

TECHNICAL DATA

Specification

Material No.: 1.6356 / X2NiCoMoTi18-12-4

High-alloy, maraging steel wire used for Aluminum die-casting molds and trimming tools. Good capable of being machine. Applicable for Nitride coating.

Field of Applications

For high stressed cold and hot work tools. Best for high pressure hot wear resistance, crack repairing, good machinability after welded and wear resistance upgrading is available after artificial aging.

Mechanical Properties

| | |
|--|-------|
| Hardness of filler material at 20°C (HRC) | 32-35 |
| Hardness after artificial aged 3-4 H (HRC) | 50-54 |
| Tensile strength (MPa) | 1,379 |
| Ultimate elongation A5 (%) | 18% |

| Composition in % | | | | |
|------------------|---------|----------|---------|----------|
| C 0.02 | Al 0.10 | Si 0.03 | Mn 0.02 | Ni 18.00 |
| Mo 4.00 | Ti 1.80 | Co 12.00 | Fe Rest | |

Compatible Materials:

Maraging steel / SKD61 / MAS1C / 1.2343 / 1.2344

Available Sizes:

MA125 Spools : Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.8

Rods (500 mm) : Ø mm 0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.2



EN 10204/3.1 2005 Quality Certified



e-version

Steel

EN 10204/3.1 2005