

Hydraulic & Pneumatic Systems

Bright steels, honed tubes, and other precision-engineered steel solutions specifically designed for hydraulic cylinders, piston rods, and circuit components operating under high pressure.

WHAT THE SECTOR REQUIRES

Hydraulic cylinder piston rods · Cylinder bodies (honed tubes) ·
Pneumatic cylinder shafts · Hydraulic power unit pistons

KEY STEEL GRADES

CK45 (h7/h8)

42CrMo4 (h7)

20MnV6

St52 (E355)

C35 Chrome Plated

CK45 Induction Hardened

S355J2H

16MnCr5

HOW WE ADDRESS IT

Hydraulic and pneumatic systems serve critical functions in virtually every area of modern industry. Cylinders, the heart of these systems, require high operating pressure (250-350 bar), precise motion control, and long service life. At Aktif Çelik, we supply piston rods and cylinder tubes, the most critical material needs of hydraulic cylinder manufacturers.

RELEVANT STANDARDS

EN 10278 (h7-h11)

EN 10305-1 (Seamless)

EN 10305-4 (Hydraulic)

ISO 6020

ISO 6022

DIN 2391

EN 10083-3

ISO 3320

PRODUCTS WE SUPPLY

Bright Steel Bars

Hot Rolled Bars

Round Bar

Forged Bars & Pipes

WHY AKTIF ÇELİK

- Grade and standard selected against your specification
- Shipment with EN 10204 3.1 inspection certificate
- Samples and small-batch supply available
- Export documentation handled from a single point
- Technical support on grade equivalence and heat treatment

Request a Quotation

Send us your specification or requirement list and we will come back with the right grade, lead time and price.

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