

HARDENING TECHNIQUES/MEASUREMENTS

Bochum
Brackenheim
Chemnitz
Weimar
ANNEALING (VERTICAL - IN PIT FURNACE)

 max. \varnothing 5,000 mm

 \varnothing 1,500 x 4,500 mm

 \varnothing 2,000 x 4,500 mm

 \varnothing 1,500 x 2,000 mm

max. l = 5,000 mm

ANNEALING (CHAMBER FURNACE)

1,200 x 900 x 960 mm

1,200 x 900 x 1,200 mm

5,000 x 4,000 x 2,500 mm

1,200 x 900 x 950 mm

INERT GAS HARDENING AND TEMPERING (VERTICAL - IN PIT FURNACE)

 max. \varnothing 5,000 x 5,000 mm

 \varnothing 1,500 x 4,500 mm

 \varnothing 2,000 x 4,500 mm

 \varnothing 1,500 x 2,000 mm

CARBURIZING, HARDENING, QUENCHING, TEMPERING, CARBONITRIDING (VERTICAL - IN PIT FURNACE)

 max. \varnothing 5,000 mm

 \varnothing 1,300 x 3,000 mm

 \varnothing 2,000 x 4,000 mm

on request

max. l = 5,000 mm

CARBURIZING, HARDENING, QUENCHING, TEMPERING, CARBONITRIDING (CHAMBER FURNACE)

1,00 x 900 x 960 mm

1,200 x 900 x 1,200 mm

1,200 x 880 x 1,020 mm

1,200 x 900 x 950 mm

1,200 x 690 x 900 mm

1,100 x 550 x 550 mm

LOW PRESSURE CARBURIZING

on request

on request

1,000 x 600 x 700 mm (oil)

on request

1,000 x 600 x 650 mm (gas)

GAS NITRIDING - NITROCARBURIZING (CHAMBER FURNACE)

1,800 x 1,200 x 1,000 mm

1,800 x 1,200 x 1,000 mm

1,800 x 1,200 x 1,000 mm

1,800 x 1,200 x 1,000 mm

GAS NITRIDING - NITROCARBURIZING (PIT FURNACE)
 \varnothing 2,900 x 5,500 mm

 \varnothing 1,500 x 4,500 mm

 \varnothing 2,000 x 4,500 mm

 \varnothing 1,500 x 2,000 mm

PLASMANITRIDING

on request

 \varnothing 1,500 x 3,400 mm

on request

on request

VACUUM HARDENING

on request

1,300 x 800 x 900 mm

1,800 x 1,000 x 950 (1,150) mm

on request

Blast Cleaning

2,500 x 2,500 x 2,500 mm

 \varnothing 1,000 x 1,400 mm

 \varnothing 1,600 x 2,600 mm

 \varnothing 1,200 x 1,500 mm

 \varnothing 4,500 x 10,000 mm (request)

larger dimensions on request

STRAIGHTENING
 \varnothing 500 x 10,000 mm

 \varnothing 150 x 3,000 mm

 \varnothing 400 x 4,000 mm

 \varnothing 100 x 1,000 mm

 \varnothing 250 x 5,000 mm

BROWNING

on request

1,250 x 600 x 430 mm

350 x 550 x 1,750 mm

1,250 x 800 x 670 mm

larger sizes on request

SURFACE HARDENING
 \varnothing 1,000 x 12,000 mm

on request

 \varnothing 380 x 3,000 mm

 MF \varnothing 300 x 1,800 mm

 bis \varnothing 1,650 mm (spin)

 \varnothing 1,250 x 2,500 mm (spin)

 HF \varnothing 160 x 1,200 mm

 \varnothing 5,500 mm (individual teeth)

1,500 x 600 x 800 mm (laser)