Developed starting from 1976 ATOM T36 is a sintered Titanium Carbide specially designed for the demanding operating conditions of today’s high speed roll mills. ATOM T36 rollers are suitable for high speeds, up to 140m/s, with rotation of approx. 35,000 rpm. All ATOM T36 rollers are produced by SINTER HIP (Hot Isostatic Press) technology to assure the best sintering quality.

**PROPERTIES**
- TiC & W content: 50% Weight
- Hardness: 85.5 Hra
- Density: 6.4 g/sq.cm
- T.R.S.: 2.700 N/mm²

**MACHINING GUIDELINES**
By grinding with:
- resin bond / electroplated diamond wheels
- Diamond size: D151 - 100/120 mesh
To be assured a good cooling system

**FROM THE VERGIN POWDER TO THE FINISHED ROLL**
In its subsidiary, MULTICARB, and starting from the finest materials available, ATOMAT manufactures the complete range of grades for the most cost effective rings used nowadays in every modern rod and rebar rolling mills.

**ATOM – TITANIUM CARBIDE GUIDE ROLLERS**
Developed starting from 1976 ATOM T36 is a sintered Titanium Carbide specially designed for the demanding operating conditions of today’s high speed roll mills. ATOM T36 rollers are suitable for high speeds, up to 140m/s, with rotation of approx. 35,000 rpm. All ATOM T36 rollers are produced by SINTER HIP (Hot Isostatic Press) technology to assure the best sintering quality.

**MACHINED TO YOUR SPECIFICATION**
MULTICARB rolls are available both in standard and Sinter-HIP (Hot Isostatic Pressing) materials in any diameter up to 305 mm (12”) and can be supplied also fully finished, with smooth and notched grooves.

**MULTICARB TUNGSTEN CARBIDE GRADES FOR HOT ROLLING**
**STANDARD AND SINTER (HOT ISOSTATIC PRESSING) QUALITY**

**NOMINAL TECHNICAL DATA**

<table>
<thead>
<tr>
<th>GRADE</th>
<th>WC</th>
<th>Co</th>
<th>Ni</th>
<th>Cr</th>
<th>CARBIDE GRAIN SIZE</th>
<th>DENSITY</th>
<th>HARDNESS</th>
<th>TRS</th>
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<tr>
<td>HR 10</td>
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**ATOMAT GROUP**

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