

MATERIAL GRADES OF STATICALLY CAST ROLLS



- **Chemical composition material GS130CrNiMo:**

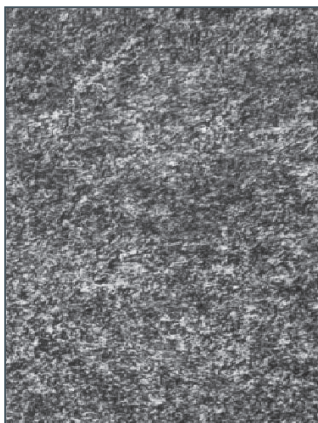
Chemical composition [%]								Barrel Hardness
C	Mn	Si	Pmax	Smax	Ni	Cr	Mo	[HB]
1,1-1,3	0,6-0,9	0,8-1,1	0,030	0,025	0,8-1,1	1,5-1,8	0,7-0,9	320-390

- **Mechanical properties of barrel material (min.):**

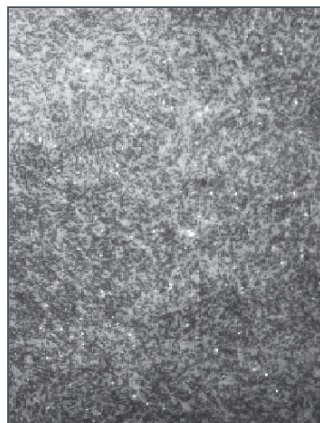
TENSILE STRENGTH [MPa]	750-950
YIELD LIMIT [MPa]	450-550
BENDING STRENGTH [MPa]	750-950

- **Microstructure:**

100x



500x



- **Characteristic microstructure:**

Perlitic matrix with finely distributed carbides.

- **Applications:**
stretching rolls