

The Zapp logo is rendered in a large, white, sans-serif font, positioned in the upper right corner of the image. The background of the entire top section is a photograph of numerous cylindrical metal rods, likely tool steel, stacked on wooden pallets in a warehouse or industrial setting.

Ul·tra [uhl-truh] adjective
1. Beyond the limits; extreme

Z-12Ultra PM™ TOOL LIFE WITHOUT LIMITS

Introducing Z-12Ultra PM – Ultra high-performance tool steel for maximum tool life

High-volume tooling fails due to limited wear resistance, toughness, or compressive strength. Z-12Ultra PM improves all three characteristics compared to common high-wear tool steels, leading to longer tool life at a lower cost. Z-12Ultra PM continues Zapp's 300-year tradition of innovation through *Engineered Solutions*.



Wear Resistance
vs. A11



Toughness
vs. A11



Compressive Strength
vs. A11

When you need ultra-long tool life, you can rely on Z-12Ultra PM.

Contact Zapp today to discuss your unique application.

The Zapp logo is displayed in a large, bold, grey, sans-serif font.

TOOLING ALLOYS
ISO 9001: 2015

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Z-12ULTRA PM™ INITIAL STOCK SIZES

Z-12Ultra PM is available in a wide range of round and flat sizes, available in cut-pieces or full bar lengths.

New sizes are being added to inventory so please contact your Zapp representative for a current inventory list or to discuss special sizes for your application.

ROUND BARS

1.015"	4.062"
1.515"	5.062"
2.031"	6.062"
2.281"	7.125"
2.531"	8.125"
3.062"	9.125"
3.562"	10.125"

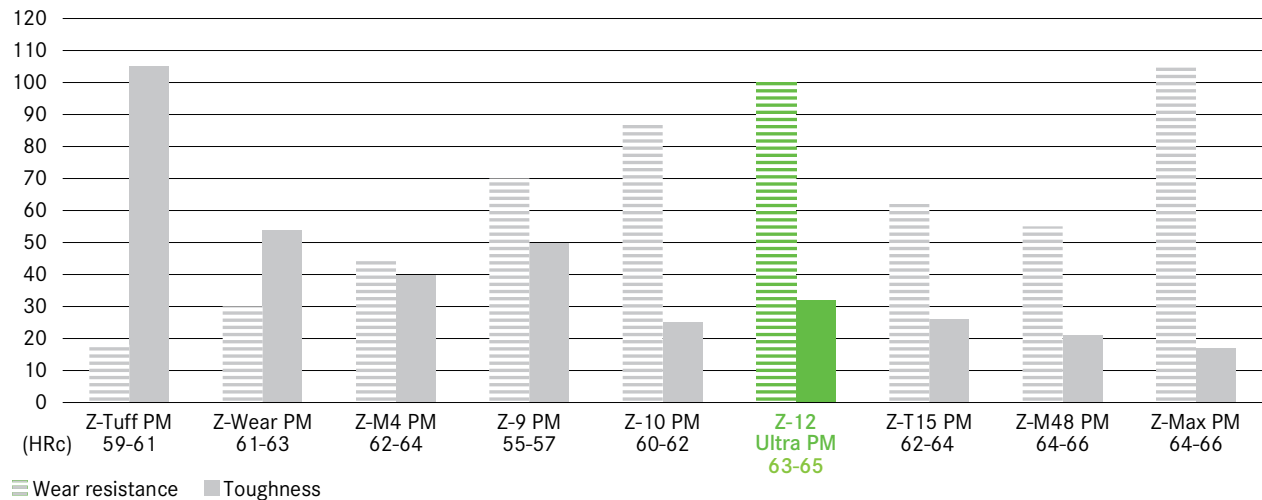
FLAT BARS

All flat sizes up to 12" thick are available

Flats are available with saw-cut tolerances or Z-Squared to your tolerance specifications.

Please contact your Zapp representative to discuss having your steel Z-Squared quickly and cost effectively.

COMPARISON OF MATERIALS



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