



Spezial - Steel for hydraulic application
C40 mod. / special, forged

This special – quality for hydraulic applications has excellent drilling-, milling- and machining characteristics. In delivery condition this steel is normalized annealed, fitting to best machinability.

Initial raw body, forged:

square

230mm	240mm	250mm	260mm
300mm	320mm	340mm	400mm
	420mm	525mm	

flat

270x240mm	280x210mm	310x290mm
340x310mm	370x340mm	390x300mm
460x210mm	480x420mm	510x370mm
	600x400mm	

These dimensions can be manufactured into smaller dimensions. Both series - production and individual items up to the six face machined block are available.

Chemical composition (cast analysis in %):

- C - min. 0.32 / max. 0.42	- Si - max. 0.40	- Mn - min. 1.20 / max. 1.60	- P - max. 0.045	- S - min. 0.12 / max. 0.28
<i>tensile strength 500 – 600 N/qmm</i>		<i>yield stress min. 340 N/qmm</i>		

certificates:

certification based on EN10204/2.2

-free of charge-

or

certification based on EN10024/3.1B incl.

Heat treatment and

us – testing documentation.

-for value-

ultrasonic inspection based on Stahl- Eisen- Prüfblatt 1921, 2 ,C, c