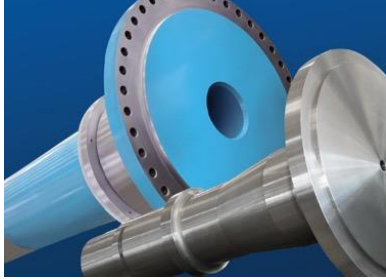


STEP SHAFT



A



B



C

Introduction

Step shaft is a shaft with multiple cylinders of different diameters connected together like steps. The turning of the step shaft is actually a combination of outer circle and plane turning, so the dimensional accuracy of the outer circle and step length requirements must be taken into account when turning.

Main parameters

A: $\leq \Phi 1500\text{mm}$

B: $\leq \Phi 900\text{mm}$

C: $\leq \Phi 900\text{mm}$

Common technical standards:

A: GB/T 3077, EN 10083, EN 10084, EN 10085, JB/T 6395

B: JB/T 1265~1271

C: JB/T 3733, JB/T 4120, JB/T 6393

Typical steel grades

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

B: 35CrMo, 35CrMoV, 34CrMo1A, 20SiMn, 16Mn, 34CrNi1Mo, 34CrNi2Mo, 34CrNi3Mo

C: 9Cr2Mo, 70Cr3Mo, MC3, MC5, etc.

Applications

Gear shaft, transmission shaft, rolls, motor rotation shafts for high speed trains and rail transit, petroleum machinery, etc.