

HEAT TREATMENT

Forging shop

- Soft annealing, normalising, austenitizing and tempering, stress-relieving

	dimensions (L x W x H)
Horizontal furnaces	max. 14,000 x 2,500 x 2,200 mm max. 10,000 x 4,500 x 2,300 mm max. 11,000 x 3,000 x 2,500 mm
Vertical furnaces	max. 1,600 x 8,300 mm

- Quenching in oil

	dimensions (L x W x H)
Horizontal	max. 14,500 x 1,800 x 2,400 mm max. 9,500 x 2,800 x 1,900 mm max. 5,500 x 4,600 x 3,200 mm
Vertical	max. 1,600 x 8,300 mm

- Quenching in water

	dimensions (L x W x H)
Horizontal	max. 9,500 x 3,300 x 1,900 mm
Vertical	max. 1,600 x 8,300 mm

- Heat stability test

	dimensions
Diameter	max. 1,800 mm
Length	2,800 – 10,000 mm
Testing range length	max. 6,500 mm

- Piece weight

Horizontal furnace	max. 60 t
Vertical furnace	max. 40 t
Heat stability test	max. 40 t

Ring rolling mill

Car bottom furnaces	7,800 x 3,800 x 2,150 mm 8,500 x 4,000 x 1,700 mm
Annealing hoods	10,000 x 4,000 x 1,600 mm
High-temperature chamber furnaces	2,800 x 2,800 x 1,500 mm
Low-temperature chamber furnaces	2,800 x 2,800 x 1,500 mm
High-temperature double chamber furnace	2,800 x 5,600 x 1,500 mm
Cooling tanks medium: water / polymer	4,500 x 4,650 x 4,500 mm (95 m ³)