

Heavy-Duty Hydraulic Cylinder

This hydraulic cylinder is made of high-quality alloy steel 35CrMo or 40CrMo. The inner wall hardness reaches HB285-330, with mechanical properties of Sigma B e 850/MPC, Sigma S e 670/MPC, ϵ e 15% and Talent e 13%.



Product Overview

Heavy-Duty Hydraulic Cylinder

This heavy-duty hydraulic cylinder is engineered for demanding industrial and construction applications. Constructed from high-quality alloy steel, it offers exceptional durability and wear resistance. The inner wall is precision-honed to ensure optimal sealing and smooth, reliable operation under load.

Material Specifications

Material Composition	35CrMo, 40CrMo
Inner Wall Hardness	330 HB

Mechanical Properties

Key Mechanical Metrics

850 MPC

Tensile Strength (Sigma B)

670 MPC

Yield Strength (Sigma S)

Elongation and Toughness

Property	Minimum Value
Elongation (ϵ)	e 15%
Toughness	e 13%