



SGSO

KEEP ADVANCING WITH YOU

High-precision Finishing Insert

VSB & MSB & MP

• SBPF / SPH / SPVM

VSB & MSB

High-precision ball nose finishing insert

- Ultra-Fined Micro-Particle Substrate, High Hardness and Excellent Wear Resistance .
- Insert Clamping R Accuracy $\pm 0.01\text{mm}$.
- S-Shaped Spiral Design, Low Cutting Vibration, High Quality Workpiece Surface .
- AHX Nano Multi-Layer Coating up to 65HRC .

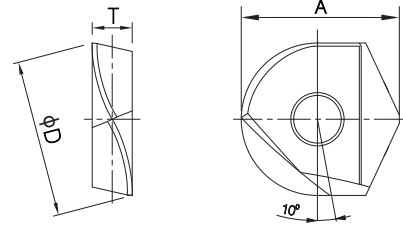
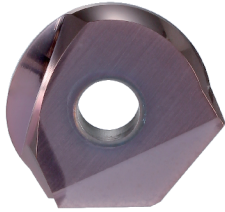


MPGW

High-precision Side-bottom Finishing Insert

- Six-side precision ground. Tolerance: H-class.
- Peripheral and bottom edges for finishing. Equal height on periphery. Bottom edge for parallel & plunge milling.
- With rigid setup, wiper insert improves feed, surface finish, and brightness.
- With carbide shank and threaded head: Achieves precision within 0.02mm. Cost-effective alternative to large solid carbide end mills.

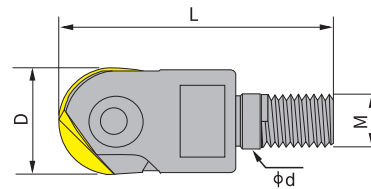
VSB Finishing Ball Nose Insert



Unit : mm

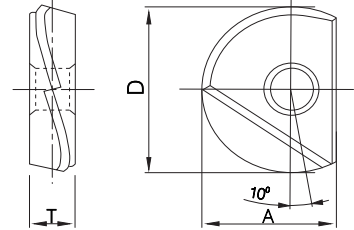
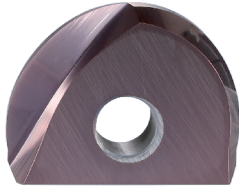
Type No.	D	R	A	T
VSB160-BS-R 9105-B	16	8	16.6	4.2
VSB200-BS-R 9105-B	20	10	20.2	5.2
VSB250-BS-R 9105-B	25	12.5	24.3	6.2
VSB300-BS-R 9105-B	30	15	29.2	7.2

SBPF Finishing Ball Nose Holder



Type No.	D	d	L	M	No. Insert	Insert	Screw	Wrench
SBPF16-M08	16	8.5	28	M08	1	VSB160	ZP16	TK15
SBPF20-M10	20	10.5	30	M10	1	VSB200	ZP20	TK20
SBPF25-M12	25	12.5	40	M12	1	VSB250	ZP25	TK30
SBPF30-M16	30	17	41	M16	1	VSB300	ZP30	TK30

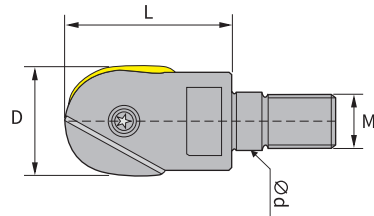
MSB Finishing Ball Nose Insert



Unit : mm

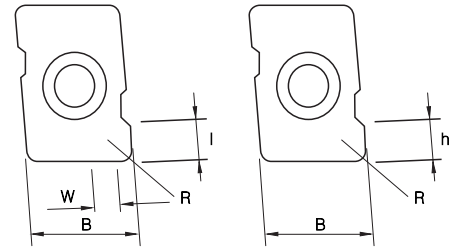
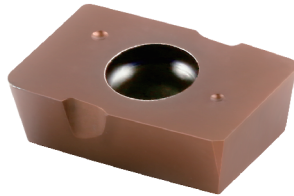
Type No.	D	R	A	T
MSB100-S-R 9105-B	10	5	8.5	2.6
MSB120-S-R 9105-B	12	6	10	3
MSB160-S-R 9105-B	16	8	12	4
MSB200-S-R 9105-B	20	10	15	5
MSB250-S-R 9105-B	25	12.5	18.5	6
MSB300-S-R 9105-B	30	15	22.5	7

SPH Finishing Ball Nose Holder



Type No.	D	d	L	M	No. Insert	Insert	Screw	Wrench
SPH10-M05	10	6.5	20	M5	1	MSB100	NS-033	T8
SPH12-M06	12	6.5	22	M6	1	MSB120	NS-044	T10
SPH16-M08	16	8.5	28	M8	1	MSB160	NS-046	T15
SPH20-M10	20	10.5	30	M10	1	MSB200	NS-047	T20
SPH25-M12	25	12.5	40	M12	1	MSB250	NS-047	T30
SPH30-M16	30	17	41	M16	1	MSB300	NS-048	T40

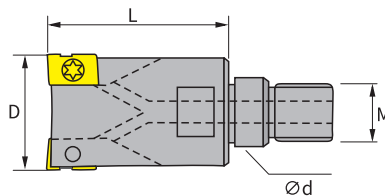
MPGW Side-Bottom Finishing Insert



Unit : mm

Type No.	B	R	W	h	I	Wiper (W)
MPGW100308 FP-9110	6.35	0.8	1.5	3	—	Yes
MPGW100308 MP-9110	6.35	0.8	—	—	3	No

SPVM Side-Bottom Finishing Holder



Type No.	D	d	L	M	No. Insert	Insert	Screw	Wrench
SPVM16-M08-2T	16	8.5	25	M8	2	MPGW1003	TS2506	TK08
SPVM20-M10-2T	20	10.5	30	M10	2	MPGW1003	TS2506	TK08
SPVM20-M10-3T	20	10.5	30	M10	3	MPGW1003	TS2506	TK08
SPVM25-M12-3T	25	12.5	35	M12	3	MPGW1003	TS2506	TK08
SPVM25-M12-4T	25	12.5	35	M12	4	MPGW1003	TS2506	TK08