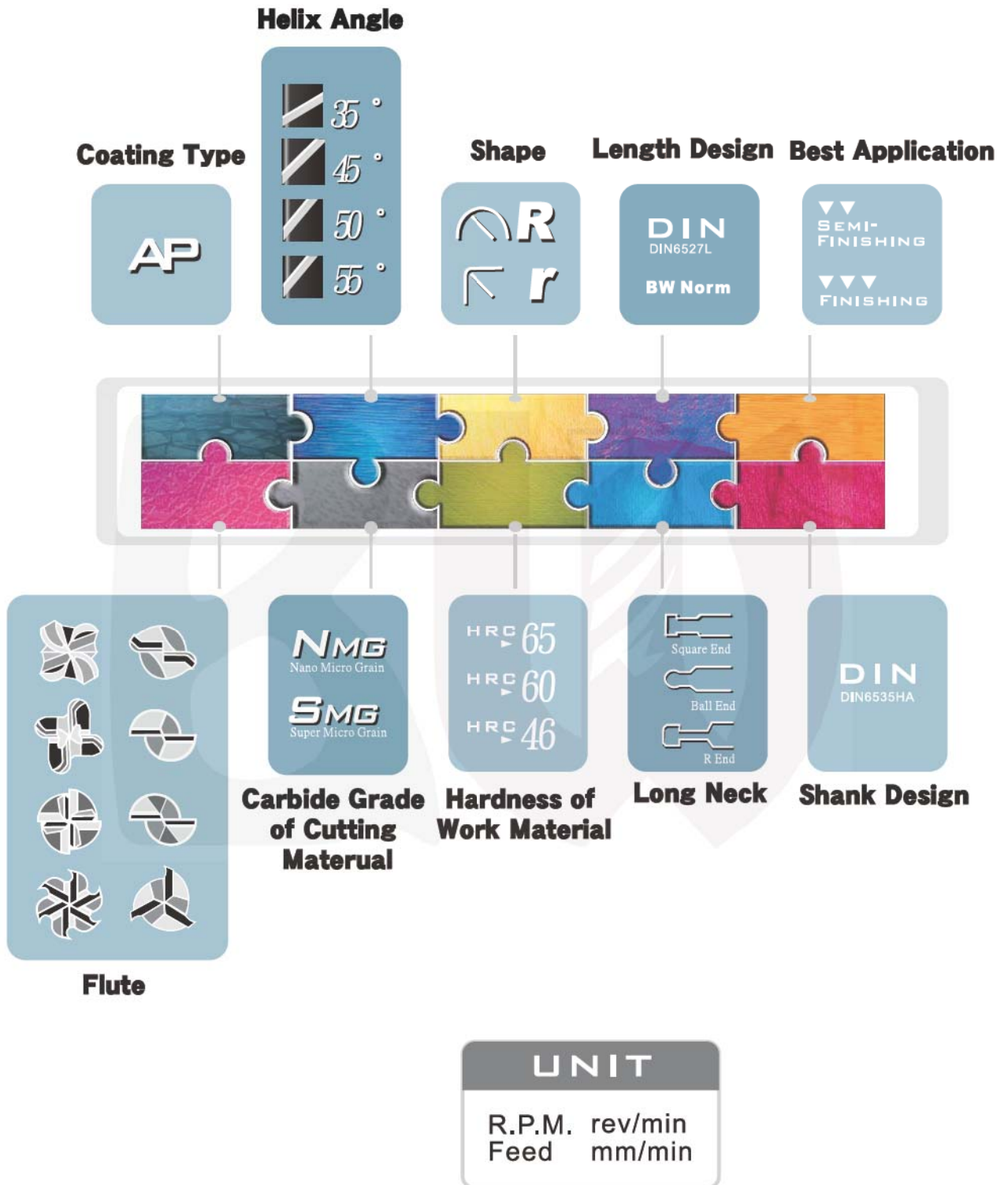


Description Of The Icon



SOLID CARBIDE END MILLS



Corner Radius End Mills

錫鋼圓鼻角立銑刀

P1 - 2RZ



P3 - 4RZ



End Mill

NMG

Nano Micro Grain Solid Carbide



Super Micro Grain Solid Carbide

SMG

P4 - 2RTW



P5 - 4RTW



P6 - 4RTPW



P7 - 3RTW



P8 - 6RTW



P9 - RI



P10 - 4RLT



P11 - 2RLT



P12 - 3CRT



P13 - 4RSW



SOLID CARBIDE END MILLS



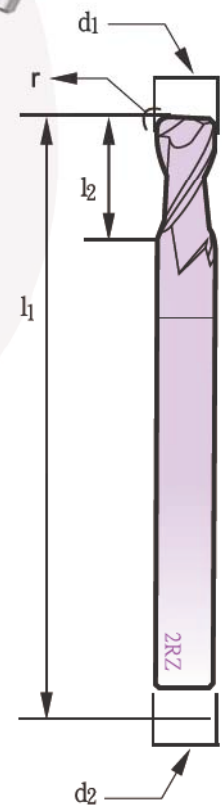
NMG Corner Radius End Mills

奈米微粒圓鼻角立銑刀



Order Code	Ø d ₁ (h10)	r	l ₂	l ₁	Ø d ₂ (h6)
2RZ0205	2.0	0.5	6.0	38	3.0
2RZ0255	2.5	0.5	7.0	38	3.0
2RZ0305	3.0	0.5	7.0	57	6.0
2RZ0405	4.0	0.5	8.0	57	6.0
2RZ0405E	4.0	0.5	8.0	75	6.0
2RZ0505	5.0	0.5	10.0	57	6.0
2RZ0605	6.0	0.5	10.0	57	6.0
2RZ0605F	6.0	0.5	10.0	100	6.0
2RZ0610	6.0	1.0	10.0	57	6.0
2RZ0610F	6.0	1.0	10.0	100	6.0
2RZ0805	8.0	0.5	16.0	63	8.0
2RZ0805F	8.0	0.5	16.0	100	8.0
2RZ0810	8.0	1.0	16.0	63	8.0
2RZ0810F	8.0	1.0	16.0	100	8.0
2RZ1005	10.0	0.5	19.0	72	10.0
2RZ1005F	10.0	0.5	19.0	100	10.0
2RZ1010	10.0	1.0	19.0	72	10.0
2RZ1010F	10.0	1.0	19.0	100	10.0
2RZ1020	10.0	2.0	19.0	72	10.0
2RZ1020F	10.0	2.0	19.0	100	10.0
2RZ1205	12.0	0.5	22.0	83	12.0
2RZ1210	12.0	1.0	22.0	83	12.0
2RZ1210F	12.0	1.0	22.0	100	12.0
2RZ1220	12.0	2.0	22.0	83	12.0
2RZ1220F	12.0	2.0	22.0	100	12.0
2RZ1605	16.0	0.5	26.0	92	16.0
2RZ1610	16.0	1.0	26.0	92	16.0

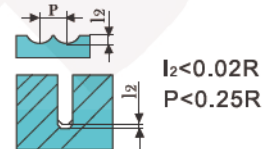
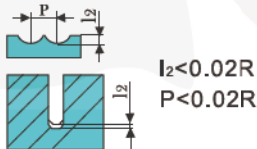
mm



2RZ Recommendations for Cutting Conditions

WORK Material	S45C,P20S,FCD		SUS403,SKD11,SCr		Ti-6Al-4V PRE/HARDENED STEELS	
	<HRC30		<HRC30-45		<HRC45-60	
	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
2RZ0205	28000	2150	27000	2070	26000	2000
2RZ0255	28000	2150	27000	2070	26000	2000
2RZ0305	26000	3030	25000	2910	24000	2800
2RZ0405	22000	3300	21000	3150	20000	3000
2RZ0405E	22000	3300	21000	3150	20000	3000
2RZ0505	21000	3150	20000	3000	19000	2850
2RZ0605	20000	3330	19000	3160	18000	3000
2RZ0605F	20000	3330	19000	3160	18000	3000
2RZ0610	20000	3330	19000	3160	18000	3000
2RZ0610F	20000	3330	19000	3160	18000	3000
2RZ0805	18000	4500	17000	4250	16000	4000
2RZ0805F	18000	4500	17000	4250	16000	4000
2RZ0810	18000	4500	17000	4250	16000	4000
2RZ0810F	18000	4500	17000	4250	16000	4000
2RZ1005	16000	4570	15000	4280	14000	4000
2RZ1005F	16000	4570	15000	4280	14000	4000
2RZ1010	16000	4570	15000	4280	14000	4000
2RZ1010F	16000	4570	15000	4280	14000	4000
2RZ1020	16000	4570	15000	4280	14000	4000
2RZ1020F	16000	4570	15000	4280	14000	4000
2RZ1205	15500	4420	14500	4140	13500	3850
2RZ1210	15500	4420	14500	4140	13500	3850
2RZ1210F	15500	4420	14500	4140	13500	3850
2RZ1220	15500	4420	14500	4140	13500	3850
2RZ1220F	15500	4420	14500	4140	13500	3850
2RZ1605	9300	2660	9100	2600	8500	2430
2RZ1610	9300	2660	9100	2600	8500	2430

Max
Milling
Volume



2RZ

4RZ

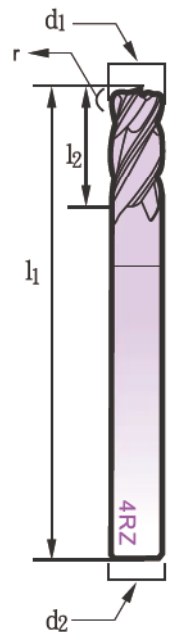
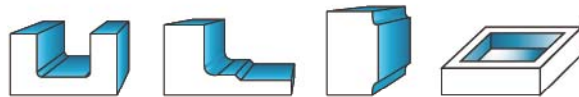


NMG Corner Radius End Mills

奈米微粒圓鼻角立銑刀



4RZ

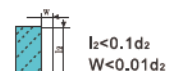
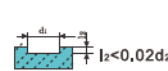
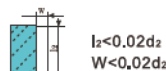
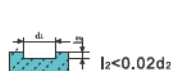


Order Code	Ø d ₁ (h10)	r	l ₂	l ₁	Ø d ₂ (h6)
4RZ0405	4.0	0.5	11.0	57	6.0
4RZ0505	5.0	0.5	13.0	57	6.0
4RZ0510	5.0	1.0	13.0	57	6.0
4RZ0605	6.0	0.5	13.0	57	6.0
4RZ0605F	6.0	0.5	13.0	100	6.0
4RZ0610	6.0	1.0	13.0	57	6.0
4RZ0610F	6.0	1.0	13.0	100	6.0
4RZ0805	8.0	0.5	19.0	63	8.0
4RZ0805F	8.0	0.5	19.0	100	8.0
4RZ0810	8.0	1.0	19.0	63	8.0
4RZ0810F	8.0	1.0	19.0	100	8.0
4RZ1005	10.0	0.5	22.0	72	10.0
4RZ1005F	10.0	0.5	22.0	100	10.0
4RZ1010	10.0	1.0	22.0	72	10.0
4RZ1010F	10.0	1.0	22.0	100	10.0
4RZ1020	10.0	2.0	22.0	72	10.0
4RZ1020F	10.0	2.0	22.0	100	10.0
4RZ1030	10.0	3.0	22.0	72	10.0
4RZ1205	12.0	0.5	26.0	83	12.0
4RZ1210	12.0	1.0	26.0	83	12.0
4RZ1210F	12.0	1.0	26.0	100	12.0
4RZ1220	12.0	2.0	26.0	83	12.0
4RZ1220F	12.0	2.0	26.0	100	12.0
4RZ1605	16.0	0.5	32.0	92	16.0
4RZ1610	16.0	1.0	32.0	92	16.0

4RZ Recommendations for Cutting Conditions

WORK Material	S45C,SKS,YK30		SCr,SNC,SKD		SCM,SUS403,NAK80		Ti-6Al-4V		PRE/HARDENED STEELS	
	<HRC30		<HRC30-45		<HRC35-40		<HRC40-45		<HRC45-60	
Order Code	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
4RZ0405	24000	3600	23000	3450	22000	3300	21000	3150	20000	3000
4RZ0505	23000	3450	22000	3300	21000	3150	20000	3000	19000	2850
4RZ0510	23000	3450	22000	3300	21000	3150	20000	3000	19000	2850
4RZ0605/F	22000	4120	21000	3930	20000	3750	19000	3560	18000	3000
4RZ0610/F	22000	4120	21000	3930	20000	3750	19000	3560	18000	3000
4RZ0805/F	20000	5000	19000	4750	18000	4500	17000	4250	16000	4000
4RZ0810/F	20000	5000	19000	4750	18000	4500	17000	4250	16000	4000
4RZ1005/F	18000	5140	17000	4850	16000	4570	15000	4280	14000	4000
4RZ1010/F	18000	5140	17000	4850	16000	4570	15000	4280	14000	4000
4RZ1020/F	18000	5140	17000	4850	16000	4570	15000	4280	14000	4000
4RZ1030	18000	5140	17000	4850	16000	4570	15000	4280	14000	4000
4RZ1205	17500	5000	16500	4710	15500	4420	14500	4140	13500	3850
4RZ1210/F	17500	5000	16500	4710	15500	4420	14500	4140	13500	3850
4RZ1220/F	17500	5000	16500	4710	15500	4420	14500	4140	13500	3850
4RZ1605	9300	2660	9100	2600	8900	2550	8700	2500	8500	2430
4RZ1610	9300	2660	9100	2600	8900	2550	8700	2500	8500	2430

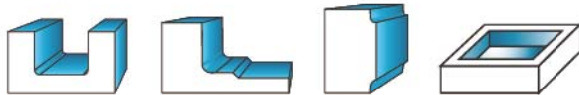
Max Milling Volume



SMG Corner Radius End Mills

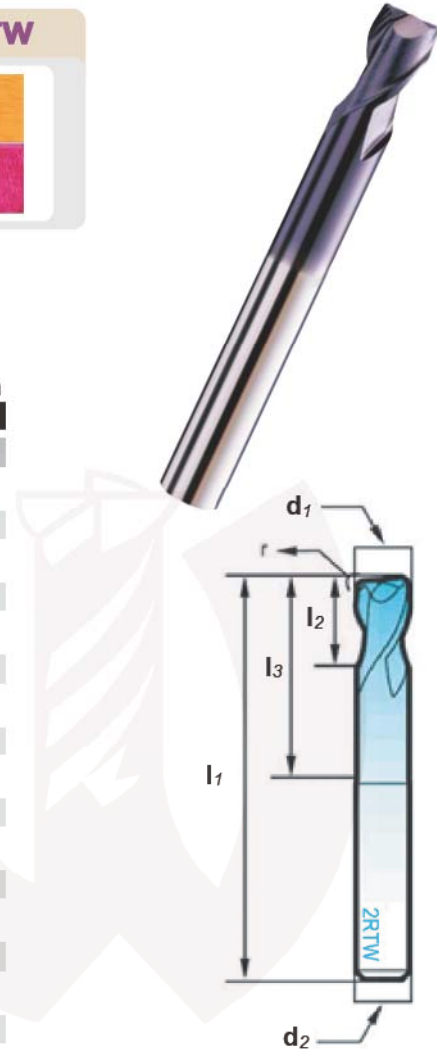
極細微粒圓鼻角立銑刀

2RTW



unit:mm

Order Code.	d ₁	r	l ₂	l ₃	l ₁	d ₂
型號	直徑	R角	刃長	有效長	全長	柄徑
2RTW0402	4.0	0.2	6	12	50	6
2RTW0405	4.0	0.5	6	12	50	6
2RTW0602	6.0	0.2	8	18	50	6
2RTW0605	6.0	0.5	8	18	50	6
2RTW0610	6.0	1.0	8	18	50	6
2RTW0802	8.0	0.2	10	24	60	8
2RTW0805	8.0	0.5	10	24	60	8
2RTW0810	8.0	1.0	10	24	60	8
2RTW1003	10.0	0.3	12	30	75	10
2RTW1005	10.0	0.5	12	30	75	10
2RTW1010	10.0	1.0	12	30	75	10
2RTW1020	10.0	2.0	12	30	75	10
2RTW1210	12.0	1.0	15	36	75	12
2RTW1220	12.0	2.0	15	36	75	12
2RTW1605	16.0	0.5	24	40	100	16
2RTW1610	16.0	1.0	24	40	100	16



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW

2RTW Recommendations for Cutting Conditions

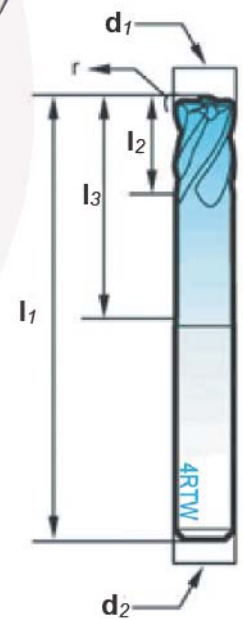
WORK Material	SCM.PDS3.PDS5.HPM		NAK80		SKD61		SKD11	
	HRC20~40		HRC40~50		HRC50~60		Up HRC60	
Order Code	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
2RTW0402	24000	2000	24000	2000	20000	1600	9500	570
2RTW0405	24000	2000	24000	2000	20000	1600	9500	570
2RTW0602	20000	2000	16000	1600	13000	1300	6400	640
2RTW0605	20000	2000	16000	1600	13000	1300	6400	640
2RTW0610	20000	2000	16000	1600	13000	1300	6400	640
2RTW0802	16000	1800	12000	1400	10000	1200	4800	570
2RTW0805	16000	1800	12000	1400	10000	1200	4800	570
2RTW0810	16000	1800	12000	1400	10000	1200	4800	570
2RTW1003	12000	1600	9500	1350	8000	1100	3800	450
2RTW1005	12000	1600	9500	1350	8000	1100	3800	450
2RTW1010	12000	1600	9500	1350	8000	1100	3800	450
2RTW1020	12000	1600	9500	1350	8000	1100	3800	450
2RTW1210	10000	1600	8000	1200	6600	1000	3200	450
2RTW1220	10000	1600	8000	1200	6600	1000	3200	450
2RTW1605	10000	1400	8500	1100	6500	900	3100	430
2RTW1610	10000	1400	8500	1100	6500	900	3100	430

D : Diameter XY ≤ 0.01 ~ 0.02D Z ≤ 0.01D

SMG Corner Radius End Mills

極細微粒圓鼻角立銑刀

4RTW



unit:mm

Order Code.	d ₁	r	l ₂	l ₃	l ₁	d ₂
型號	直徑	R角	刃長	有效長	全長	柄徑
4RTW0403	4.0	0.3	6	12	50	6
4RTW0405	4.0	0.5	6	12	50	6
4RTW0603	6.0	0.3	8	18	50	6
4RTW0605	6.0	0.5	8	18	50	6
4RTW0610	6.0	1.0	8	18	50	6
4RTW0803	8.0	0.3	10	24	60	8
4RTW0805	8.0	0.5	10	24	60	8
4RTW0810	8.0	1.0	10	24	60	8
4RTW1005	10.0	0.5	12	30	75	10
4RTW1010	10.0	1.0	12	30	75	10
4RTW1020	10.0	2.0	12	30	75	10
4RTW1030	10.0	3.0	12	30	75	10
4RTW1205	12.0	0.5	15	36	75	12
4RTW1210	12.0	1.0	15	36	75	12
4RTW1605	16.0	0.5	24	40	100	16
4RTW1610	16.0	1.0	24	40	100	16

4RTW Recommendations for Cutting Conditions

WORK Material	S45C.S50C		NAK80		SKD61		SKD11	
	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
Order Code	HRC20~40		HRC40~50		HRC50~60		Up HRC60	
4RTW0403	24000	2000	24000	2400	20000	1200	9500	570
4RTW0405	24000	2000	24000	2400	20000	1200	9500	570
4RTW0603	20000	4000	16000	3000	13000	2000	6400	1000
4RTW0605	20000	4000	16000	3000	13000	2000	6400	1000
4RTW0610	20000	4000	16000	3000	13000	2000	6400	1000
4RTW0803	16000	4000	12000	2700	10000	2000	4800	850
4RTW0805	16000	4000	12000	2700	10000	2000	4800	850
4RTW0810	16000	4000	12000	2700	10000	2000	4800	850
4RTW1005	12000	3000	9500	2000	8000	1500	3800	650
4RTW1010	12000	3000	9500	2000	8000	1500	3800	650
4RTW1020	12000	3000	9500	2000	8000	1500	3800	650
4RTW1030	12000	3000	9500	2000	8000	1500	3800	650
4RTW1205	10000	2400	8000	1800	6600	1500	3200	650
4RTW1210	10000	2400	8000	1800	6600	1500	3200	650
4RTW1605	10000	2300	8000	1700	6500	1400	3100	600
4RTW1610	10000	2300	8000	1700	6500	1400	3100	600

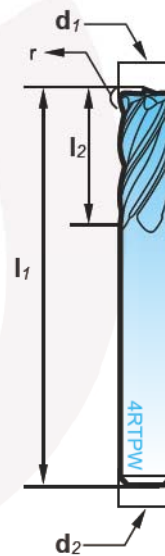
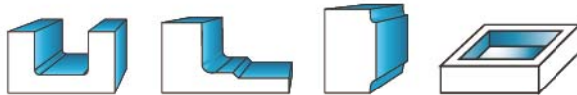
D : Diameter XY ≤ 0.01 ~ 0.02D Z ≤ 0.01D

- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW

SMG Corner Radius End Mills

極細微粒圓鼻角立銑刀

4RTPW



unit:mm

Order Code.	d ₁	r	l ₂	l ₁	d ₂
型號	直徑	R角	刃長	全長	柄徑
4RTPW0305	3.0	0.5	8	50	3
4RTPW0405	4.0	0.5	10	50	4
4RTPW0505	5.0	0.5	13	50	6
4RTPW0510	5.0	1.0	13	50	6
4RTPW0605	6.0	0.5	16	50	6
4RTPW0610	6.0	1.0	16	50	6
4RTPW0805	8.0	0.5	20	60	8
4RTPW0810	8.0	1.0	20	60	8
4RTPW1010	10.0	1.0	30	75	10
4RTPW1020	10.0	2.0	30	75	10
4RTPW1030	10.0	3.0	30	75	10
4RTPW1210	12.0	1.0	30	75	12
4RTPW1220	12.0	2.0	30	75	12
4RTPW1230	12.0	3.0	30	75	12
4RTPW1610	16.0	1.0	45	100	16
4RTPW1620	16.0	2.0	45	100	16
4RTPW1630	16.0	3.0	45	100	16

4RTPW Recommendations for Cutting Conditions

WORK Material	S45C,S50C		NAK80		SKD61		SKD11	
	HRC20~40		HRC40~50		HRC50~60		Up HRC60	
	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
4RTPW0305	11000	1100	10000	900	9000	800	8500	750
4RTPW0405	11000	1000	10000	900	9000	800	8500	750
4RTPW0605	10000	900	9000	800	8500	780	8300	750
4RTPW0610	10000	900	9000	800	8500	780	8300	750
4RTPW0805	9000	850	8500	800	8000	750	7500	700
4RTPW0810	9000	850	8500	800	8000	750	7500	700
4RTPW1010	8500	750	8000	750	7500	700	7000	680
4RTPW1020	8500	750	8000	750	7500	700	7000	680
4RTPW1030	8500	750	8000	750	7500	700	7000	680
4RTPW1210	8000	700	7500	650	7000	600	6500	550
4RTPW1220	8000	700	7500	650	7000	600	6500	550
4RTPW1230	8000	700	7500	650	7000	600	6500	550

D : Diameter

XY ≤ 0.01D Z ≤ 0.02D



2RTW

4RTW

4RTPW

3RTW

6RTW

RI

4RLT

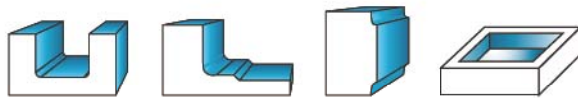
2RLT

3CRT

4RSW

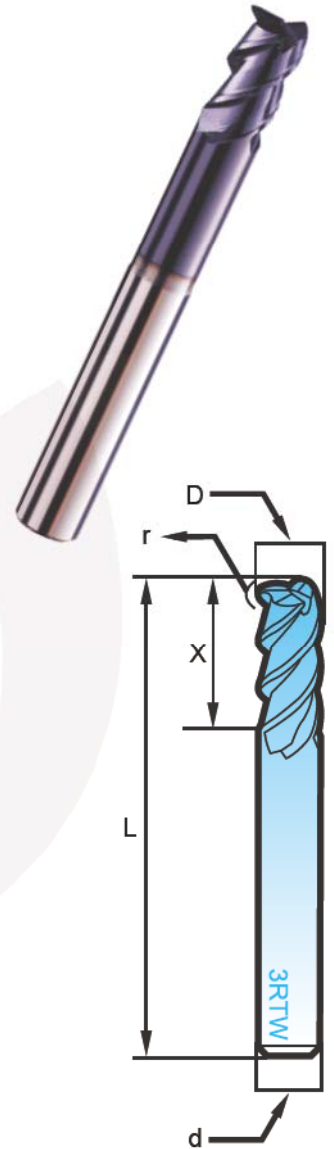
SMG Corner Radius End Mills

極細微粒圓鼻角立銑刀



unit:mm

Order Code.	d_1	r	l_2	l_3	l_1	d_2
型號	直徑	R角	刃長	有效長	全長	柄徑
3RTW0605	6.0	0.5	8	30	75	6
3RTW0805	8.0	0.5	10	40	100	8
3RTW1005	10.0	0.5	12	50	100	10
3RTW1010	10.0	1.0	12	50	100	10
3RTW1205	12.0	0.5	15	50	100	12

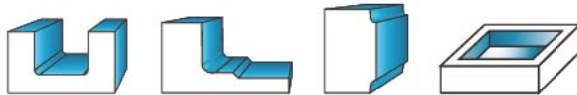


- 2RTW
- 4RTW
- 4RTPW
- 3RTW**
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW

SMG Corner Radius End Mills

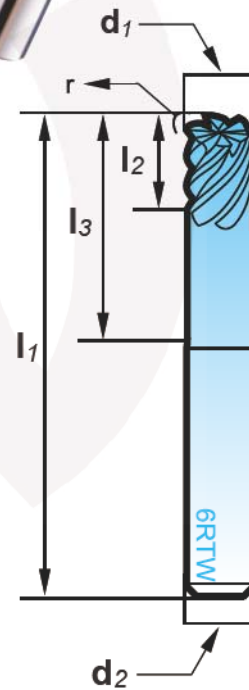
極細微粒圓鼻角立銑刀

6RTW



unit:mm

Order Code.	d_1	r	l_2	l_3	l_1	d_2
型號	直徑	R角	刃長	有效長	全長	柄徑
6RTW080	8.0	0.3	10	25	60	8
6RTW100	10.0	0.5	12	30	75	10
6RTW120	12.0	0.5	15	36	75	12
6RTW160	16.0	1	24	40	100	16



6RTW Recommendations for Cutting Conditions

WORK Material	S45C.P20S		SKD11.SUS403		Ti-6Al-4V	
	R.P.M.	Feed	R.P.M.	Feed	R.P.M.	Feed
6RTW060	16800	6090	8400	3045	4200	1470
6RTW080	12600	6090	6300	3045	3150	1470
6RTW100	9975	5985	5040	3045	2520	1470
6RTW120	8400	5040	4200	2520	2100	1260
6RTW160	6300	3780	3150	1890	1575	945

D : Diameter $Z \leq 1 \sim 1.5D$ $XY \leq 0.03D$



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW**
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW



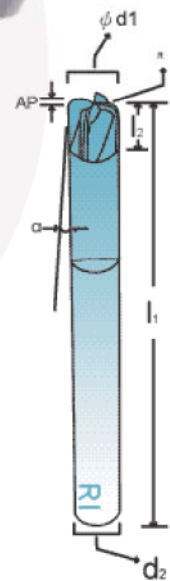
SMG Corner Radius End Mills

極細微粒直刃圓鼻刀



unit:mm

Order Code.	d ₁	l ₂	l ₁	d ₂	r	ap	α	Flute
型號	直徑	刃長	全長	柄徑	R角		斜度	刃數
3RIZ0302	3	7	57	6	0.2	0.7	0.5	3
3RIZ0302E	3	7	75	6	0.2	0.7	0.5	3
3RIZ0403	4	8	57	6	0.3	0.9	0.5	3
3RIZ0403E	4	8	75	6	0.3	0.9	0.5	3
3RIZ0505	5	10	57	6	0.5	0.9	0.5	3
3RIZ0505E	5	10	75	6	0.5	0.9	0.5	3
3RIW0605	6	10	57	6	0.5	1.0	0.5	3
3RIW0605E	6	10	75	6	0.5	1.0	0.5	3
3RIW0610	6	10	57	6	1.0	1.5	0.5	3
3RIW0610E	6	10	75	6	1.0	1.5	0.5	3
3RIW0805	8	16	63	8	0.5	1.0	0.5	3
3RIW0805F	8	16	100	8	0.5	1.0	0.5	3
3RIW0810	8	16	63	8	1.0	1.5	0.5	3
3RIW0810F	8	16	100	8	1.0	1.5	0.5	3
4RIW1005	10	19	72	10	0.5	1.5	0.5	4
4RIW1005F	10	19	100	10	0.5	1.5	0.5	4
4RIW1010	10	19	72	10	1.0	1.7	0.5	4
4RIW1010F	10	19	100	10	1.0	1.7	0.5	4
4RIW1205	12	22	83	12	0.5	1.5	0.5	4
4RIW1205F	12	22	100	12	0.5	1.5	0.5	4
4RIW1210	12	22	83	12	1.0	2.0	0.5	4
4RIW1210F	12	22	100	12	1.0	2.0	0.5	4
4RIW1220	12	22	83	12	2.0	2.0	0.5	4
4RIW1220F	12	22	100	12	2.0	2.0	0.5	4



2RTW

4RTW

4RTPW

3RTW

6RTW

RI

4RLT

2RLT

3CRT

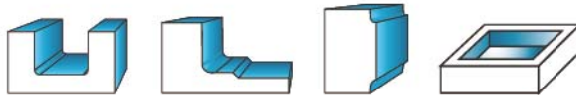
4RSW



SMG Long Shank Corner Radius End Mills

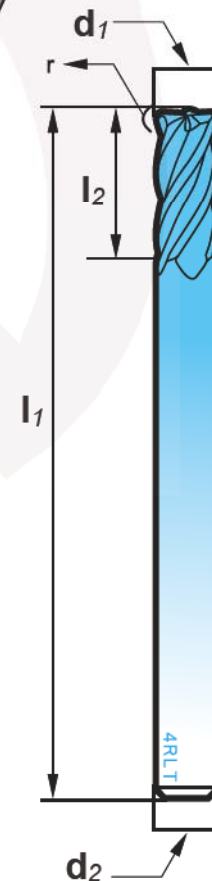
極細微粒長柄圓鼻角立銑刀

4RLT



Order Code.	d ₁	r	l ₂	l ₁	d ₂
型號	直徑	R角	刃長	全長	柄徑
4RLT0605	6.0	0.5	16	75	6
4RLT0610	6.0	1.0	16	75	6
4RLT0805	8.0	0.5	19	100	8
4RLT0810	8.0	1.0	19	100	8
4RLT1005	10.0	0.5	25	100	10
4RLT1010	10.0	1.0	25	100	10
4RLT1020	10.0	2.0	25	100	10
4RLT1210	12.0	1.0	30	100	12
4RLT1220	12.0	2.0	30	100	12

unit:mm



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT**
- 2RLT
- 3CRT
- 4RSW

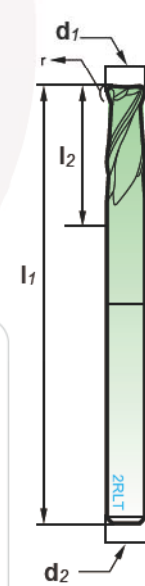
4RLT Recommendations for Cutting Conditions

WORK Material	S45C,S50C		SCM.SUS.(HPM)		NAK(HPM)		SKD61	
	HB150~250		HRC20~35		HRC40		HRC50	
Order Code	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
4RLT0605	5000	1000	3400	500	2860	400	1800	300
4RLT0610	5000	1000	3400	500	2860	400	1800	300
4RLT0805	3800	1000	3600	500	2200	400	1400	300
4RLT0810	3800	1000	3600	500	2200	400	1400	300
4RLT1005	3100	1000	2100	500	1800	400	1100	300
4RLT1010	3100	1000	2100	500	1800	400	1100	300
4RLT1020	3100	1000	2100	500	1800	400	1100	300
4RLT1210	2600	1000	1800	500	1500	400	1000	300
4RLT1220	2600	1000	1800	500	1500	400	1000	300

D : Diameter Z ≤ 0.01D XY ≤ 0.02D

SMG Long Shank Corner Radius End Mills

極細微粒長柄圓鼻角立銑刀



Order Code.	d ₁	r	l ₂	l ₁	d ₂
型號	直徑	R角	刃長	全長	柄徑
2RLT0605	6.0	0.5	16	75	6
2RLT0605F	6.0	0.5	16	100	6
2RLT0610	6.0	1.0	16	75	6
2RLT0610F	6.0	1.0	16	100	6
2RLT0805	8.0	0.5	19	100	8
2RLT0810	8.0	1.0	19	100	8
2RLT1005	10.0	0.5	25	100	10
2RLT1010	10.0	1.0	25	100	10
2RLT1020	10.0	2.0	25	100	10
2RLT1210	12.0	1.0	30	100	12
2RLT1220	12.0	2.0	30	100	12

2RLT Recommendations for Cutting Conditions

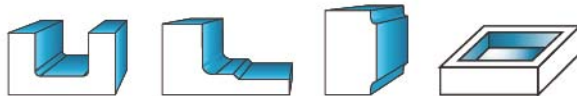
Order Code	S45C.S50C		SCM.SUS.(HPM)		NAK(HPM)		SKD61	
	R.P.M.	Feed	R.P.M.	Feed	R.P.M.	Feed	R.P.M.	Feed
2RLT0605	7000	750	6800	650	6700	600	6500	590
2RLT0605F	7000	750	6800	650	6700	600	6500	590
2RLT0610	7000	750	6800	650	6700	600	6500	590
2RLT0610F	7000	750	6800	650	6700	600	6500	590
2RLT0805	6500	630	6300	600	6100	590	6000	580
2RLT0810	6500	630	6300	600	6100	590	6000	580
2RLT1005	6000	580	5800	540	5700	500	5500	480
2RLT1010	6000	580	5800	540	5700	500	5500	480
2RLT1020	6000	580	5800	540	5700	500	5500	480
2RLT1210	5500	530	5300	500	5100	480	5000	470
2RLT1220	5500	530	5300	500	5100	480	5000	470

D : Diameter Z ≤ 0.01D XY ≤ 0.02D

- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT**
- 3CRT
- 4RSW

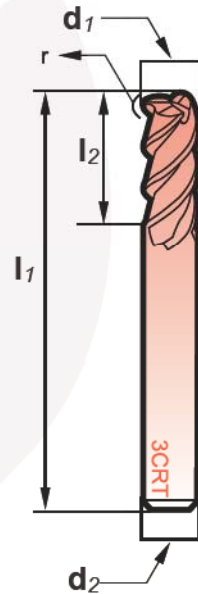
SMG Corner Radius End Mills

極細微粒銅鋁用圓鼻角立銑刀



unit:mm

Order Code.	d_1	r	l_2	l_1	d_2
型號	直徑	R角	刃長	全長	柄徑
3CRT0202	2.0	0.2	6	50	6
3CRT0302	3.0	0.2	10	50	6
3CRT0402	4.0	0.2	12	50	6
3CRT0603	6.0	0.3	18	50	6
3CRT0805	8.0	0.5	20	60	8
3CRT1005	10.0	0.5	30	75	10



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT**
- 4RSW

SMG Corner Radius End Mills

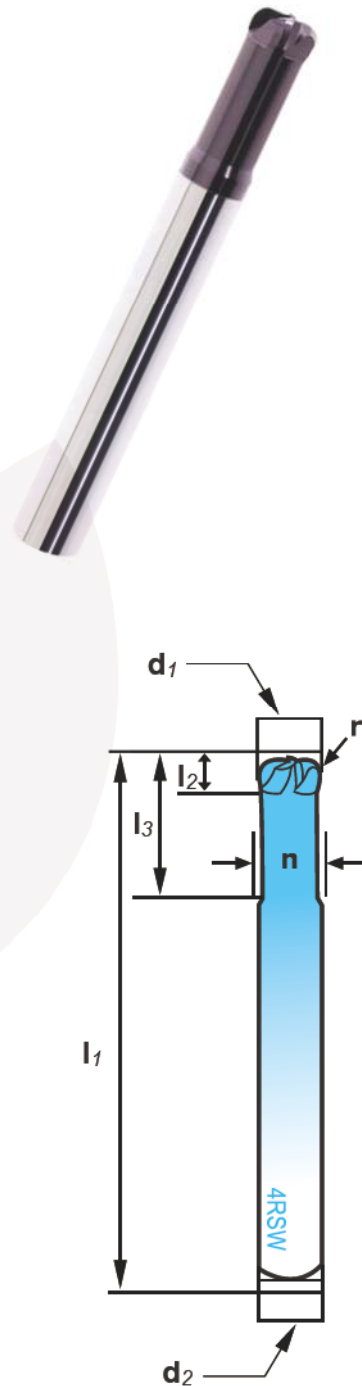
極細微粒直刃圓鼻刀



4RSW

unit:mm

Type No.	d ₁	n	r	l ₂	l ₃	l ₁	d ₂
型號	直徑	頸徑	R角	刃長	有效長	全長	柄徑
4RSW0203	2.0	1.8	0.3	0.8	5	50	6
4RSW0205	2.0	1.8	0.5	0.8	5	50	6
4RSW0308	3.0	2.7	0.8	1.2	8	50	6
4RSW0310	3.0	2.7	1.0	1.2	8	50	6
4RSW0405	4.0	3.6	0.5	1.6	10	50	6
4RSW0405E	4.0	3.6	0.5	1.6	10	75	6
4RSW0410	4.0	3.6	1.0	1.6	10	50	6
4RSW0410E	4.0	3.6	1.0	1.6	10	75	6
4RSW0610	6.0	5.4	1.0	2.5	13	50	6
4RSW0610E	6.0	5.4	1.0	2.5	13	75	6
4RSW0610F	6.0	5.4	1.0	2.5	13	100	6
4RSW0615	6.0	5.4	1.5	2.5	13	50	6
4RSW0615E	6.0	5.4	1.5	2.5	13	75	6
4RSW0615F	6.0	5.4	1.5	2.5	13	100	6
4RSW0810	8.0	7.2	1.0	3.5	16	60	8
4RSW0810F	8.0	7.2	1.0	3.5	16	100	8
4RSW0820	8.0	7.2	2.0	3.5	16	60	8
4RSW0820F	8.0	7.2	2.0	3.5	16	100	8
4RSW1010	10.0	9.0	1.0	4.0	20	75	10
4RSW1010F	10.0	9.0	1.0	4.0	20	100	10
4RSW1020	10.0	9.0	2.0	4.0	20	10	10
4RSW1020F	10.0	9.0	2.0	4.0	20	10	10
4RSW1220	12.0	8.8	2.0	5.0	25	12	12
4RSW1220F	12.0	8.8	2.0	5.0	25	12	12
4RSW1230	12.0	8.8	3.0	5.0	25	12	12
4RSW1230F	12.0	8.8	3.0	5.0	25	12	12



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW

4RSW Recommendations for Cutting Conditions

WORK Material Order Code	S45C.S50C		SCM.P20.PDS5.PDS3.SKD11		NAK 80		SKD61	
	HB150~250		HRC20~35		HRC35~45		HRC45~55	
	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed	R. P. M.	Feed
4RSW0203	15200	4990	15200	4500	10500	3120	4510	800
4RSW0205	15200	4990	15200	4500	10500	3120	4510	800
4RSW0308	9970	5900	9970	5200	8000	4200	3050	920
4RSW0310	9970	5900	9970	5200	8000	4200	3050	920
4RSW0405	7600	6000	7600	5600	5500	3900	3000	1000
4RSW0405E	7600	6000	7600	5600	5500	3900	3000	1000
4RSW0410	7600	6000	7600	5600	5500	3900	3000	1000
4RSW0410E	7600	6000	7600	5600	5500	3900	3000	1000
4RSW0610	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0610E	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0610F	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0615	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0615E	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0615F	5500	6650	5100	6000	3510	4100	1500	1000
4RSW0810	4000	6500	4000	5500	3000	4200	1200	900
4RSW0810F	4000	6500	4000	5500	3000	4200	1200	900
4RTW0820	4000	6500	4000	5500	3000	4200	1200	900
4RTW0820F	4000	6500	4000	5500	3000	4200	1200	900
4RTW1010	3300	6300	4500	6000	2000	2700	3000	1000
4RTW1010F	3300	6300	4500	6000	2000	2700	3000	1000
4RTW1020	3300	6300	4500	6000	2000	2700	3000	1000
4RTW1020F	3300	6300	4500	6000	2000	2700	3000	1000
4RTW1220	3200	6200	3200	5600	2000	2700	3000	970
4RTW1220F	3200	6200	3200	5600	2000	2700	3000	970
4RTW1230	3200	6200	3200	5600	2000	2700	3000	970
4RTW1230F	3200	6200	3200	5600	2000	2700	3000	970

D: Diameter

$XY \leq 0.01D$ $Z \leq 0.01D$



- 2RTW
- 4RTW
- 4RTPW
- 3RTW
- 6RTW
- RI
- 4RLT
- 2RLT
- 3CRT
- 4RSW**