TOOLING ALLOYS

EDM BLOCKS
CARBIDE & Z-FLEX

zapp

EDM BLOCKS FOR THE SHEET METAL FORMING & THE AUTOMOTIVE INDUSTRY

Carbide – Ready to Go

Standard Version
_ Precision ground on all sides
_ One standard size – endless possibilities
_ Outer dimensions: 100 x 150 mm, tolerance +0.1/+1.0 mm
_ Available from stock

Our Brand: Z-G200K-HM
_ All-purpose grade – suitable for nearly all applications
_ Medium to fine grain
_ Hardness: 1,400 HV10

Brand/Description	Z-G200K-HM
Height in millimeters, ground Tolerance: +0.2/+0.4 mm	2 / 3 / 4 / 5 / 6 / 8 / 10 / 12 / 15 / 16 / 18 / 20 / 22 / 25 / 28 / 30 / 33 / 35 / 38 / 40 / 42 / 46 / 50 / 60 / 71,5

More grades and dimensions available upon request
_ Custom sizes
_ With special properties (e.g., tougher or more wear-resistant)

You name it – we deliver!

OVER 320 YEARS OF EXPERIENCE – ROOTED IN STEEL

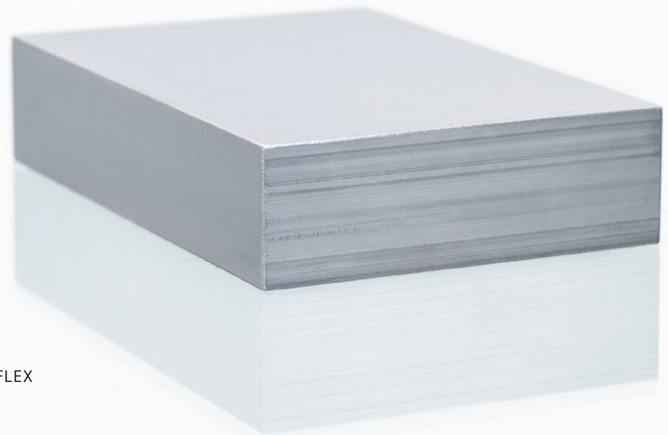
Our PM tool steels and carbides deliver top performance in

_ Sheet metal processing & automotive
_ Forming technology & automotive
_ Powder processing industry
_ Electrical industry
_ Machinery & plant engineering
_ Paper processing
_ Recycling & shredding technology

Who we are

_ Certified to DIN EN ISO 9001
_ Represented worldwide
_ 1,240 employees
_ Four production sites
_ Tooling Alloys Service Centers in Europe, U.S.A., and Asia

Stronger together!



FAST, FASTER, FASTEST: Z-FLEX & Z-FLEX PLUS

Your Z-Series PM Tool Steel & HSS EDM Blocks

Flexible and precise

1. Your Z-Series PM Tool Steel Selection

Z-M4 PM^{speed}
_ **Versatile** Z-Series PM high-speed steel
_ Hardness up to 65 HRC

Z-10 PM^{cold}
_ Highly **wear-resistant** Z-Series PM tool steel
_ Hardness up to 63 HRC

Z-M48 PM^{speed}
_ **High-strength, pressure-resistant** Z-Series PM high-speed steel
_ Hardness up to 69 HRC

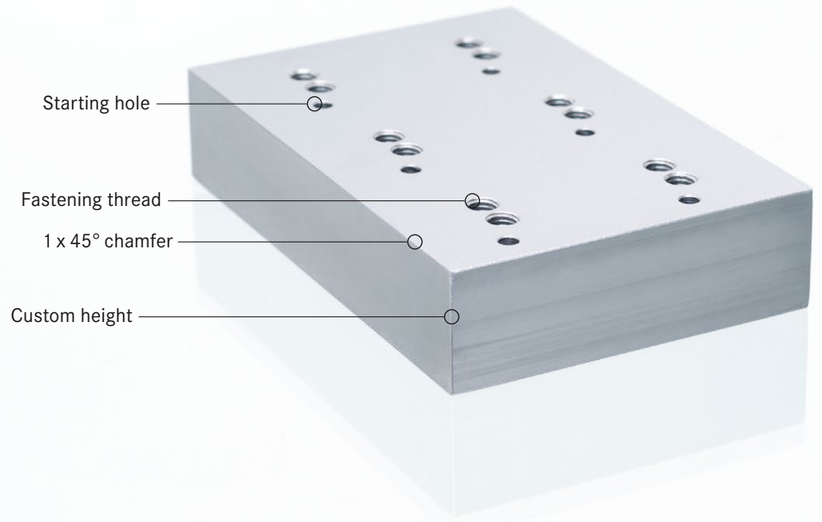
2. Our Offer

Brand/Description	Z-M4 PM^{speed}	Z-10 PM^{cold}	Z-M48 PM^{speed}
Flat 100 x 100 mm	○	○	○
Flat 100 x 150 mm	○	○	○
Flat 100 x 200 mm	○	○	○
Flat 200 x 150 mm	–	○	–
Flat 200 x 200 mm	○	○	–
Finely milled on all sides		Tolerance: +0.3/+0.5 mm	

3. You call the shots.

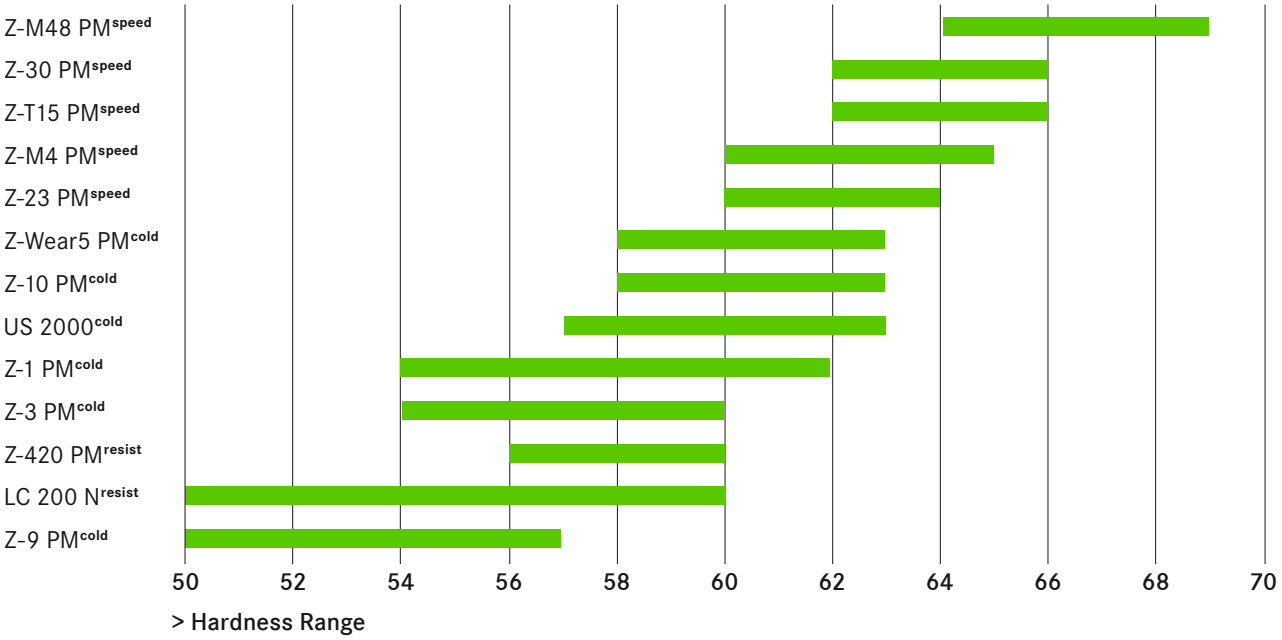
Specifications	Z-Flex – the soft annealed version	Z-Flex Plus – the hardened version
EDM Block **Height**	flexible and freely selectable	flexible and freely selectable
_ saw cut or milled	freely selectable	–
_ parallel-plane ground	–	always
EDM Block **Hardness**	–	flexible from 58 to 69 HRC depending on grade
Options[1]	–	made to your drawing and specifications

[1] **Additional options for Z-Flex Plus:**



OUR Z-GRADES AT A GLANCE

Typical working hardness of our Z-Grades



Our toughnesses

Z-1 PM cold
Z-3 PM cold

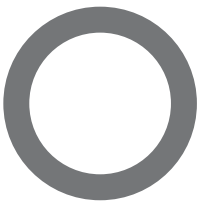
Our universal

Z-M4 PM speed
Z-Wear5 PM cold
US 2000 cold

Our abrasive resistents

Z-9 PM cold
Z-10 PM cold
Z-M48 PM speed

Solid carbides



Z-G200K-HM
Z-G300F-HM
Z-G500F-HM

Our corrosion resistents

Z-420 PM resist
LC 200 N resist

Toughness Wear Resistance Corrosion Resistance

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