# CUTTING CAPACITY OF WMC80

Capable of cutting materials with tensile strength up to

**686 MPa**
**(≈ 70 kg/mm² or 98,000 psi).**


## ✓ EXAMPLE OF MATERIALS SUITABLE FOR THIS CUTTER:

| Material Type | Typical Grade (Europe) | Tensile Strength (MPa) |
|---|---|---|
| Reinforcing mesh wire | B500A / B500B / B500C | 500–600 |
| Mild reinforcing bar | B400B | ~400 |
| Hard-drawn wire (for mesh, fencing) | ~R60 | ~600 |
| Structural cold-drawn wire (medium grade) | R65 | ~650 |
| Stainless steel rebar | EN 10088 (e.g. 1.4301 / 1.4401) | ~500–650 |
| Stainless steel wire mesh | EN 10088 (AISI 304 / 316) | ~500–650 |

## ⊘ EXAMPLE OF MATERIALS BEYOND CUTTER CAPABILITY:

| Material Type | Typical Grade (Europe) | Tensile Strength (MPa) |
|---|---|---|
| Prestressing wire / strand | Y1770, Y1860 | 1,770–1,860 |
| High-strength structural wire | R80–R100 | 800–1,000 |
| Stainless steel wire (AISI 304 / 316) | — | 700-900 |
| Piano wire (spring steel) | EN 10270-1 SH | 1,200–2,000 |

***These examples are provided for reference only and do not guarantee cuttability.**

## CAUTION

- Before cutting, always confirm the tensile strength (Rm or UTS) in the specification sheet. **If Rm > 686 MPa, the material may damage the blades.**
- **Do not twist the blade while cutting, as this may increase the risk of chipping.**