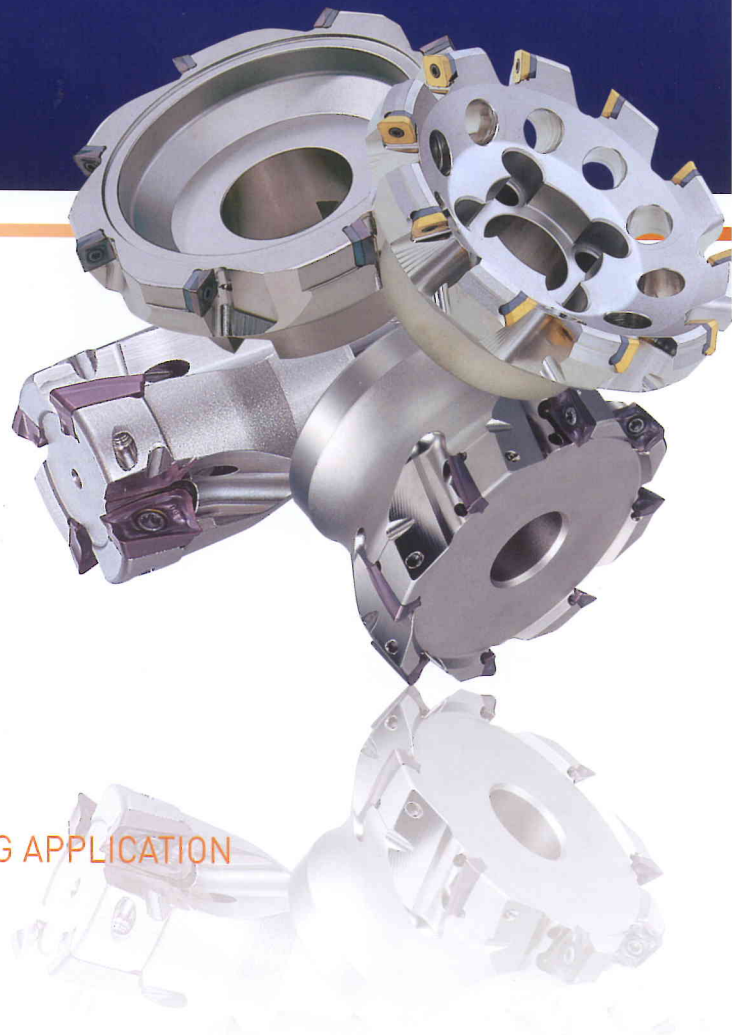




MIRACLE SIGMA

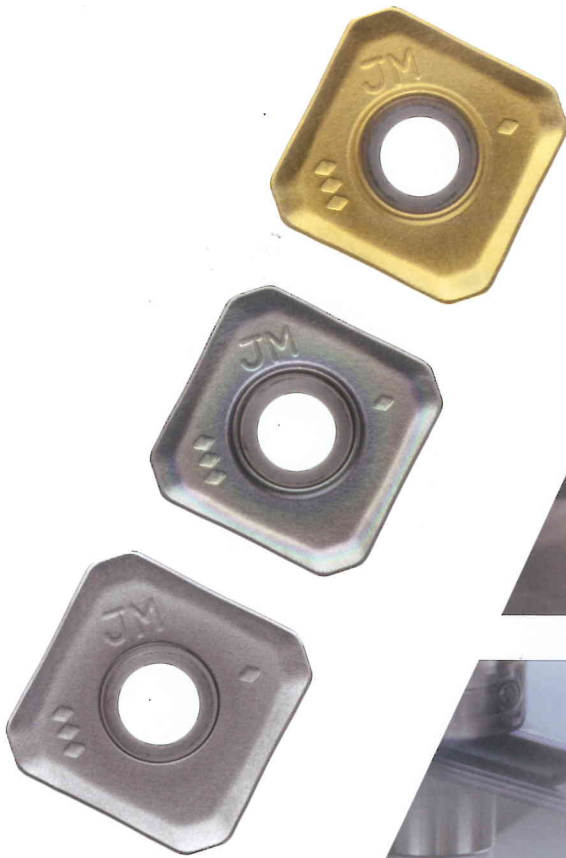


PROMOTION

NEW MIRACLE SIGMA PVD MILLING GRADES
INCREASED PERFORMANCE FOR YOUR MILLING APPLICATION

MP6100/MP7100/MP9100

NEW PVD COATED GRADES



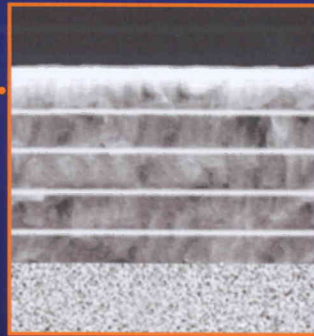
SPECIALISED GRADES FOR SPECIFIC MATERIALS

The new MIRACLE SIGMA PVD coatings have excellent coefficient of friction and toughness properties together with exceptional resistance to wear and chip welding. Multi-layering of the coating prevents any cracks penetrating through to the substrate.

NEW MILLING GRADES FOR HIGH PRODUCTIVITY

New PVD-coated high performance grades MP6100, MP7100 and MP9100 powered by MIRACLE SIGMA. Available for milling cutter types ASX400, ASX445, APX3000 and APX4000.

NEW PVD COATED GRADES



- Excellent welding resistance due to low coefficient of friction
- PVD accumulated coating
- Special cemented carbide substrate

ISO	STEEL
P10	
P20	MP6120
P30	MP6130
P40	MP6140

ISO	STAINLESS STEEL
M10	
M20	MP7130
M30	MP7140
M40	MP7140

ISO	HRSA; TITANIUM
S10	
S20	MP9120
S30	MP9130
S40	MP9130

MP6100: PVD multi-layer coated carbide milling grades for ISO-P material group.

High wear and thermal cracking resistance allows higher cutting speeds compared to conventional PVD coated carbide grades.

MP7100: PVD multi-layer coated carbide milling grades for stainless steels.

With high resistance to thermal cracking and a smooth surface to prevent chip welding.

MP9100: PVD multi-layer coated carbide milling grades for heat resistant super alloys.

With high resistance to thermal cracking and a smooth surface to prevent chip welding.

PROMOTIONAL OFFER

- KIT CONTAINS CUTTER + 50 INSERTS
- KIT CONTAINS SHANK + 30 INSERTS

KIT-ORDER NUMBER	1 X CUTTER	KIT CONTENTS					
		MP6120	MP6130	MP7130	MP7140	MP9120	MP9130
ASX445		50 X SEMT13T3AGSN-JM					
PR-ASX445-050A04R	ASX445-050A04R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX445-063A05R	ASX445-063A05R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX445-080A06R	ASX445-080A06R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX445-100A07R	ASX445-100A07R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX445-125B08R	ASX445-125B08R	209,-	209,-	209,-	209,-	209,-	209,-
ASX400		50 X SOMT12T308PEER-JM					
PR-ASX400-050A04R	ASX400-050A04R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX400-063A05R	ASX400-063A05R	209,-	209,-	209,-	209,-	209,-	209,-
PR-ASX400-080B06R	ASX400-080B06R	209,-	209,-	209,-	209,-	209,-	209,-
APX3000		30 X AOMT123608PEER-M					
PR-APX3000R162WA16SA	APX3000R162WA16SA	125,-	125,-	125,-		125,-	125,-
PR-APX3000R203WA20SA	APX3000R203WA20SA	125,-	125,-	125,-		125,-	125,-
PR-APX3000R254WA25SA	APX3000R254WA25SA	125,-	125,-	125,-		125,-	125,-
APX3000		50 X AOMT123608PEER-M					
PR-APX3000-032A05RA	APX3000-032A05RA	209,-	209,-	209,-		209,-	209,-
PR-APX3000-040A06RA	APX3000-040A06RA	209,-	209,-	209,-		209,-	209,-
PR-APX3000-050A07RA	APX3000-050A07RA	209,-	209,-	209,-		209,-	209,-
PR-APX3000-063A08RA	APX3000-063A08RA	209,-	209,-	209,-		209,-	209,-
APX4000		30 X AOMT184808PEER-M					
PR-APX4000R252WA25SA	APX4000R252WA25SA	149,-	149,-	149,-		149,-	149,-
PR-APX4000R323WA32SA	APX4000R323WA32SA	149,-	149,-	149,-		149,-	149,-
APX4000		50 X AOMT184808PEER-M					
PR-APX4000-040A04RA	APX4000-040A4RA	249,-	249,-	249,-		249,-	249,-
PR-APX4000-050A05RA	APX4000-050A05RA	249,-	249,-	249,-		249,-	249,-
PR-APX4000-063A06RA	APX4000-063A06RA	249,-	249,-	249,-		249,-	249,-

THIS PROMOTION WILL START ON 1ST OF JUNE 2014 AND IS VALID UNTIL STOCK LASTS. PROMOTIONAL GOODS ARE NOT EXCHANGEABLE.
(ALL NET PRICES IN GBP)

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