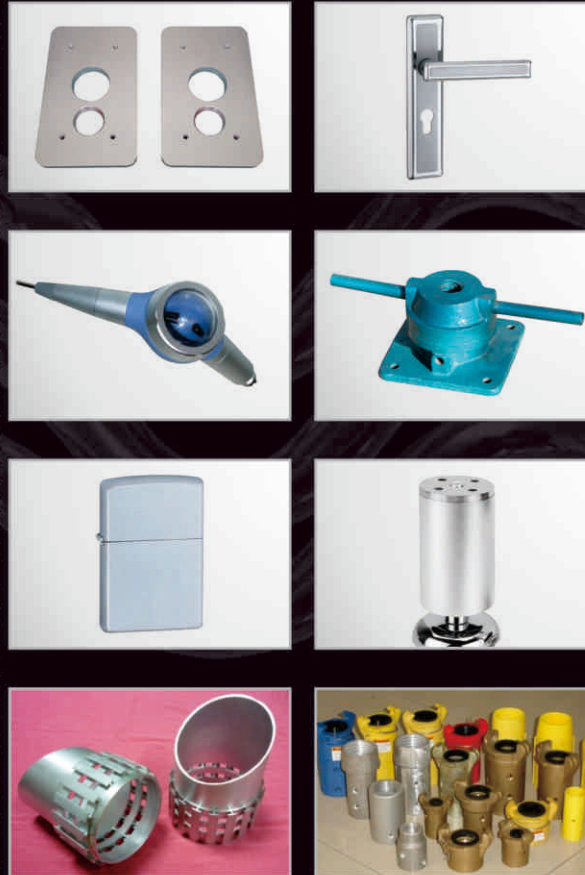
Electrolytic polishing

It is an electrochemical process that removes material from a metallic part. It is used to polish, passivate, and deburr metal parts.



Sand polishing

Sand polishing is the optimum method for surface pretreatment to enhance the bonding strength between coating and matrix.



Draw-bench and silk screen

Surface draw bench process and silk screen parts



Ligo products has complied ISO 9001:2000 in 2008,
Ligo QA includes the following steps:



- Making sure the design is “manufacturing–friendly” and will not cause defects
- Auditing and approving factories based on a relevant checklist
- Getting the manufacturer’ s approval of the quality control plan
- Writing down detailed product specifications, and getting the manufacturer’ s approval
- Identifying failure points with production engineers, and removing them (back to design)
- Following pre–production sampling closely, and if possible launching a pilot run
- Ensuring that lessons from sampling will be taken into account for production
- Performing QC at one or several points of mass production
- Following up with corrective/preventive action plans, when applicable
- Re–engineering production processes (to reduce opportunities for errors)
- Revising product specifications for the next production batch



Ligo is dedicated to implement the quality management (TQC) which involves all employees and the whole production process. All employees are required as well as entitled to secure the quality according to our slogan: "Disqualified products will never be accepted, produced or distributed by us"



Item	Commodity Name	Code	Fluidity	Yield Strength	Tensile Strength	Shrinkage Rate	Water Absorption	CTE	Precision	Material Cost
1	Acrylonitrile-butadiene-styrene	ABS	common		35 ~ 62	0.3 ~ 0.8	0.2 ~ 0.45	8	3	9800
2	Amino Resin	AF							3	
3	Chlorinated polyether	CP			49	0.5	0.01		4	
4	Epoxide Resin	EP							3	
5	Polytrifluorochloroethylene	F3	bad		37		<0.01	5.8		
6	Polytetrafluoroethene	F4	bad		27.6		<0.01	10.5		
7	Polytetrafluoroethene strengthened	F4+20%GF			17.5		<0.01	7.1	3	
8	Fluoroethylenepropylene	F46	bad		32		<0.01	5.8		
9	High Density Polyethylene	HDPE	good		27	2 ~ 5.0	<0.01	12.5	5	7150
10	High-impact polystyrene	HIPS			20	0.2 ~ 0.6	0.2	3.4 ~ 21		7800
11	Rigid polyvinyl chlorid	HPVC	bad		45.7	0.6 ~ 1.0	0.07 ~ 0.4	5	4	
12	Liquid crystal polymer	LCP				0.006				
13	Low density polyethylene	LDPE	good		7 ~ 15	1.5 ~ 5.0	<0.01	22	6	7200
14	Modified polyphenylene oxide	MPPO								
15	Polyamide 6	PA6	good		74	0.6 ~ 1.4	3	8.3	4	15000
16	Polyamide 6 strengthened	PA6+30%GF		22 ~ 30	110	0.3 ~ 0.7	1.1	2.2	3	
17	Polyamide 66	PA66	good		80	0.8 ~ 1.5	3.4 ~ 3.6	7	4	16000
18	Polyamide 66 strengthened	PA66+30%GF			189	0.2 ~ 0.8	0.5 ~ 1.3		3	
19	Polyarylsulfone	PASF			91	0.8	1.8	3.6		
20	Polybutylene terephthalate	PBT			55	0.44	0.09	9.2		16000
21	Polybutylene terephthalate strengthened	PBT+30%GF			137	0.2	0.07	2.7	3	
22	Polycarbonate	PC			61	0.5	0.15	7.2	3	19000
23	Polycarbonate strengthened	PC+30%GF	bad		132	0.2	0.1	2.7	3	
25	Polyaryletherketone	PEEK			103			10		
26	Poly(etherketone)	PEK						8.4		
27	Poly(ether-ketone-ketone)	PEKK			102					
28	Polyethersulfone	PES			85	0.6	0.25	5.5		
29	Polyethylene terephthalate	PET			78	1.8	0.26	10		
30	Polyester	PET+30%GF			124	0.2 ~ 0.9	0.05	2.9	3	
31	Phenolic plastics	PF							3	
32	Polyimide	PI			100	0.75	0.3	3		
33	Acrylic	PMMA	common		55 ~ 77	0.2 ~ 0.8	0.34	7	3	
34	Polyoxymethylene	POM-K	common		62	1.5 ~ 3.5	0.21	8.5		14000
35	Polyoxymethylene strengthened	POM-K POM+25%GF			130			2.6	3	
36	Acetal homopolymer	POM-H	common		70	1.5 ~ 3	0.25	7.5	5	
37	Polypropylene	PP	good		29	1 ~ 2.5	0.01	8	5	7300
38	Polypropylene strengthened	PP+30%GF				0.4 ~ 0.8	0.05	4		
39	Polyphenylene oxide-usually modified	PPO	bad		76	0.7	0.03	4	3	32000
40	Polyphenylene sulfide strengthened	PPS+40%GF			137	<0.12	<0.05	3	3	87000
41	Polystyrene	PS	good		50	0.4 ~ 0.7	0.05	8	3	7500
42	Polysulfone	PSF	bad		75	0.6	0.22	5.7	3	
43	Polyurethane	PU								
44	Flexible polyvinyl chloride	SPVC			10.5 ~ 20.5	1.5 ~ 2.5	0.25	1	6	6500
45	Ultra-high molecular weight polyethylene	UHMWPE			30 ~ 50	2 ~ 3	<0.01	12.5		
	Cellulose acetate		good							

Characteristics and application of common engineering plastics

Relative Density	Bending Strength	Compressive Strength	Breaking Elongation	Impact Strength	Notched Impact Strength	Rockwell Hardness	Heat Deflection Temperature	Friction Coefficient	Transmittance	Oxygen Index
1.05	69	69	3~60		7	R65~115	86			18
1.4	65	69	60~130		1.6~2.2		99			
								0.38		
2.13	70	14	125		17	R115	198		90%	>95
2.18	21	13	233		2.7		288	0.3	80%	>95
2.26	21	17	207		1.8			0.13	96%	—
2.11	55	12	190		37	R110	198	0.3		>95
0.95	11	10	>500		40~70	R70	78			20
1.05			3.5							
1.5	100	20.5			2.2~10.6	D75~D85				
							315			
0.92	34	28	>650		80~90	R45	50			20
1.14	120		70	33	8.3	M114	58			
1.37	210		3	76			190	0.6		
1.145	130		60	39	9.5	M118	60			
1.38	262		3	102			248	0.5		
1.37	121	126	13	243	8.7	M110	274			
1.31	85		200~300		4.3	M72	66			
1.53	196		4		7.8	R121	220			
1.2	82	78	90		20	M80	133			
1.45	170	125	<5		8	M90	146	0.37	93%	
1.3			11		1387		145			35
							185			
1.3			4							40
1.14	89	110	80	296	12.1	M98	210			
1.38	115		50		4		70		88%	
1.6	196		3		80	R120	215		90%	
1.38	205	166		53	4		360		85%	
1.19	110	130	2.5~6		21	M118	100	0.36		17.3
1.41	98	110			65	M80	110		93%	
1.61	182				86		163	0.31		
1.43	90	127			76	M94	124			
0.9	50	45	>200		0.5	R80~110	102			18
								0.51		
1.06	114		60	127.4		R119	173			
1.6	204		1.3		76	R132	260		0.39	44
1.05	105	115	2		16	M65~90	85			20
1.24	128	98	50~100	310	14.2	M169	185		90%	
1.4		8.8								
0.94	11	10	>500		>100	R38	95		86%	20
								0.19		

Domestic and foreign common steel cross-reference tables

Steel Specification	China GB	Russia GOST	U.S.A ASTM	U.K. BS	Japan JIS	France NF	Germany DIN
Quality carbon structural steels	08F	08K II	1006	040A04	S09CK	XC10	C10
	08	08	1008	045M10	S9CK	XC10	C10
	10F		1010	040A10		XC12	
	10	10	1010,1012	045M10	S10C	XC18	C10,CK10
	15	15	1015	095M15	S15C		C15,CK15
	20	20	1020	050A20	S20C	XC32	C22,CK22
	25	25	1025		S25C	XC38TS	CK25
	30	30	1030	060A30	S30C	XC38H1	
	35	35	1035	060A35	S35C	XC45	C35,CK35
	40	40	1040	080A40	S40C	XC48TS	
	45	45	1045	080M46	S45C	XC55	C45,CK45
	50	50	1050	060A52	S50C	XC55	CK53
	55	55	1055	070M55	S55C	XC12	
	60	60	1060	080A62	S58C	XC18	C60,CK60
	15Mn	15Г	1016,1115	080A17	SB46	XC32	14Mn4
	20Mn	20Г	1021,1022	080A20		40M5	
	30Mn	30Г	1030,1033	080A32	S30C		
	40Mn	40Г	1036,1040	080A40	S40C	Xc48	40Mn4
	45Mn	45Г	1043,1045	080A47	S45C		
	50Mn	50Г	1050,1052	030A52	S53C		
				080M50			

Steel Specification	China GB	Russia GOST	U.S.A ASTM	U.K. BS	Japan JIS	France NF	Germany DIN
Spring steel	60	60	1060	080A62	S58C	XC55	C60
	85	85	C1085	080A86	SUP3		
			1084				
	65Mn	65Г	1566				
	55Si2Mn	55C2Г	9255	250A53	SUP6	55S6	55Si7
	60Si2MnA	60C2ГA	9260	250A61	SUP7	61S7	65Si7
			9260H				
	50CrVA	50XΦA	6150	735A50	SUP10	50CV4	50CrV4
Ball bearing steel	GCr9	ШX9	E51100		SUJ1	100C5	105Cr4
			51100				
	GCr9SiMn				SUJ3		
	GCr15	ШX15	E52100	534A99	SUJ2	100C6	100Cr6
			52100				
steel	GCr15SiMn	ШX15CГ					100CrMn6
Free cutting steel	Y12	A12	C1109		SUM12		
	Y15		B1113	220M07	SUM22		10S20
	Y20	A20	C1120		SUM32	20F2	22S20
	Y30	A30	C1130		SUM42		35S20
	Y40Mn	A40Г	C1144	225M36		45MF2	40S20
Abrasion-resistant steel	ZGMn13	116Г13Ю			SCMnH11	Z120M12	X120Mn12

Steel Specification	China GB	Russia GOST	U.S.A ASTM	U.K. BS	Japan JIS	France NF	Germany DIN
Alloy structure steel	20Mn2	20Г2	1320,1321	150M19	SMn420		20Mn5
	30Mn2	30Г2	1330	150M28	SMn433H	32M5	30Mn5
	35Mn2	35Г2	1335	150M36	SMn438(H)	35M5	36Mn5
	40Mn2	40Г2	1340		SMn443	40M5	
	45Mn2	45Г2	1345		SMn443		46Mn7
	50Mn2	50Г2				~55M5	
	20MnV						20MnV6
	35SiMn	35CГ		En46			37MnSi5
	42SiMn	35CГ		En46			46MnSi4
	40B		TS14B35				
	45B		50B46H				
	40MnB		50B40				
	45MnB		50B44				
	15Cr	15X	5115	523M15	SCr415(H)	12C3	15Cr3
	20Cr	20X	5120	527A19	SCr420H	18C3	20Cr4
	30Cr	30X	5130	530A30	SCr430		28Cr4
	35Cr	35X	5132	530A36	SCr430(H)	32C4	34Cr4
	40Cr	40X	5140	520M40	SCr440	42C4	41Cr4
	45Cr	45X	5145,5147	534A99	SCr445	45C4	
Alloy structure steel	38CrSi	38XC					
	12CrMo	12XM					
	15CrMo	15XM					
			A-387Cr . B	620CR.B 1653		12CD4	13CrMo44
					STC42	12CD4	16CrMo44
					STT42		
					STB42		
	20CrMo	20XM	4119,4118	CDS12		18CD4	20CrMo44
				CDS110			
					STT42		
					STB42		
	25CrMo		4125	En20A		25CD4	25CrMo4
	30CrMo	30XM	4130	1717COS110		30CD4	
	42CrMo		4140	708A42	SCM420	42CD4	42CrMo4
				708M40			
	35CrMo	35XM	4135	708A37	SCM3	35CD4	34CrMo4
	12CrMoV	12XMΦ					13CrMoV42
	12Cr1MoV	12X1MΦ					
	25Cr2Mo1VA	25X2M1ΦA					
Alloy structure steel	20CrV	20XΦ	6120				22CrV4
	40CrV	40XΦA	6140				42CrV6
	50CrVA	50XΦA	6150	735A30	SUP10	50CV4	50CrV4
	15CrMn	15XГ, 18XГ					
	20CrMn	20XГCA	5152	527A60	SUP9		
	30CrMnSiA	30XГCA					
	40CrNi	40XH	3140H	640M40	SNC236		40NiCr6
	20CrNi3A	20XH3A	3316			20NC11	20NiCr14
	30CrNi3A	30XH3A	3325	653M31	SNC631H		28NiCr10
			3330		SNC631		
			80B20				
	20MnMoB						
	38CrMoAlA	38XMIOA		905M39	SACM645	40CAD6.12	41CrAlMo07
	40CrNiMoA	40XHMA	4340	871M40	SNMC439		40NiCrMo22

Domestic and foreign common steel cross-reference tables

Steel Specification	China GB	Russia ГОСТ	U.S.A ASTM	U.K. BS	Japan JIS	France NF	Germany DIN
Carbon tool steel	T7 T8 T8A T8Mn T10 T12 T12A T13	y7 y8 y8A y8Γ y10 y12 y12A y13	W1-7 W1-0.8C W1-1.0C W1-1.2C W1-1.2C	 D1 D1	SK7,SK6 SK6,SK5 SK5 SK3 SK2 SK1	 1104Y175 Y2 120 XC 120 Y2 140	C70W1 C80W1 C125W C125W2 C135W
Alloy tool steel	8MnSi 9SiCr Cr2 Cr06 9Cr2 W Cr12 Cr12MoV 9Mn2V 9CrWMn CrWMn 3Cr2W8V 5CrMnMo 5CrNiMo 4Cr5MoSiV 4CrW2Si 5CrW2Si	9XC X 13X 9X B1 X12 X12M 9Γ2Φ 9XBΓ XBΓ 3X2B8Φ 5XΓM 5XHM 4X5MΦC 4XB2C 5XB2C	L3 W5 L F1 D3 D2 02 01 07 H21 L6 H11 S1	BH21 BF1 BD3 BD2 BH21 BH11 BSi	SKS8 SK21 SKD11 SKS3 SKS31 SKD5 SKT5 SKT4 SKD61 SKS41	 Z200C12 Z200C12 80M80 80M8 105WC13 X30WC9V 55NCDV7 Z38CDV5 40WCDS35-12	C75W3 90CrSi5 100Cr6 140Cr3 100Cr6 120W4 X210Cr12 X165CrMoV46 90MnV8 105WCr6 X30WCrV93 40CrMnMo7 55NiCrMoV6 X38CrMoV51 35WCrV7 45WCrV7
High speed tool steel	W18Cr4V W6Mo5Cr4V2 W18Cr4VCo5 W2Mo9Cr4VCo8	P18 P6M3 P18K5Φ2	T1 N2 T4 M42	BT1 BM2 BT4 Bm42	SKH2 SKH9 SKH3	Z80WCV 18-04-01 Z85WDCV 06-05-04-02 Z80WKC 18-05-04-01 Z110DKCWV 09-08-04-02-01	S18-0-1 S6-5-2 S18-1-2-5 S2-10-1-8

Steel Specification	China GB	Russia ГОСТ	U.S.A ASTM	U.K. BS	Japan JIS	France NF	Germany DIN
Carbon tool steel	1Cr18Ni9 Y1Cr18Ni9 0Cr19Ni9 00Cr19Ni11	12X18H9 08X18H10 03X18H11	302 S30200 303 S30300 304 S30400 304L S30403 321 S32100 405 S40500 430 S43000 410 S41000 420 S42000	302S25 303S21 304S15 304S12	SUS302 SUS303 SUS304 SUS304L	Z10CN18.09 Z10CNF18.09 Z6CN18.09 Z2CN18.09	X12CrNi188 X12CrNiS188 X5CrNi189 X2CrNi189
Alloy tool steel	0Cr18Ni11Ti 0Cr13Al 1Cr17 1Cr13 2Cr13 3Cr13 7Cr17 0Cr17Ni7Al 2Cr23Ni13 2Cr25Ni21 0Cr25Ni20 0Cr17Ni12Mo2 0Cr18Ni11Nb 1Cr13Mo 1Cr17Ni2 0Cr17Ni7Al	08X18H10T 12X17 12X13 20X13 30X13 09X17H7ΓO 20X23H12 20X25H20C2 08X17H13M2T 08X18H12E 14X17H2 09X17H7ΓO	321 S32100 405 S40500 430 S43000 410 S41000 420 S42000 440A S44002 631 S17700 309 S30900 310 S31000 310S S31008 316 S31600 347 S34700 431 S43100 631 S17700	321S12 321S20 405S17 430S15 410S21 420S37 420S45	SUS321 SUS405 SUS430 SUS410 SUS420J1 SUS420J2 SUS440A SUS631 SUH309 SUH310 SUS310S SUS316 SUS347 SUS410J1 SUS431 SUS631	Z6CNT18.10 Z6CA13 Z8C17 Z12C13 Z20C13 Z8CNA17.7 Z15CN24.13 Z12CN25.20 Z6CND17.12 Z6CNNb18.10 Z15CN16-02 Z8CNA17.7	X10CrNiTi189 X7CrAl13 X8Cr17 X10Cr13 X20Cr13 X7CrNiAl177 CrNi2520 X5CrNiMo1810 X10CrNiNb189 X22CrNi17 X7CrNiAl177

Tolerance for casting dimension: tolerance for German investment casting VDGP690 D1

Basic Information	≤10	10-14	14-18	18-24	24-30	30-40	40-50	50-65	65-80	80-100	100-120
Tolerance	±0.12	±0.15	±0.20	±0.25	±0.30	±0.37	±0.44	±0.52	±0.60	±0.68	±0.76

World Aluminium Alloy die casting material cross-reference table

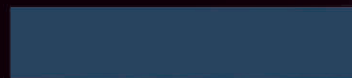
Alloy series	CNS code	JIS code (H5302)	AA/ASTM (1984)	SAE J452	ISO (DIS3522)	NFA57-703/2(1981)	BS1490	DIN1725 (1986)	Italy (UNI)
AL-Si系	1種	ADC1	A413	305	Al-Si12CuFe	A-S12Y4	LM20	GD-ALSi12(Cu)	5079
AL-Si-Mg系	3種	ADC3	A360.0	309	--	A-S9GY4	LM9	GD-ALSi10Mg	5074
AL-Mg系	5種	ADC5	518	--	--	A-G6Y4	LM5	GD-ALMg9	3058
AL-Mg系	6種	ADC6	515	--	--	A-G3T	--	--	--
AL-Si-Cu系	10種	ADC10	B380.0	306	AlSi8Cu3Fe	A-S9U3Y4	LM24	GD-ALSi9Cu3	5075
AL-Si-Cu系	10種Z	ADC10Z	A380.0	306	AlSi8Cu3Fe	--	--	GD-ALSi9Cu3	--
AL-Si-Cu系	12種	ADC12	383	383	--	--	LM2	--	--
AL-Si-Cu系	12種Z	ADC12Z	383	383	--	--	LM2	--	--
AL-Si-Cu系	14種	ADC14	B390.0	A23900	--	--	Lm30	--	--

Strength Upholstery :

NOTE:Actual colors may vary from the colors seen on your viewing screen or print.



Black/Standard



Slate Blue(Optional)



Clay Red(Optional)



Graphite(Optional)



Alloy(Optional)



American Beauty(Optional)



Alloy/Graphite(Optional)



Hazelnut/Alloy(Optional)

Product pricing is reflective of standard upholstery only. Other color options available at an additional charge.

Customized Upholstery Branding (6 week lead time) – Once all artwork completed.

Logo requirements: Adobe illustrator CS3 or earlier vector file.

Customized upholstery colors available. Contact your Ligo sales representative for pricing information.