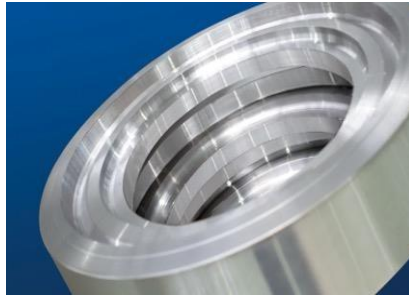




RING & CYLINDER



Introduction :

Ring forgings are ring-shaped objects in which external force is applied against the metal blank and transform it by plastic deformation. This force is typically achieved through the use of hammer or pressure. The forging process creates a fine grain structure and improves the physical properties of the metal. Ring forgings can be seen everywhere in daily life.

Cylindrical parts are an important type in the forging industry and are important component of products such as pressure vessels and cracking reactors. The cylindrical forgings can be produced according to the drawings and requirements provided by the customer. The surface of the forgings is clean and has small machining allowance.

Main parameters

Ring : Outside diameter $\leq \Phi 850\text{mm}$

Cylinder : Outside diameter $\leq \Phi 850\text{mm}$



Common technical standards

Ring: NB/T 47008~47010

Cylinder: GB/T 3077, EN 10083, EN 10085, JB/T 6395

Typical steel grades

Ring: #20, #35, 16Mn, 15CrMo, 1.25Cr-0.5Mo, 2.25Cr-1Mo, 2.25Cr-1Mo-0.3V,
12Cr2Mo1V, 21CrMo10, 0-1Cr8Ni9(Ti), 1Cr17Ni2, 304(L), 316L(N), 321, 347,
00Cr19Ni13Mo3, 00Cr22Ni5Mo3N

Cylinder: 18CrNiMo7-6, 17CrNiMo6, 20CrNiMo, 20CrNi2Mo, 20CrMnMo, 20CrMnTi,
34CrNiMo6, 30CrNiMo8, 40CrNiMo, 35CrMo, 42CrMo

Applications

- Gears, wheels, etc. for port machinery and marine machinery.
- Pressure vessel forgings for chemical machinery.