

MATERIAL GRADES OF STATICALLY CAST ROLLS



• Chemical composition material B10Cr:

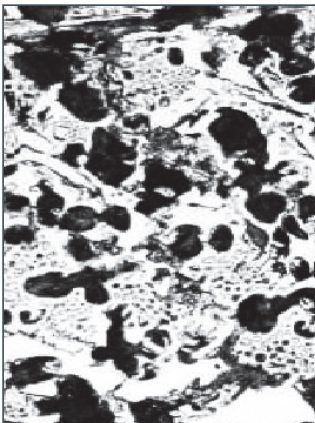
Chemical composition [%]								Barrel Hardness
C	Mn	Si	Pmax	Smax	Ni	Cr	Mo	[HSc]
3,0-3,6	0,4-0,9	1,2-2,0	0,1	0,015	2,0-2,8	0,5-0,6	0,2-0,5	65-70

• Mechanical properties of barrel material (min.):

TENSILE STRENGTH [MPa]	470-570
BENDING STRENGTH [MPa]	400-700

• Microstructure:

100x



500x



• Characteristic microstructure:

Bainitic matrix and cementite, transformed ledeburite and globular graphite.

• Applications:

billet rolls, finischer rolls section mill, rolls for wire rod mill

Hardness penetration of the rolls, material B10Cr

