



CENTRIFUGAL CASTING

Stainless & heat resisting steels
Copper based alloys - Aluminum alloys

ALUMINUM CASTINGS

LBI's dimensional capabilities are unique in the World:

Horizontal centrifugal casting (up to 2 t)
Vertical centrifugal casting (up to 6 t)

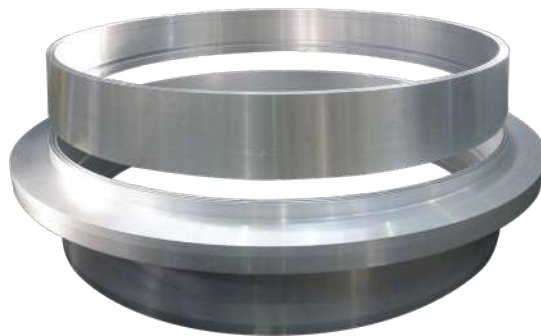
Maximum sizes:

Ø 1m/40" L: 4.5m/180"
Ø 6m/240" L: 2.9m/116"



Housing for vacuum chambers ▶

OD: 1800 mm / 71"



Sleeve ▲

OD: 800 mm / 31,5"



◀ **Electrical generator's body**

OD: 700 mm / 28"

Housing of underwater drone ▶

OD: 200 mm / 8"
Lg.: 2000 mm / 79"



▲ **Hollow shaft**

OD: 600mm / 24"
Lg: 2.100mm / 83"



◀ **MRI winding hub**

OD: 900mm / 35"

Turbomolecular / Vacuum Pumps ▶

OD: 150 mm / 6"
Lg.: 600 mm / 24"



▶ **Other products: printing rolls / engraving rolls**

Please contact us for more specific products!

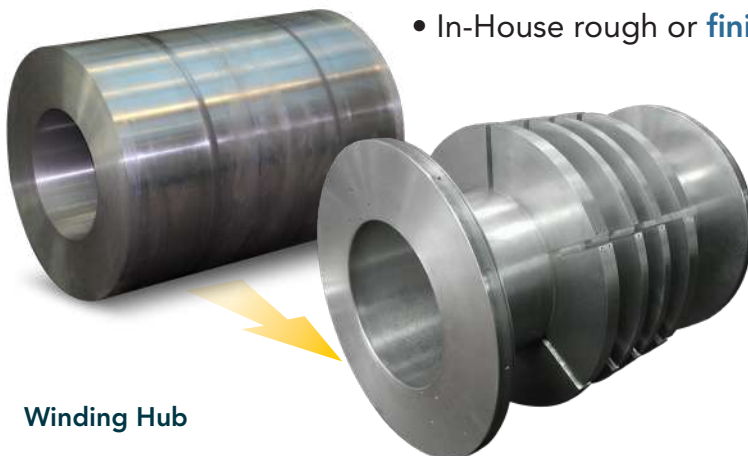
CENTRIFUGAL CASTINGS – Aluminum

LBI OFFERS:

- A large range of **standard aluminum alloys**, including:

Wnr.	NFA	EN	DIN	BS	ASTM
51000 51100	AG 3T NFA 57702	AC - Al Mg3 (a et b) AC - 51100/51000 - EN 1706	G - Al Mg 3 Wnr. 3.3541 - DIN 1725	-	A05140 - ANSI 514.0 ASTM B 26
42100	AS 7 G 03 NFA 57702	AC - Al Si7 Mg0,3 AC - 42100 - EN 1706	G - Al Si 7 Mg wa Wnr. 3.2371 - DIN 1725	LM 25 BS 1490	A13560 - ANSI A356.0 ASTM B 26
42200	AS 7 G 06 NFA 57702	AC - Al Si7 Mg0,6 AC - 42200 - EN 1706	-	-	A13570 - ANSI A357.0 ASTM B 108
43000 43100 43200	AS 10 G NFA 57702	AC - Al Si10 Mg (a,b et c) AC - 43000/43100/43200 - EN 1706	G - Al Si 10 Mg Wnr. 3.2381 - DIN 1725	-	A13600 - ANSI A360.0 A03600 - ANSI 360.0 ASTM B 85
21000	AU 5 G NFA 57702	AC - Al Cu4 Mg Ti AC - 21000 - EN 1706	G - Al Cu 4 Ti Mg Wnr. 3.1371 - DIN 1725	-	A02040 - ANSI 204.0 ASTM B 26

- A large range of sizes (**from 1 Kg to 6 tonnes – up to Ø 6m / 240"**)
- A wide range of profiles: **rings, bushings, tubes, conical shaped parts, flanged rings, flanged tubes, sleeves, housings...**
- From **single parts** to **series**
- Integrated **heat treatment** unit
- In-House rough or **finish machining**



Winding Hub



Pouring of a 2500 kg aluminum casting

LBI:

- Over 100 years of casting & machining, since 1919
- Exporting Worldwide (75% Export share)
- Also casting **stainless steels** & **copper alloys**.
- Centrifugal casting is a cost saving solution in material & machining
- High quality level for demanding applications and customers
- ISO 9001:2008 – ISO14001:2004 – EN 9100:2009

MAIN APPLICATIONS:

Energy | Steelworks | Pumps & Valves | Machine toolings | Paper
Aeronautic & Aerospace | Electrical components | Defence | Medical



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