

軸肥大[®]加工

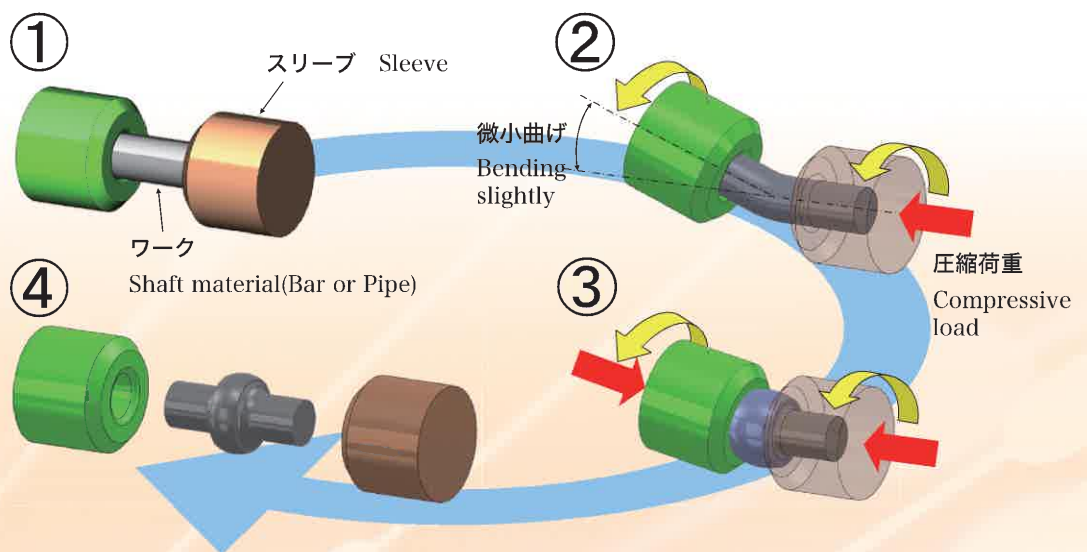
Partial Diameter Enlargement Technology "Jikuhidai"

軸材に軸方向の圧縮応力と回転曲げによる引張と圧縮の繰り返し交番応力を与えることにより肥大部を成形する逐次塑性加工法です。

"Jikuhidai" is a successive deformation processing method that forms enlargements by applying alternating stress through a process of repeated pulling and compression by exposing the shaft material to compressive stress and rotary bending in the axial direction.

加工方法

Process



特長

Features

- ① 小さな加工エネルギーで大きな塑性変形が可能！
 - ② 冷間で素材直径Dに対して肥大径1.6D、肥大幅1.0Dの加工が可能！
 - ③ 材料のムダが極めて少ない！
 - ④ 省エネ&省資源
- ① Enables the formation of large deformations using minimal processing energy
② Enables cold-forming processing with an enlargement rate of 1.6D and enlargement width of 1.0D of the original material diameter D.
③ Less waste of material.
④ Ecological and economical.

加工例

Applications

