

FORGED PRODUCT CATALOG

This catalog presents the current product scope by family, subcategory, and representative product codes. Materials, dimensions, heat treatment, machining scope, and inspection requirements can be arranged according to customer drawings and project specifications.

Primary Families	Subcategories	Representative Codes
7	24	47

Catalog Notes

- Representative product names are shown for scope reference and website navigation.
- Standard flange types are listed separately; standards and facing details may be addressed at page level.
- Custom and drawing-based forgings can be supplied across multiple product families.

Contents

1. Large Ring Forgings
2. Forged Stubs, Nozzle Necks & Transition Pieces
3. Heavy Shaft Forgings
4. Hollow & Cylindrical Forgings
5. Forged Discs & Tube Sheets
6. Custom Forgings & Forged Blocks
7. Forged Flanges

1. Large Ring Forgings

Large ring forgings and ring blanks for transmission systems, bearings, pressure equipment, wind power structures, and other heavy circular components. Products are available as rolled seamless rings, gear ring blanks, and drawing-based machined rings.

Typical applications: wind tower flange machining, bearing rings, ring gears, pressure vessel rings, and other large circular forgings.

Code	Subcategory	Representative Product	Positioning / Notes
10001	Gear Ring Blanks	Large-Module Gear Ring Blank	Forged ring blanks used as base material for gear cutting and large ring gear manufacturing.
10002	Gear Ring Blanks	Forged Ring Blank for Gear Manufacturing	
10003	Rolled Seamless Rings	Wind Tower Flange Ring Blank	Seamless rolled rings for large circular parts requiring stable geometry and forged ring structure.
10004	Rolled Seamless Rings	Pressure Vessel Ring Forging	
10005	Rolled Seamless Rings	Heavy-Wall Rolled Ring	
10006	Custom Forged & Machined Rings	Custom Forged and Machined Ring	Custom ring forgings and machined rings produced according to drawing and project requirements.
10007	Custom Forged & Machined Rings	Drawing-Based Forged Ring	

2. Forged Stubs, Nozzle Necks & Transition Pieces

Heavy-wall forged short sections, nozzle necks, and transition pieces for pressure vessels, piping interfaces, and special equipment connections. This product family is intended for components that require forged integrity, machining allowance, and project-specific dimensional control.

Typical applications: vessel nozzles, branch connections, heavy-wall transition sections, and project-specific forged pipe interfaces.

Code	Subcategory	Representative Product	Positioning / Notes
11001	Forged Short Sections	Forged Short Pipe Section	Short forged sections for connection parts, transition parts, and heavy-wall tubular applications.
11002	Forged Short Sections	Heavy-Wall Forged Pipe Stub	
11003	Nozzle Neck Forgings	Pressure Vessel Nozzle Neck Forging	Forged nozzle necks for pressure vessels and process equipment branch connections.
11004	Nozzle Neck Forgings	Heavy-Wall Nozzle Neck Forging	
11005	Pipe Section Forgings	Forged Pipe Section	Forged pipe sections and transition pieces for thick-wall piping and process connections.
11006	Pipe Section Forgings	High-Pressure Pipe Section Forging	

3. Heavy Shaft Forgings

Heavy shaft forgings for rotating equipment, industrial drives, marine systems, mining machinery, and other demanding mechanical applications. The range covers solid, stepped, hollow, and special shaft configurations according to service and drawing requirements.

Typical applications: industrial drives, marine propulsion, mills, crushers, turbines, and other rotating equipment.

Code	Subcategory	Representative Product	Positioning / Notes
12001	Solid Shafts	Forged Solid Shaft	Solid shaft forgings for heavy machinery, power transmission, and rotating service.
12002	Solid Shafts	Large-Diameter Forged Shaft	
12003	Stepped Shafts	Forged Stepped Shaft	Stepped shaft forgings with multiple diameter transitions for complex rotating components.
12004	Stepped Shafts	Custom Stepped Shaft Forging	
12005	Hollow Shafts	Forged Hollow Shaft	Hollow shaft forgings for large rotating systems requiring central bores and reduced weight.
12006	Hollow Shafts	Hollow Main Shaft Forging	
12007	Special Shafts	Marine Propulsion Shaft Forging	Application-specific shaft forgings for marine, mining, and other heavy-duty uses.
12008	Special Shafts	Mill Trunnion Forging	
12009	Special Shafts	Crusher Main Shaft Forging	

4. Hollow & Cylindrical Forgings

Hollow and cylindrical forgings for heavy machinery, hydraulic systems, pressure equipment, and large industrial assemblies. The range includes thick-wall cylinders, sleeves, bushings, hollow cylinders, and drawing-based hollow forgings.

Typical applications: hydraulic cylinders, pressure vessel shells, sleeves, bushings, and heavy hollow components.

Code	Subcategory	Representative Product	Positioning / Notes
13001	Heavy-Wall Cylinders	Heavy-Wall Cylinder Forging	Thick-wall cylinder forgings for pressure, hydraulic, and structural service.
13002	Heavy-Wall Cylinders	Pressure Vessel Shell Forging	
13003	Sleeves & Bushings	Large Sleeve Forging	Forged sleeves and bushing blanks for support, wear, and rotating assemblies.
13004	Sleeves & Bushings	Forged Bushing Blank	
13005	Hollow Cylinders	Hollow Cylinder Forging Blank	Hollow cylindrical forgings for large tubular parts and equipment structures.
13006	Hollow Cylinders	Large Hydraulic Cylinder Barrel Forging	
13007	Custom Hollow Forgings	Custom Hollow Forging by Drawing	Drawing-based hollow forgings manufactured to custom bore and wall thickness requirements.

5. Forged Discs & Tube Sheets

Forged discs, round blanks, and tube sheet forgings for heat exchangers, pressure vessels, rotating parts, and large machined circular components. Products can be supplied as forged blanks, rough machined blanks, or semi-finished forgings for subsequent drilling and machining.

Typical applications: heat exchangers, pressure vessels, rotor discs, covers, blanks, and other heavy circular machined parts.

Code	Subcategory	Representative Product	Positioning / Notes
14001	Forged Discs	Forged Disc Blank	Forged discs and round blanks for heavy circular machined components.
14002	Forged Discs	Rotor Disc Forging	
14003	Forged Discs	Large Forged Disc	
14004	Forged Discs	Machined Disc Blank	
14005	Tube Sheet Forgings	Heat Exchanger Tube Sheet Forging	Forged tube sheets and tube sheet blanks for heat exchangers and process equipment.
14006	Tube Sheet Forgings	Heavy Tube Sheet Forging	

6. Custom Forgings & Forged Blocks

Drawing-based custom forgings and forged blocks for heavy machining, OEM production, project equipment, and non-standard industrial components. This section is intended for parts defined primarily by customer drawings rather than standard catalog dimensions.

Typical applications: OEM parts, drawing-based forgings, block machining, and project-specific heavy equipment components.

Code	Subcategory	Representative Product	Positioning / Notes
15001	Custom Forgings	Custom Forging by Drawing	Drawing-based custom forgings for non-standard industrial and heavy equipment applications.
15002	Custom Forgings	Custom Forging for Heavy Equipment	
15003	Forged Blocks	Forged Block for Machining	Forged blocks supplied for heavy machining and structural component manufacture.
15004	Forged Blocks	Rectangular Forged Block	

7. Forged Flanges

Forged flanges supplied in common industrial types and multiple international standards. Available standards may include ASME, EN, DIN, and JIS, with material grade, pressure class, facing type, and dimensional requirements arranged according to project specifications.

Typical standards and systems: ASME, EN, DIN, and JIS based flange projects, with materials and dimensions supplied according to requirements.

Code	Subcategory	Representative Product	Positioning / Notes
16001	Weld Neck Flanges	ASME B16.5 Weld Neck Flange	Forged weld neck flanges for butt-weld piping connections and pressure service.
16002	Weld Neck Flanges	ASME B16.47 Large Diameter Weld Neck Flange	
16003	Slip On Flanges	ASME B16.5 Slip-On Flange	Forged slip on flanges for piping systems requiring convenient installation.
16004	Blind Flanges	ASME B16.5 Blind Flange	Forged blind flanges for sealing line ends, nozzles, and openings.
16005	Blind Flanges	Spectacle Blind	
16006	Socket Weld Flanges	ASME B16.5 Socket Weld Flange	Forged socket weld flanges for small-bore and high-pressure piping systems.
16007	Threaded Flanges	ASME B16.5 Threaded Flange	Forged threaded flanges for non-welded piping connections in suitable service conditions.
16008	Lap Joint Flanges	ASME B16.5 Lap Joint Flange	Forged lap joint flanges for systems using stub ends and frequent dismantling.

Standards Note: *Flange products may be supplied to ASME, EN, DIN, JIS, and other project standards according to dimensional, pressure class, and facing requirements.*