

CUSTOMIZED EXTRUDED PARTS



High-precision components to customers' specifications

● The advantages of cold-formed high-precision parts

Wherever high-quality precision components are in demand, KÖCO is the right partner. In close cooperation with our customers, the desired parts are developed to mass-production stage and then cold-formed on multiple-stage extruders according to the blueprints. Mechanical finish, annealing and surface coating complete the service range.



No interruption of material fibres, but formation of fibres in line with the outward form!

consequently:

- increased tensile strength, hardness and yield strength, depending on the degree of deformation

Compression and hardening of the material!

consequently:

- an increase in strength, depending on the degree of deformation, which opens up possibilities of using lower-cost, non-alloy steel as basic material

Elimination of turning and drilling processes!

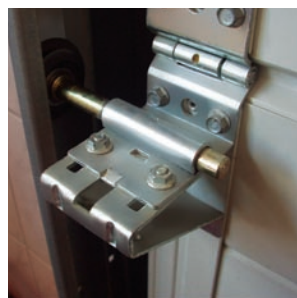
consequently:

- material savings of up to 60%
- time savings of up to 80%

Close dimensional tolerances and excellent surface finish!

consequently:

- subsequent surface treatment minimized or dispensed with



● Cold-forming technology

A shortcut from the idea to the finished product

Production of a stud on a four-stage extruder (set of consecutive steps)

1st step

Cylindrical blank cut to length



2nd step

Extrusion of the smallest diameter



3rd step

Heading



4th step

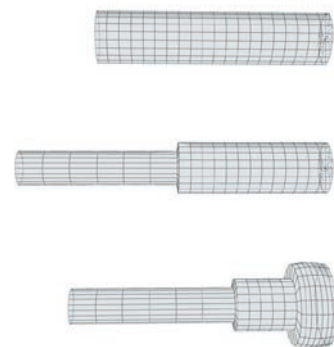
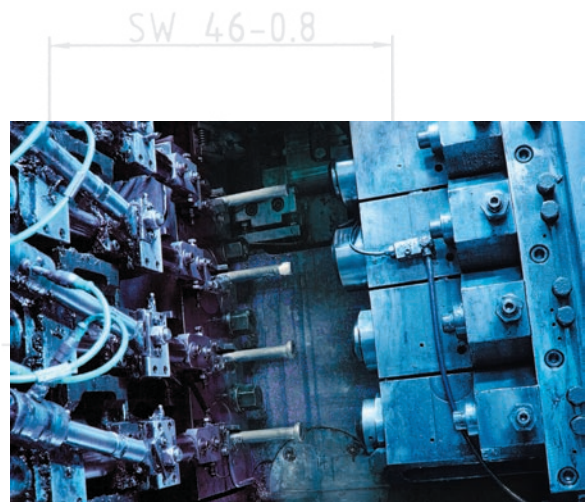
Deburring



Current dimensional range:

Shaft diameter: 3 - 30 mm

Length of shaft: max. 240 mm



For a great variety of applications from the automotive and agricultural machinery industries through building construction and mechanical engineering to the gate, door and furniture industries.



cold-forming, extrude, agricultural machinery industry, building construction, mechanical engineering, gate industry, door industry, furniture industry, threaded studs, cold-formed, extrusion, customized extruded parts, high-quality precision components, wheel bolts, forge, cold rolling, thread rolling, reduce, deburring, mass production part, screws, axes, wind power, shipbuilding, rivets, bolts, utility-vehicle construction, high-precision parts, automotive

KÖSTER & CO