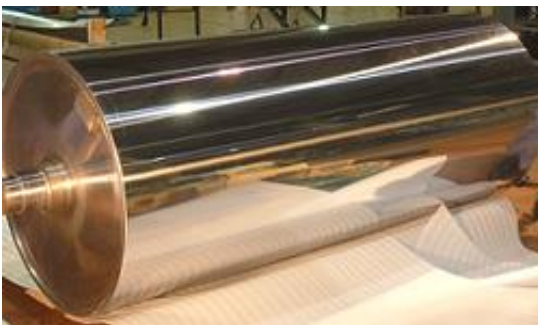


Cylindrical rolls

DHF successfully developed cylindrical rolls made by scrolling (bending and rounding) flat plate and joining its end faces by welding, named as "DHP-roll". The rolls are made of originally-designed alloy steel plate and welding material, which ensure no hardness difference between plate and welded bead surface area of the roll. Therefore, DHP-roll can be used as alternatives to the rolls made by the expensive ring forging method, by which a uniform hardness all over the roll surface is secured.

DHF has been supplying DHP rolls mainly to the customers in the steel and nonferrous industries for being used as process rolls to handle plates and sheets, and typical applications are as follows,

- 1) CGP (Continuous Galvanizing Process Line) for plate to Auto industry
- 2) CPL (Continuous Picking Line)



Characteristics of DHF rolls

- Lightweight, high rigidity, high hardness, and long service life
- No defect at both plate and welded area, uniform hardness, micro structure, and mechanical properties all over the roll surface area (same performance as ring-forged roll)
- Competitive price, short delivery time for not only small quantity order,) but also large ones (Max Lot = 100 pcs)
- Additional surface processing is available as options, such as thermal spraying, plating, and so on

Overview of delivery facilities (Typical application process lines in the steel industry)

Continuous galvanizing steel line (CGL) / Continuous annealing steel line / (CAL, CAPL) /
Continuous pickling steel line (PL / PIC / PK) / Others

Introduction to usage (Typical applications based upon functions)

Tension bridle roll, bridle roll, deflector roll, steering roll, looper roll,
dancer roll, pinch roll, other process, general usage

Manufacturing range (Size range)

φ (Dia.)= 500~1500mm / L(Length) \approx Max2500mm / T (thickness); possible to change on request

