

Steel for turning

July 2016 - rev.1.0

KLEITOR 60 Pb

W. Nr. 1.0758

CHEMICAL COMPOSITION %

| C% | Si% | Mn% | P% | S% | Cr% | Pb % | Fe% |
|------|------|------|------|------|------|------|---------|
| 0,60 | 0,10 | 0,70 | 0,02 | 0,18 | 0,15 | 0,15 | balance |
| 0,69 | 0,30 | 1,35 | 0,06 | 0,25 | 0,25 | 0,35 | |

USES AND APPLICATIONS

KLEITOR 60 Pb an hardenable, unalloyed free cutting high carbon steel with Pb. High machinability. This steel is well indicated for production of turned parts and engine parts.

EXECUTIONS

| | |
|----------------------------|---|
| Diameters | 1.00 - 25.00 mm |
| Tolerances | ISO h9 up to ISO h7 |
| Delivery conditions | in cold drawn or ground bars 3m and Coils |

MECHANICAL PROPERTIES

| | |
|-------------------------|---|
| Tensile Strength | 680-920 N/mm ² , depends on diameter |
| Heat treatment | hardening: 800 - 840°C, oil cooling anneal: 650 - 720°C |
| Hardness max | 55 - 61 HRc after removing the soft skin (surface decarburization) 48 - 52 HRc diameters hardening < 10mm (core hardening) |
| Cutting speed | 40 - 60 m/min |

OTHER INFORMATION

Diagrams, treatment tabs or other information on request.