

Size And Thickness Chart

Forming routes with their size ranges, wall thicknesses, seam behaviour and mould limits, plus the container and flat rack limits that decide how a large sphere reaches site.

Forming routes

Method	Size range	Thickness	Seam	Mould limit
Stamping press	ø6mm to ø700mm	0.6mm to 3mm	Invisible after grinding	Yes
Water pressuring	ø200mm to ø3500mm	1mm to 6mm	Invisible after grinding	No
Spinning	ø89mm to ø3500mm	2mm to 16mm	Visible at equator	Yes
Hand assembling	ø200mm to ø3500mm	1mm to 6mm	Visible, ground burr free	No

By material

Material	Size range	Thickness available
Hollow steel balls	ø6mm to ø3500mm	0.6mm to 16mm
Hollow brass balls	ø6mm to ø3500mm	1mm to 6mm
Hollow aluminium balls	ø6mm to ø3500mm	1mm to 6mm
Metal hemispheres, spun	ø89mm to ø3500mm	2mm to 16mm
Metal hemispheres, stamped	ø6mm to ø700mm	0.6mm to 3mm
Metal hemispheres, assembled	ø200mm to ø3500mm	0.6mm to 6mm
Fire pit balls	ø500mm to ø3500mm	5mm or 6mm carbon steel hemispheres
Steel globes	ø300mm to ø3500mm	Map 1mm to 6mm
Water drop sculptures	ø300mm to ø3500mm	1mm to 6mm
Garden pattern balls	ø300mm to ø3500mm	As specified

Shipping limits

- ø2200mm (ø71/3 feet) is the largest sphere that ships by conventional 20ft or 40ft container.
- ø3500mm (ø11½ ft) is the maximum for a 20ft or 40ft flat rack including packaging.
- Above ø3500mm the sphere is built complete then cut into quarters or eighths.
- Segment edges carry two ribs of AISI 304 bent flat bar, 5mm thick and 75mm wide, drilled for bolting on site.

Standard press hole moulds

ø19mm · ø25mm · ø32mm · ø38mm · ø50mm. A customised size under ø250mm needs a new stamping press mould, charged at USD 1,000.

Colour finish size limits

Finish	Maximum diameter	Notes
Vacuum metalizing (PVD)	ø500mm	Candy transparent colour, fingerprint free
Titanium electroplating	ø2200mm	Metallic colour, fingerprint free
Spray painting	ø3500mm	Car painting method, impact resistant

Quotation

Request a quotation on WhatsApp +86 181 2370 4365 or by email at tinazhou0755@outlook.com. Send diameter, wall thickness, material, finish, quantity and delivery country.