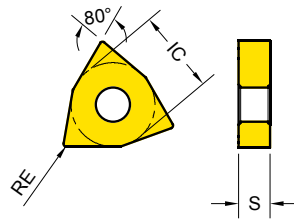


Turning Inserts - Negative

WNMA / WNMG (80° Trigon)



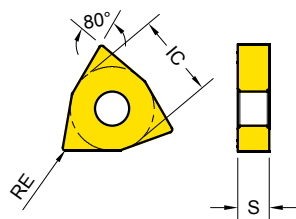
Series	IC	S
WN** 0604	9.525	4.76
WN** 0804	12.700	4.76

EDP 2200..

● : Stock item ○ : Order made item

WNMA WNMG	Designation	RE	Fn (mm/rev.)	Ap (mm)	K10	P05 K20	P10 K30	P15	P10	P20	P30	P20	M25	M15	M30	M40 S30	S10	P15 M15 K15	N20	N20
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
..MA  Cast iron	WNMA 080404	0.4	0.15 ~ 0.50	0.5 ~ 5.0	●	○	○													
	WNMA 080408	0.8	0.15 ~ 0.50	1.0 ~ 5.0	●	○	○													
	WNMA 080412	1.2	0.15 ~ 0.50	1.5 ~ 5.0	●	○	○													
-UF  Finishing	WNMG 060404 - UF	0.4	0.05 ~ 0.20	0.5 ~ 2.0			○		●	●	●	○								
	WNMG 080404 - UF	0.4	0.05 ~ 0.25	0.5 ~ 2.5			○		●	●	●	○								
	WNMG 080408 - UF	0.8	0.05 ~ 0.25	1.0 ~ 2.5			○		●	●	●									
	WNMG 080412 - UF	1.2	0.05 ~ 0.25	1.5 ~ 2.5			○		●	●	●									
-UL  Light Machining and Sticky Material	WNMG 060408 - UL	0.8	0.10 ~ 0.30	1.0 ~ 2.5			○		●	●	●									
	WNMG 080404 - UL	0.4	0.10 ~ 0.30	0.5 ~ 3.0			○		●	●	●									
	WNMG 080408 - UL	0.8	0.10 ~ 0.30	1.0 ~ 3.0			○		●	●	●									
	WNMG 080412 - UL	1.2	0.10 ~ 0.30	1.5 ~ 3.0			○		●	●	●									
-UM  Medium Machining Unstable condition	WNMG 060404 - UM	0.4	0.15 ~ 0.30	0.5 ~ 2.5	○	○	○		●	●	●									
	WNMG 060408 - UM	0.8	0.15 ~ 0.30	1.0 ~ 2.5	○	○	○		●	●	●									
	WNMG 080404 - UM	0.4	0.15 ~ 0.30	0.5 ~ 3.0		○	○		●	●	●									
	WNMG 080408 - UM	0.8	0.15 ~ 0.30	1.0 ~ 3.0		○	○		●	●	●									
	WNMG 080412 - UM	1.2	0.15 ~ 0.30	1.5 ~ 3.0		○	○		●	●	●									
	WNMG 080416 - UM	1.6	0.15 ~ 0.30	2.0 ~ 3.0		○	○		●	●	●									

Turning Inserts - Negative WNMG (80° Trigon)



Series	IC	S
WN** 0604	9.525	4.76
WN** 0804	12.700	4.76

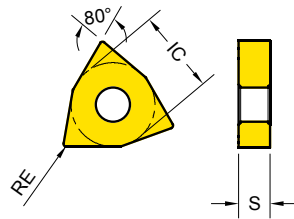
EDP 2200..

● : Stock item ○ : Order made item

					K10	P05	P10	P15	P10	P20	P30	P20	M25	M15	M30	M40	S10	P15	M15	N20	N20
					K20	K30										S30		K15			
WNGM	Designation	RE	Fn (mm/rev.)	Ap (mm)	YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10	
-UG  Medium Machining at stable condition	WNMG 060408 - UG	0.8	0.20 ~ 0.40	1.0 ~ 3.0	●	○	○		●	●	●	○									
	WNMG 080404 - UG	0.4	0.20 ~ 0.40	0.5 ~ 3.0	●	○	○		●	●	●	○									
	WNMG 080408 - UG	0.8	0.20 ~ 0.40	1.0 ~ 3.0	●	○	○	○	●	●	●	○									
	WNMG 080412 - UG	1.2	0.20 ~ 0.40	1.5 ~ 3.0	●	○	○	○	●	●	●	○									
	WNMG 080416 - UG	1.6	0.20 ~ 0.40	2.0 ~ 4.0	●	○	○	○	●	●	●	○									
-PWM  Wiper-Medium	WNMG 080408 - PWM	0.8	0.10 ~ 0.50	0.8 ~ 3.5					●												
									2706												
-UC  Cast iron and Medium roughing	WNMG 060408 - UC	0.8	0.20 ~ 0.40	1.0 ~ 3.0	●	○	○		●	●	●										
	WNMG 080404 - UC	0.4	0.20 ~ 0.40	0.5 ~ 4.0	●	○	○		●	●	●										
	WNMG 080408 - UC	0.8	0.20 ~ 0.40	1.0 ~ 4.0	●	○	○	○	●	●	●										
	WNMG 080412 - UC	1.2	0.20 ~ 0.40	1.5 ~ 4.0	●	○	○	○	●	●	●										
	WNMG 080416 - UC	1.6	0.20 ~ 0.40	2.0 ~ 4.0	●	○	○		●	●	●										
-UR  Roughing	WNMG 060412 - UR	1.2	0.30 ~ 0.50	1.5 ~ 4.0	●	○	○		●	●	●										
	WNMG 080408 - UR	0.8	0.30 ~ 0.50	1.0 ~ 5.0	●	○	○		●	●	●										
	WNMG 080412 - UR	1.2	0.30 ~ 0.50	1.5 ~ 5.0	●	○	○	○	●	●	●	○									
	WNMG 080416 - UR	1.6	0.30 ~ 0.50	2.0 ~ 5.0	●	○	○	○	●	●	●										
-KR  Cast Iron Heavy Roughing	WNMG 080408 - KR	0.8	0.30 ~ 0.60	1.0 ~ 5.0	●	○	○		●												
	WNMG 080412 - KR	1.2	0.30 ~ 0.60	1.5 ~ 5.0	●	○	○		●												

Turning Inserts - Negative

WNMG (80° Trigon)



Series	IC	S
WN** 0604	9.525	4.76
WN** 0804	12.700	4.76

EDP 2200..

● : Stock item ○ : Order made item

WNGM	Designation	RE	Fn (mm/rev.)	Ap (mm)	K10	P05 K20	P10 K30	P15	P10	P20	P30	P20	M25	M15	M30	M40 S30	S10	P15 M15 K15	N20	N20
					YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
-MF  Stainless steel Finishing	WNMG 060404 - MF	0.4	0.07 ~ 0.30	0.2 ~ 1.5			○ 0833				○ 0996		● 2461	● 1215	● 1217	● 2284	○ 2279			
	WNMG 060408 - MF	0.8	0.07 ~ 0.30	0.2 ~ 1.5										● 1216	● 1218	● 2285	○ 2280			
	WNMG 080404 - MF	0.4	0.07 ~ 0.30	0.2 ~ 1.5							○ 0834		● 2462	● 0667	● 0668	● 0970	○ 2281			
	WNMG 080408 - MF	0.8	0.07 ~ 0.30	0.2 ~ 1.5							○ 1098		● 2463	● 0617	● 0618	● 2268	○ 2282			
-MM  Stainless steel Medium	WNMG 080404 - MM	0.4	0.20 ~ 0.35	0.5 ~ 3.5										● 0571	● 0572	● 2300	○ 2301			
	WNMG 080408 - MM	0.8	0.20 ~ 0.35	1.0 ~ 3.5							○ 0491			● 0497	● 0498	● 0633	○ 2302			
	WNMG 080412 - MM	1.2	0.20 ~ 0.35	1.5 ~ 3.5										● 0612	● 0615	● 1926	○ 2303			
-MG  Stainless steel General	WNMG 060404 - MG	0.4	0.20 ~ 0.40	0.5 ~ 3.0									● 2487							
	WNMG 060408 - MG	0.8	0.20 ~ 0.40	1.0 ~ 3.0									● 2476							
	WNMG 060412 - MG	1.2	0.20 ~ 0.40	1.5 ~ 3.0									● 2477							
	WNMG 080404 - MG	0.4	0.20 ~ 0.40	0.5 ~ 4.0									● 2488							
	WNMG 080408 - MG	0.8	0.20 ~ 0.40	1.0 ~ 4.0									● 2478	● 1496	● 1497	● 1160	● 1498			
	WNMG 080412 - MG	1.2	0.20 ~ 0.40	1.5 ~ 4.0									● 2479	● 1499	● 1500	● 1161	● 1501			
-MR  Stainless steel Roughing	WNMG 060412 - MR	1.2	0.30 ~ 0.55	1.2 ~ 4.0							○ 1154		● 2498	● 0616	● 1787	● 1896				
	WNMG 080408 - MR	0.8	0.30 ~ 0.55	2.0 ~ 5.5							○ 1099		● 2499	● 0619	● 0620	● 0835				
	WNMG 080412 - MR	1.2	0.30 ~ 0.55	2.0 ~ 5.5							○ 0837		● 2482	● 0665	● 0666	● 0836				

TURNING

PARTING & GROOVING

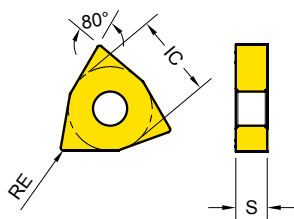
MILLING

DRILLING

TECHNICAL INFORMATION

Turning Inserts - Negative

WNGG / WNMG (80° Trigon)



Series	IC	S
WN** 0604	9.525	4.76
WN** 0804	12.700	4.76

EDP 2200..

● : Stock item ○ : Order made item

	WNGG WNMG	Designation	RE	Fn (mm/rev.)	Ap (mm)	K10	P05 K20	P10 K30	P15	P10	P20	P30	P20	M25	M15	M30	M40 S30	S10	P15 M15 K15	N20	N20
						YG1010	YG1001	YG3010	YG3015	YG3115	YG3020	YG3030	YG801	YG2025	YG211	YG213	YG214	YG401	YT100	YG100	YG10
TURNING	-SF  HRSA Finishing	WNGG 080408 - SF	0.8	0.10 ~ 0.25	0.2 ~ 1.0													● 1308			
PARTING & GROOVING	-SM  HRSA Medium	WNMG 080408 - SM	0.8	0.15 ~ 0.30	0.5 ~ 3.0										○ 1199	○ 1206	○ 1859	● 1311			
		WNMG 080412 - SM	1.2	0.15 ~ 0.30	0.5 ~ 3.0										○ 1374	○ 1416	○ 1860	● 1312			
MILLING	-SR  HRSA Roughing	WNMG 060412 - SR	1.2	0.30 ~ 0.55	1.2 ~ 4.0													● 1439			
		WNMG 080408 - SR	0.8	0.30 ~ 0.55	2.0 ~ 5.5													● 1310			
		WNMG 080412 - SR	1.2	0.30 ~ 0.55	2.0 ~ 5.5													● 1309			
DRILLING	-PSF  Cermet Finishing	WNMG 080404 - PSF	0.4	0.07 ~ 0.30	0.4 ~ 2.5													● 2539			
		WNMG 080408 - PSF	0.8	0.10 ~ 0.30	0.6 ~ 2.5													● 2540			
TECHNICAL INFORMATION																					