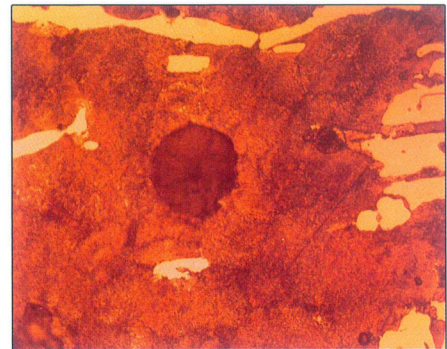
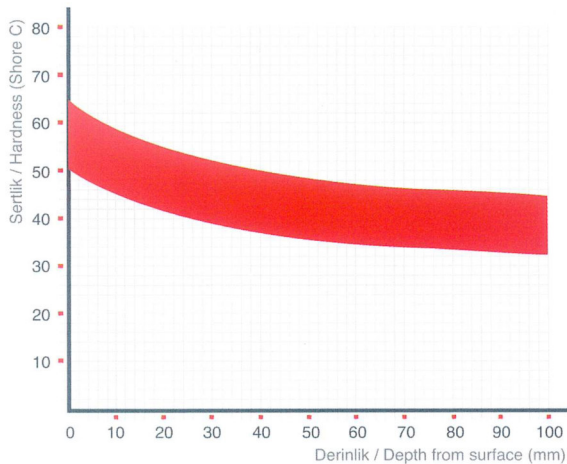


AROUGH MAXIMA



Spherical graphite in increasing amounts and primary cementite that inversely decreases from the surface of the body are observed within the perlitic matrix towards the center. Mechanical strength and toughness increase as one penetrates towards the axis of the roll and at the trunnions, while a good wear strength is obtained in the useful area on the body, where caliber is opened. Toughness and breaking strength are high at the trunnions due to the fact that ledeburitic carbide network is not formed. AROUGH Maxima exhibits a good strength especially at preparation rolling mills in which the amount of burnishing and the angle of bite are high.

| HARDNESS RANGE (SHC) | | C | Si | Mn | Cr | Ni | Mo | Cu | TENSILE STRENGTH (N/mm ²) | BENDING STRENGTH (N/mm ²) |
|----------------------|----|---------|---------|---------|---------|---------|---------|----|---------------------------------------|---------------------------------------|
| 45 | 52 | 3,3-3,7 | 1,5-2,0 | 0,1-0,6 | 0,2-0,8 | 2,0-2,5 | 0,3-0,6 | - | 500-650 | 800-1100 |
| 52 | 58 | 3,3-3,7 | 1,5-2,0 | 0,1-0,6 | 0,2-0,8 | 2,0-2,5 | 0,3-0,6 | - | 500-650 | 800-1100 |
| 58 | 64 | 3,3-3,7 | 1,5-2,0 | 0,1-0,6 | 0,2-0,8 | 2,0-2,5 | 0,3-0,6 | - | 500-650 | 800-1100 |



500X