



WIDIA



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MEGA METAL

SAVINGS

***BUY MORE
INSERTS,
SAVE MORE
ON STEEL!****

*Offer valid through June 30, 2024. See inside for details.

8-Edged, Double-Sided True 90° Victory™ Shoulder-Face Mill



VSM890

- Market leading solution with double-sided, 8-edged milling inserts
- Perfect fit for all shoulder-face milling jobs where 90° wall is needed
- Superior MRR through high-performance grades and chip breakers
- Multiple diameters with course, medium and fine-pitched cutter densities
- Applicable in aluminum, steels, cast iron, titanium, stainless steels and high-temp alloys
- Comprehensive standard offering for cutter bodies and inserts to address light machining to heavy-roughing jobs

| VSM890 Face & Shoulder Mill Inch (CAD) | | | | | | | |
|---|------|------------|------------|------------|------------|------------|------------|
| # of Inserts | | | | | | | |
| Cutter Diameter | Inch | 10 | 15 | 20 | 30 | 40 | 50 |
| | 1.25 | | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS12510 | VPWMS12515 | VPWMS12520 | VPWMS12530 | VPWMS12540 | VPWMS12550 |
| 1.5 | | \$62 | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS15010 | VPWMS15015 | VPWMS15020 | VPWMS15030 | VPWMS15040 | VPWMS15050 |
| 2 | | \$93 | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS210 | VPWMS215 | VPWMS220 | VPWMS230 | VPWMS240 | VPWMS250 |
| 2.5 | | \$124 | \$62 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS25010 | VPWMS25015 | VPWMS25020 | VPWMS25030 | VPWMS25040 | VPWMS25050 |
| 3 | | \$155 | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS310 | VPWMS315 | VPWMS320 | VPWMS330 | VPWMS340 | VPWMS350 |
| 4 | | \$186 | \$124 | \$62 | \$31 | \$0 | \$0 |
| | | VPWMS410 | VPWMS415 | VPWMS420 | VPWMS430 | VPWMS440 | VPWMS450 |
| 5 | | \$248 | \$186 | \$93 | \$31 | \$0 | \$0 |
| | | VPWMS510 | VPWMS515 | VPWMS520 | VPWMS530 | VPWMS540 | VPWMS550 |
| 6 | | \$341 | \$279 | \$217 | \$93 | \$31 | \$0 |
| | | VPWMS610 | VPWMS615 | VPWMS620 | VPWMS630 | VPWMS640 | VPWMS650 |
| 8 | | \$372 | \$310 | \$217 | \$124 | \$62 | \$0 |
| | | VPWMS810 | VPWMS815 | VPWMS820 | VPWMS830 | VPWMS840 | VPWMS850 |
| 10 | | \$434 | \$372 | \$310 | \$217 | \$124 | \$31 |
| | | VPWMS1010 | VPWMS1015 | VPWMS1020 | VPWMS1030 | VPWMS1040 | VPWMS1050 |

| VSM890 Face & Shoulder Mill Metric (CAD) | | | | | | | |
|---|----|--------------|--------------|--------------|--------------|--------------|--------------|
| # of Inserts | | | | | | | |
| Cutter Diameter | mm | 10 | 15 | 20 | 30 | 40 | 50 |
| | 32 | | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS32MM10 | VPWMS32MM15 | VPWMS32MM20 | VPWMS32MM30 | VPWMS32MM40 | VPWMS32MM50 |
| 40 | | \$62 | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS40MM10 | VPWMS40MM15 | VPWMS40MM20 | VPWMS40MM30 | VPWMS40MM40 | VPWMS40MM50 |
| 50 | | \$93 | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS50MM10 | VPWMS50MM15 | VPWMS50MM20 | VPWMS50MM30 | VPWMS50MM40 | VPWMS50MM50 |
| 63 | | \$124 | \$62 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS63MM10 | VPWMS63MM15 | VPWMS63MM20 | VPWMS63MM30 | VPWMS63MM40 | VPWMS63MM50 |
| 80 | | \$155 | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS80MM10 | VPWMS80MM15 | VPWMS80MM20 | VPWMS80MM30 | VPWMS80MM40 | VPWMS80MM50 |
| 100 | | \$186 | \$124 | \$62 | \$31 | \$0 | \$0 |
| | | VPWMS100MM10 | VPWMS100MM15 | VPWMS100MM20 | VPWMS100MM30 | VPWMS100MM40 | VPWMS100MM50 |
| 125 | | \$248 | \$186 | \$93 | \$31 | \$0 | \$0 |
| | | VPWMS125MM10 | VPWMS125MM15 | VPWMS125MM20 | VPWMS125MM30 | VPWMS125MM40 | VPWMS125MM50 |
| 160 | | \$341 | \$279 | \$217 | \$93 | \$31 | \$0 |
| | | VPWMS160MM10 | VPWMS160MM15 | VPWMS160MM20 | VPWMS160MM30 | VPWMS160MM40 | VPWMS160MM50 |
| 200 | | \$372 | \$310 | \$217 | \$124 | \$62 | \$0 |
| | | VPWMS200MM10 | VPWMS200MM15 | VPWMS200MM20 | VPWMS200MM30 | VPWMS200MM40 | VPWMS200MM50 |
| 250 | | \$434 | \$372 | \$310 | \$217 | \$124 | \$31 |
| | | VPWMS250MM10 | VPWMS250MM15 | VPWMS250MM20 | VPWMS250MM30 | VPWMS250MM40 | VPWMS250MM50 |

Versatile Industry Leading Face Mill for All Machining Conditions



M1600

- 16 cutting edges for low cost per edge for machining in steels, stainless steels and cast-iron components
- Universal -MM geometry insert in grades WP35CM, WU20PM, WK15CM with low cutting forces due to positive rake
- 44° cutter lead angle allows high feed chip thinning with low power requirements
- Depth of cut: 4mm Ap1 max for aggressive MRR
- Precision ground inserts account for less run out and longer lasting tool life
- Smart insert design resists shock loads with integrated wiper facet for improved surface finish

| M1600 Face Mill Inch (CAD) | | | | | | | |
|-------------------------------|------|------------|------------|------------|------------|------------|------------|
| # of Inserts | | | | | | | |
| Cutter Diameter | Inch | 10 | 15 | 20 | 30 | 40 | 50 |
| | 2 | | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS210 | VPWMS215 | VPWMS220 | VPWMS230 | VPWMS240 | VPWMS250 |
| 2.5 | | \$124 | \$62 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS25010 | VPWMS25015 | VPWMS25020 | VPWMS25030 | VPWMS25040 | VPWMS25050 |
| 3 | | \$155 | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS310 | VPWMS315 | VPWMS320 | VPWMS330 | VPWMS340 | VPWMS350 |
| 4 | | \$186 | \$124 | \$62 | \$31 | \$0 | \$0 |
| | | VPWMS410 | VPWMS415 | VPWMS420 | VPWMS430 | VPWMS440 | VPWMS450 |
| 5 | | \$248 | \$186 | \$93 | \$31 | \$0 | \$0 |
| | | VPWMS510 | VPWMS515 | VPWMS520 | VPWMS530 | VPWMS540 | VPWMS550 |
| 6 | | \$341 | \$279 | \$217 | \$93 | \$31 | \$0 |
| | | VPWMS610 | VPWMS615 | VPWMS620 | VPWMS630 | VPWMS640 | VPWMS650 |

| M1600 Face Mill Inch (CAD) | | | | | | | |
|-------------------------------|----|--------------|--------------|--------------|--------------|--------------|--------------|
| # of Inserts | | | | | | | |
| Cutter Diameter | mm | 10 | 15 | 20 | 30 | 40 | 50 |
| | 50 | | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS50MM10 | VPWMS50MM15 | VPWMS50MM20 | VPWMS50MM30 | VPWMS50MM40 | VPWMS50MM50 |
| 63 | | \$124 | \$62 | \$0 | \$0 | \$0 | \$0 |
| | | VPWMS63MM10 | VPWMS63MM15 | VPWMS63MM20 | VPWMS63MM30 | VPWMS63MM40 | VPWMS63MM50 |
| 80 | | \$155 | \$93 | \$31 | \$0 | \$0 | \$0 |
| | | VPWMS80MM10 | VPWMS80MM15 | VPWMS80MM20 | VPWMS80MM30 | VPWMS80MM40 | VPWMS80MM50 |
| 100 | | \$186 | \$124 | \$62 | \$31 | \$0 | \$0 |
| | | VPWMS100MM10 | VPWMS100MM15 | VPWMS100MM20 | VPWMS100MM30 | VPWMS100MM40 | VPWMS100MM50 |
| 125 | | \$248 | \$186 | \$93 | \$31 | \$0 | \$0 |
| | | VPWMS125MM10 | VPWMS125MM15 | VPWMS125MM20 | VPWMS125MM30 | VPWMS125MM40 | VPWMS125MM50 |
| 160 | | \$341 | \$279 | \$217 | \$93 | \$31 | \$0 |
| | | VPWMS160MM10 | VPWMS160MM15 | VPWMS160MM20 | VPWMS160MM30 | VPWMS160MM40 | VPWMS160MM50 |

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