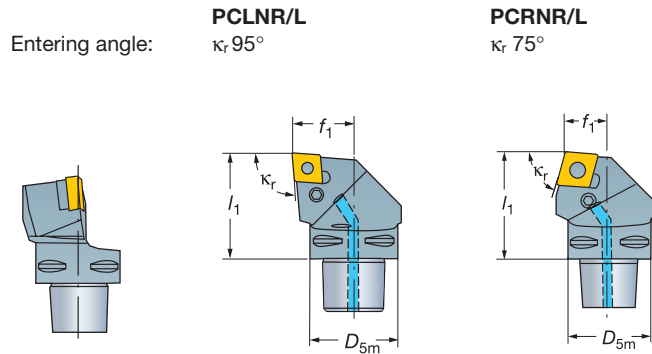


Coromant Capto® cutting units

T-Max P lever design



- CNMM, CNGP
- CNMG
- CNMA, CNGA



Right hand style shown when nothing else is stated

κ_r	Main application		Ordering code	Dimensions, mm					Gauge inserts
				D_{5m}	f_1	l_1	$\gamma^1)$	$\lambda_s^2)$	
95°		12	C3-PCLNR/L-22040-12	32	22.0	40	-6°	-6°	CNMG 12 04 08
			C4-PCLNR/L-27050-12	40	27.0	50	-6°	-6°	CNMG 12 04 08
			C5-PCLNR/L-35060-12	50	35.0	60	-6°	-6°	CNMG 12 04 08
			C6-PCLNR/L-45065-12	63	45.0	65	-6°	-6°	CNMG 12 04 08
			C8-PCLNR/L-55080-12	80	55.0	80	-6°	-6°	CNMG 12 04 08
		16	C4-PCLNR/L-27050-16	40	27.0	50	-6°	-6°	CNMG 16 06 12
			C5-PCLNR/L-35060-16	50	35.0	60	-6°	-6°	CNMG 16 06 12
			C6-PCLNR/L-45065-16	63	45.0	65	-6°	-6°	CNMG 16 06 12
			C8-PCLNR/L-55080-16	80	55.0	80	-6°	-6°	CNMG 16 06 12
			19	C5-PCLNR/L-35060-19	50	35.0	60	-6°	-6°
	C6-PCLNR/L-45065-19	63	45.0	65	-6°	-6°	CNMG 19 06 12		
	C8-PCLNR/L-55080-19	80	55.0	80	-6°	-6°	CNMG 19 06 12		
75°		12	C5-PCRNRL/L-27060-12	50	27.0	60	-6°	-6°	CNMG 12 04 08
			C6-PCRNRL/L-35065-12	63	35.0	65	-6°	-6°	CNMG 12 04 08
		16	C5-PCRNRL/L-27060-16	50	27.0	60	-6°	-6°	CNMG 16 06 12
			C6-PCRNRL/L-35065-16	63	35.0	65	-6°	-6°	CNMG 16 06 12
		19	C5-PCRNRL/L-27060-19	50	27.0	60	-6°	-6°	CNMG 19 06 12
			C6-PCRNRL/L-35065-19	63	35.0	65	-6°	-6°	CNMG 19 06 12

¹⁾ γ = Rake angle (valid with flat insert).

²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C3-PCLNR-22040-12
C3-PCLNL-22040-12

R = Right hand, L = Left hand

Main spare parts

Insert size	Lever	Screw	Key (mm)	Shim
09	174.3-840M	174.3-820M	170.3-860 (2.5)	5322 230-02
12	174.3-841M	174.3-821	174.3-864 (3.0)	171.31-850M
16	438.3-840	438.3-831	174.1-864 (3.0)	171.31-852
19	174.3-842M	174.3-822M	3021 010-040 (4.0)	171.31-851M
25	174.3-844M	174.3-827	3021 010-050 (5.0)	5322 230-01



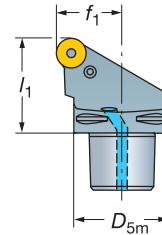
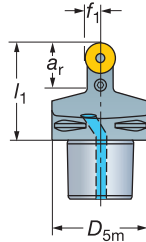
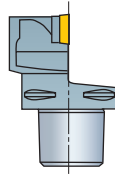
Coromant Capto® cutting units

T-Max P lever design

RCMX
RCMT

PRDCN

PRSCR/L



(neutral)

Right hand style shown when nothing else is stated

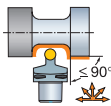
Main application

Ordering code

Dimensions, mm

 a_r D_{5m} f_1 l_1 γ^1 λ_s^2

Gauge inserts



25

C6-PRDCN-00065-25A

40

63

12.5

65

0°

0°

RCMX 25 07 00

C8-PRDCN-00080-25A

40

80

12.5

80

0°

0°

RCMX 25 07 00

32

C8-PRDCN-00080-32A

45

80

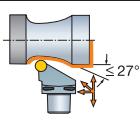
16.0

80

0°

0°

RCMX 32 09 00



20

C8-PRSCR/L-55080-20

80

80

55.0

80

0°

0°

RCMX 20 06 00

25

C6-PRSCR/L-45065-25

63

45.0

65

0°

0°

RCMX 25 07 00

C8-PRSCR/L-55080-25

80

55.0

80

0°

0°

RCMX 25 07 00

32

C8-PRSCR/L-55080-32

80

55.0

80

0°

0°

RCMX 32 09 00

¹⁾ γ = Rake angle (valid with flat insert).²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C6-PRDCN-00065-25A

C8-PRSCR-55080-20

R = Right hand, L = Left hand C8-PRSCR-55080-20

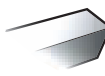
Main spare parts

Insert size

ISO	Lever	Screw	Key (mm)	Shim
20	176.39-843	174.3-825	174.1-864 (3.0)	176.39-853
25	176.39-844	174.3-832	3021 010-040 (4.0)	176.39-854
32	176.39-845	174.3-827	3021 010-050 (5.0)	176.39-855



A9



A108



A282



G6



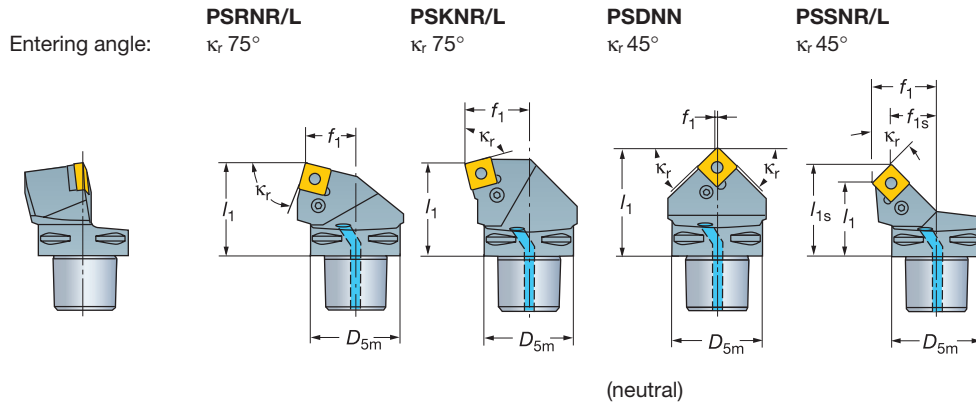
A2

Coromant Capto® cutting units

T-Max P lever design



- SNMM
- SNMG
- SNMA, SNGA



Right hand style shown when nothing else is stated

κ_r	Main application	□	Ordering code	Dimensions, mm							Gauge inserts
				D_{5m}	f_1	f_{1s}	l_1	l_{1s}	γ^1	λ_s^2	
75°		12	C3-PSRNR/L-17040-12	32	17.0		40		-6°	-6°	SNMG 12 04 08
			C4-PSRNR/L-22050-12	40	22.0		50		-6°	-6°	SNMG 12 04 08
			C5-PSRNR/L-27060-12	50	27.0		60		-6°	-6°	SNMG 12 04 08
			C6-PSRNR/L-35065-12	63	35.0		65		-6°	-6°	SNMG 12 04 08
			C5-PSRNR/L-27060-15	50	27.0		60		-6°	-6°	SNMG 15 06 12
			C6-PSRNR/L-35065-15	63	35.0		65		-6°	-6°	SNMG 15 06 12
			C5-PSRNR/L-27060-19	50	27.0		60		-6°	-6°	SNMG 19 06 12
			C6-PSRNR/L-35065-19	63	35.0		65		-6°	-6°	SNMG 19 06 12
75°		12	C4-PSKNR/L-27050-12	40	27.0		50		-6°	-6°	SNMG 12 04 08
			C5-PSKNR/L-35060-12	50	35.0		60		-6°	-6°	SNMG 12 04 08
			C6-PSKNR/L-45065-12	63	45.0		65		-6°	-6°	SNMG 12 04 08
			C5-PSKNR/L-35060-15	50	35.0		60		-6°	-6°	SNMG 15 06 12
			C6-PSKNR/L-45065-15	63	45.0		65		-6°	-6°	SNMG 15 06 12
			C5-PSKNR/L-35060-19	50	35.0		60		-6°	-6°	SNMG 19 06 12
			C6-PSKNR/L-45065-19	63	45.0		65		-6°	-6°	SNMG 19 06 12
			C8-PSKNR/L-55080-19	80	55.0		80		-6°	-6°	SNMG 19 06 12
45°		12	C4-PSDNN-00050-12	40	0.3		50		-6°	-6°	SNMG 12 04 08
			C5-PSDNN-00060-12	50	0.3		60		-6°	-6°	SNMG 12 04 08
			C6-PSDNN-00065-12	63	0.3		65		-6°	-6°	SNMG 12 04 08
			C4-PSDNN-00050-15	40	0.5		50		-6°	-6°	SNMG 15 06 12
			C5-PSDNN-00060-15	50	0.5		60		-6°	-6°	SNMG 15 06 12
			C6-PSDNN-00065-15	63	0.5		65		-6°	-6°	SNMG 15 06 12
			C5-PSDNN-00060-19	50	0.5		60		-6°	-6°	SNMG 19 06 12
			C6-PSDNN-00065-19	63	0.5		65		-6°	-6°	SNMG 19 06 12
45°		12	C3-PSSNR/L-22032-12	32	22.0	13.7	32	40.3	-8°	0°	SNMG 12 04 08
			C4-PSSNR/L-27042-12	40	27.0	18.7	42	50.3	-8°	0°	SNMG 12 04 08
			C5-PSSNR/L-35052-12	50	35.0	26.7	52	60.3	-8°	0°	SNMG 12 04 08
			C6-PSSNR/L-45056-12	63	45.0	36.7	56	64.3	-8°	0°	SNMG 12 04 08
45°		15	C6-PSSNR/L-45054-15	63	45.0	34.8	54	64.2	-8°	0°	SNMG 15 06 12
			19	C6-PSSNR/L-45052-19	63	45.0	32.5	52	64.5	-8°	0°

¹⁾ γ = Rake angle (valid with flat insert).

²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C3-PSRNR-17040-12

C3-PSRNL-17040-12

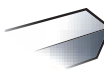
R = Right hand, L = Left hand

Main spare parts

Insert size	Lever	Screw	Key (mm)	Shim
□				
09	174.3-840M	174.3-820M	170.3-860 (2.5)	174.3-850
12	174.3-841M	174.3-821	174.1-864 (3.0)	174.3-850M
15	438.3-840	438.3-831	174.1-864 (3.0)	174.3-857
19	174.3-842M	174.3-822M	3021 010-040 (4.0)	174.3-852M
25	174.3-844M	174.3-827	3021 010-050 (5.0)	174.3-853M



A9



A109



A282



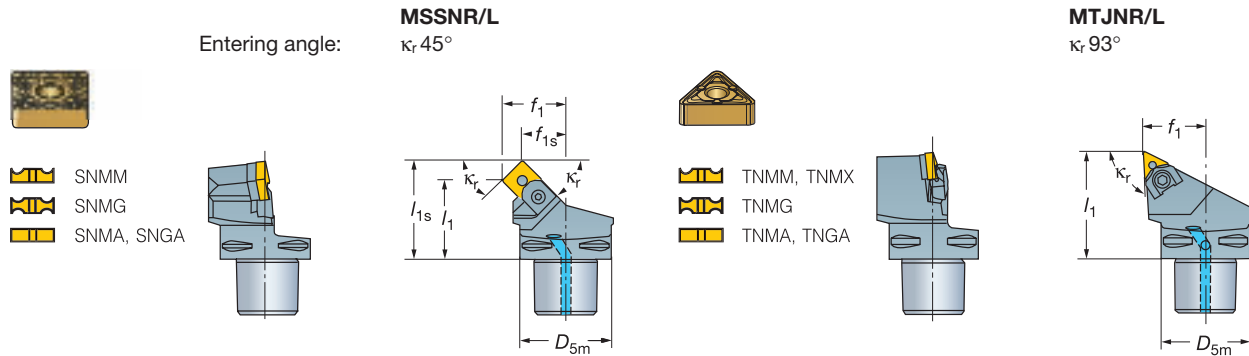
G6



A2

Coromant Capto® cutting units

T-Max P wedge clamp design



Right hand style shown when nothing else is stated

κ _r	Main application	Ordering code	Dimensions, mm						Gauge inserts	
			D _{5m}	f ₁	f _{1s}	l ₁	l _{1s}	γ ¹⁾		λ _s ²⁾
45°		C8-MSSNR/L-55070-25	80	55.0	39	70	86.0	-8°	0°	SNMG 25 07 24

¹⁾ γ = Rake angle (valid with flat insert).
²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C8-MSSNR-55070-25
 C8-MSSNL-55070-25
 R = Right hand, L = Left hand

κ _r	Main application	Ordering code	Dimensions, mm					Gauge inserts
			D _{5m}	f ₁	l ₁	γ ¹⁾	λ _s ²⁾	
93°		C3-MTJNR/L-22040-16	32	22.0	40	-6°	-6°	TNMG 16 04 08
		C4-MTJNR/L-27050-16	40	27.0	50	-6°	-6°	TNMG 16 04 08
		C5-MTJNR/L-35060-16	50	35.0	60	-6°	-6°	TNMG 16 04 08
		C4-MTJNR/L-27050-22	40	27.0	50	-6°	-6°	TNMG 22 04 08
		C5-MTJNR/L-35060-22	50	35.0	60	-6°	-6°	TNMG 22 04 08
		C6-MTJNR/L-45065-22	63	45.0	65	-6°	-6°	TNMG 22 04 08
		C6-MTJNR/L-45065-27	63	45.0	65	-6°	-6°	TNMG 27 06 12

¹⁾ γ = Rake angle (valid with flat insert).
²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C3-MTJNR-22040-16
 C3-MTJNL-22040-16
 R = Right hand, L = Left hand

Main spare parts

Insert size	Wedge clamp set	Key (mm)	Shim	Pin	Screw	Key (mm)
25	181.38-826-1	3021 010-050 (5.0)	181.38-852	181.38-842	3021 100-357	3021 010-040 (4.0)
16	170.38-820-1	174.1-863 (2.5)	170.3-852	5313 021-02	3212 010-206	174.1-863 (2.5)
22	170.38-820-1	174.1-864 (3.0)	170.3-855	181.38-840	3212 010-255	174.1-864 (3.0)
27	170.38-822-1	174.1-864 (3.0)	170.3-854	5313 021-04	3212 100-307	3021 010-040 (4.0)



Coromant Capto® cutting units

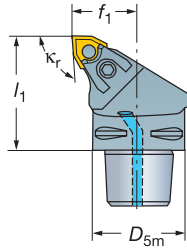
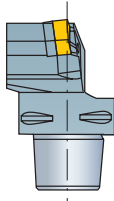
T-Max P wedge clamp design



- WNNM,
- WNMG
- WNGA, WNMA

Entering angle:

MWLNR/L
 $\kappa_r 95^\circ$



Right hand style shown when nothing else is stated

κ_r	Main application		Ordering code	Dimensions, mm					Gauge inserts
				D_{5m}	f_1	l_1	γ^1	λ_s^2	
95°			06 C3-MWLNR/L-22040-06	32	22.0	40	-6°	-6°	WNMG 06 04 08
			C4-MWLNR/L-27050-06	40	27.0	50	-6°	-6°	WNMG 06 04 08
			08 C4-MWLNR/L-27050-08	40	27.0	50	-6°	-6°	WNMG 08 04 08
			C5-MWLNR/L-35060-08	50	35.0	60	-6°	-6°	WNMG 08 04 08

¹⁾ γ = Rake angle (valid with flat insert).
²⁾ λ_s = Angle of inclination.

Ordering example: 2 pieces C3-MWLNR-22040-06
C3-MWLNL-22040-06
R = Right hand, L = Left hand

Main spare parts

Insert size	Wedge clamp set	Key (mm)	Shim	Pin	Screw	Key (mm)
06	5431 125-011	170.3-860 (2.5)	5322 331-06	5313 022-01	5512 030-03	170.3-864 (1.98)
08	5431 125-021	174.1-864 (3.0)	5322 331-07	5313 022-03	3212 010-255	174.1-864 (3.0)



A9



A115



A288



G6



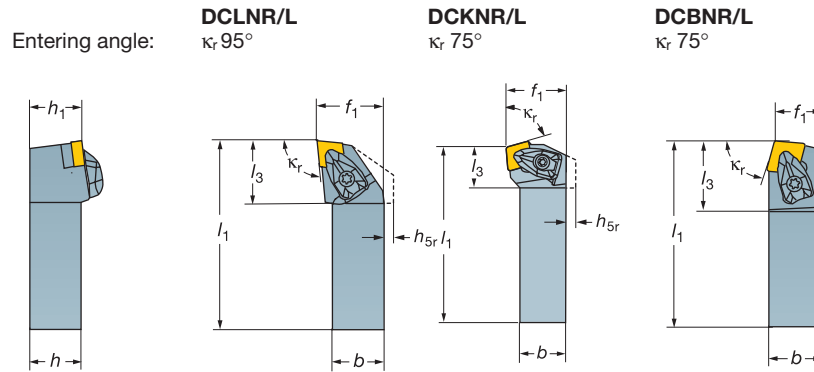
A2

Shank tools

CoroTurn® RC rigid clamp design



- CNMM, CNGP
- CNMG
- CNMA, CNGA



Right hand style shown when nothing else is stated

κ_r	Main application	Ordering code	Dimensions, mm										Gauge inserts	Nm ³⁾
			b	f ₁	h	h ₁	h _{5r}	l ₁	l ₃	$\gamma^1)$	$\lambda_s^2)$			
95°		09 DCLNR/L 1616H 09	16	20.0	16	16		100	24.8	-6°	-6°	CNMG 09 03 08	1.7	
		DCLNR/L 2020K 09	20	25.0	20	20		125	24.8	-6°	-6°	CNMG 09 03 08	1.7	
		DCLNR/L 2525M 09	25	32.0	25	25		150	24.8	-6°	-6°	CNMG 09 03 08	1.7	
		12 DCLNR/L 1616H 12	16	20.0	16	16	4.5	100	32.2	-6°	-6°	CNMG 12 04 08	3.9	
		DCLNR/L 2020K 12	20	25.0	20	20		125	32.0	-6°	-6°	CNMG 12 04 08	3.9	
		DCLNR/L 2525M 12	25	32.0	25	25		150	32.0	-6°	-6°	CNMG 12 04 08	3.9	
		DCLNR/L 3225P 12	25	32.0	32	32		170	32.0	-6°	-6°	CNMG 12 04 08	3.9	
		DCLNR/L 3232P 12	32	40.0	32	32		170	32.2	-6°	-6°	CNMG 12 04 08	3.9	
		DCLNR/L 4040S 12	40	50.0	40	40		250	32.2	-6°	-6°	CNMG 12 04 08	3.9	
		16 DCLNR/L 2525M 16	25	32.0	25	25		150	39.0	-6°	-6°	CNMG 16 06 12	6.4	
DCLNR/L 3225P 16	25	32.0	32	32		170	39.0	-6°	-6°	CNMG 16 06 12	6.4			
DCLNR/L 3232P 16	32	40.0	32	32		170	39.0	-6°	-6°	CNMG 16 06 12	6.4			
19 DCLNR/L 2525M 19	25	32.0	25	25	1.0	150	43.7	-6°	-6°	CNMG 19 06 12	6.4			
DCLNR/L 3232P 19	32	40.0	32	32		170	43.2	-6°	-6°	CNMG 19 06 12	6.4			
DCLNR/L 4040S 19	40	50.0	40	40		250	43.4	-6°	-6°	CNMG 19 06 12	6.4			
25 DCLNR/L 4040S 25	40	50.0	40	40		250	53.2	-6°	-6°	CNMG 25 09 24	9.5			
DCLNR/L 5050T 25	50	60.0	50	50		300	53.2	-6°	-6°	CNMG 25 09 24	9.5			
75°		12 DCKNR/L 2020K 12	20	25.0	20	20	4.5	125	21.2	-6°	-6°	CNMG 12 04 08	3.9	
		DCKNR/L 2525M 12	25	32.0	25	25		150	21.1	-6°	-6°	CNMG 12 04 08	3.9	
		DCKNR/L 3225P 12	25	32.0	32	32		170	21.1	-6°	-6°	CNMG 12 04 08	3.9	
		DCKNR/L 3232P 12	32	40.0	32	32		170	26.0	-6°	-6°	CNMG 16 06 12	6.4	
16 DCKNR/L 4040S 16	40	50.0	40	40		250	23.1	-6°	-6°	CNMG 16 06 12	6.4			
75°		12 DCBNR/L 2020K 12	20	17.0	20	20		125	34.2	-6°	-6°	CNMG 12 04 08	3.9	
		DCBNR/L 2525M 12	25	22.0	25	25		150	34.6	-6°	-6°	CNMG 12 04 08	3.9	
		DCBNR/L 3225P 12	25	22.0	32	32		170	34.6	-6°	-6°	CNMG 12 04 08	3.9	
		DCBNR/L 3232P 12	32	27.0	32	32		170	34.2	-6°	-6°	CNMG 12 04 08	3.9	
		DCBNR/L 4040S 12	40	35.0	40	40		250	34.8	-6°	-6°	CNMG 12 04 08	3.9	
		16 DCBNR/L 2525M 16	25	22.0	25	25		150	41.5	-6°	-6°	CNMG 16 06 12	6.4	
		DCBNR/L 3225P 16	25	22.0	32	32		170	32.0	-6°	-6°	CNMG 16 06 12	6.4	
		DCBNR/L 3232P 16	32	27.0	32	32		170	41.6	-6°	-6°	CNMG 16 06 12	6.4	
		DCBNR/L 4040S 16	40	35.0	40	40		250	42.3	-6°	-6°	CNMG 16 06 12	6.4	
		19 DCBNR/L 3232P 19	32	27.0	32	32		170	46.1	-6°	-6°	CNMG 19 06 12	6.4	
DCBNR/L 4040S 19	40	35.0	40	40		250	46.7	-6°	-6°	CNMG 19 06 12	6.4			

¹⁾ γ = Rake angle (valid with flat insert).

²⁾ λ_s = Angle of inclination.

³⁾ Insert tightening torque Nm

Ordering example: 2 pieces DCLNR 1616H 09
DCLNL 1616H 09

R = Right hand, L = Left hand

Main spare parts

Insert size						
Shank size	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)	
09 1616 - 2525	5513 020-04	5322 236-04	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)	
12 1616	5513 020-02	5322 236-03	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)	
12 2020 - 4040	5513 020-02	5322 234-01	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)	
16 2525 - 4040	5513 020-07	5322 234-03	5680 043-14 (20IP)	5412 028-031 ¹⁾	5680 043-14 (20IP)	
19 2525 - 4040	5513 020-07	5322 236-01	5680 043-14 (20IP)	5412 028-041	5680 043-14 (20IP)	
25 4040 - 5050	5513 020-08	5322 234-05	5680 043-15 (25IP)	5412 028-051	5680 043-15 (25IP)	

¹⁾ Optional clamp and to modify CoroTurn® RC holders for other inserts, see page A281



A9



A85



A276



G6



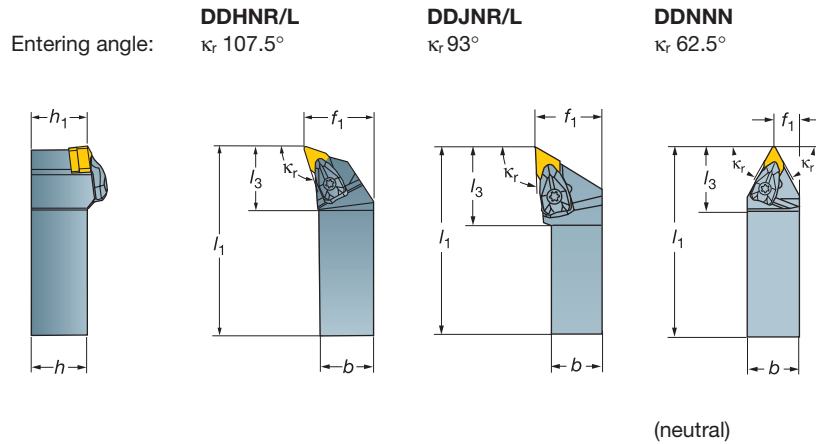
A2

Shank tools

CoroTurn® RC rigid clamp design



- DNMM, DNGP, DNMX
- DNMG
- DNMA, DNMA



Right hand style shown when nothing else is stated

κ _r	Main application	Ordering code	Dimensions, mm								Gauge inserts	Nm ³⁾
			b	f ₁	h	h ₁	l ₁	l ₃	γ ¹⁾	λ _s ²⁾		
107.5°		15 DDHNR/L 2020K 15	20	25.0	20	20	125	36.1	-6°	-7°	DNMG 15 06 08	3.9
		DDHNR/L 2525M 15	25	32.0	25	25	150	36.1	-6°	-7°	DNMG 15 06 08	3.9
		DDHNR/L 3225P 15	25	32.0	32	32	170	36.1	-6°	-7°	DNMG 15 06 08	3.9
		DDHNR/L 3232P 15	32	40.0	32	32	170	36.1	-6°	-7°	DNMG 15 06 08	3.9
93°		11 DDJNR/L 1616H 11	16	20.0	16	16	100	30.1	-6°	-7°	DNMG 11 04 08	1.7
		DDJNR/L 2020K 11	20	25.0	20	20	125	30.2	-6°	-7°	DNMG 11 04 08	1.7
		DDJNR/L 2525M 11	25	32.0	25	25	150	30.2	-6°	-7°	DNMG 11 04 08	1.7
		DDJNR/L 3225P 11	25	32.0	32	32	170	30.2	-6°	-7°	DNMG 11 04 08	1.7
		DDJNR/L 3232P 11	32	40.0	32	32	170	30.1	-6°	-7°	DNMG 11 04 08	1.7
		15 DDJNR/L 2020K 15	20	25.0	20	20	125	39.4	-6°	-7°	DNMG 15 06 08	3.9
62.5°		11 DDJNR/L 2525M 15	25	32.0	25	25	150	39.4	-6°	-7°	DNMG 15 06 08	3.9
		DDJNR/L 3225P 15	25	32.0	32	32	170	39.4	-6°	-7°	DNMG 15 06 08	3.9
		DDJNR/L 3232P 15	32	40.0	32	32	170	39.4	-6°	-7°	DNMG 15 06 08	3.9
		DDJNR/L 4040S 15	40	50.0	40	40	250	39.6	-6°	-7°	DNMG 15 06 08	3.9
		11 DDNNN 2020K 11	20	10.5	20	20	125	31.2	-5°	-9°	DNMG 11 04 08	1.7
		DDNNN 2525M 11	25	13.0	25	25	150	31.2	-5°	-9°	DNMG 11 04 08	1.7
15		DDNNN 2525M 15	25	13.0	25	25	150	40.8	-5°	-9°	DNMG 15 06 08	3.9
		DDNNN 3225P 15	25	13.0	32	32	170	40.8	-5°	-9°	DNMG 15 06 08	3.9
		DDNNN 3232P 15	32	16.5	32	32	170	40.8	-5°	-9°	DNMG 15 06 08	3.9
		DDNNN 4040S 15	40	20.5	40	40	250	40.8	-5°	-9°	DNMG 15 06 08	3.9

1) γ = Rake angle (valid with flat insert).

2) λ_s = Angle of inclination.

3) Insert tightening torque Nm

Ordering example: 2 pieces DDHNR 2020K 15
DDHNL 2020K 15

R = Right hand, L = Left hand

Main spare parts

Insert size	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
11	5513 020-04	5322 267-01	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
15	5513 020-02	5322 266-02	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)

1) Optional clamp and to modify CoroTurn® RC holders for other inserts, see page A281



A9



A86



A276



G6



A2

Shank tools

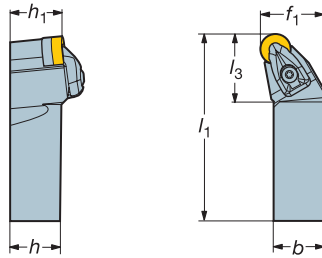
CoroTurn® RC rigid clamp design

Neg.

DRSNR/L



RNMG
RNGA



Right hand style shown when nothing else is stated

Main application	Ø	Ordering code	Dimensions, mm								Gauge inserts	Nm ³⁾
			b	f ₁	h	h ₁	l ₁	l ₃	γ ¹⁾	λ _s ²⁾		
	09	DRSNR/L 2020K 09	20	25.0	20	20	125	24.4	-6°	-6°	RNMG 09 03 00	1.7
	12	DRSNR/L 2525M 12	25	32.0	25	25	150	31.6	-6°	-6°	RNMG 12 04 00	3.9
	15	DRSNR/L 3225P 15	25	32.0	32	32	170	38.5	-6°	-6°	RNMG 15 06 00	6.4
	19	DRSNR/L 3232P 19	32	40.0	32	32	170	42.6	-6°	-6°	RNMG 19 06 00	6.4
	25	DRSNR/L 4040S 25	40	50.0	40	40	250	50.5	-6°	-6°	RNMG 25 09 00	9.5

1) γ = Rake angle (valid with flat insert).

2) λ_s = Angle of inclination.

3) Insert tightening torque Nm

Ordering example: 2 pieces DRSNR 2020K 09

DRSNL 2020K 09

R = Right hand, L = Left hand

Main spare parts

Insert size	Main spare parts				
	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
Ø 09	5513 020-04	5322 156-01	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
12	5513 020-02	5322 155-02	5680 049-01 (15IP)	5412 028-021	5680 049-01 (15IP)
15	5513 020-07	5322 155-04	5680 043-14 (20IP)	5412 028-031	5680 043-14 (20IP)
19	5513 020-07	5322 155-06	5680 043-14 (20IP)	5412 028-041	5680 043-14 (20IP)
25	5513 020-08	5322 155-07	5680 043-15 (25IP)	5412 028-051	5680 043-15 (25IP)



A9



A87



A276



G6



A2

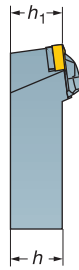
Shank tools

CoroTurn® RC rigid clamp design

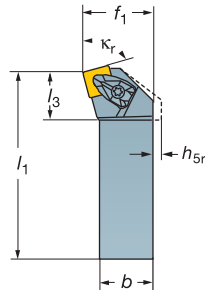


- SNMM
- SNMG
- SNMA, SNGA

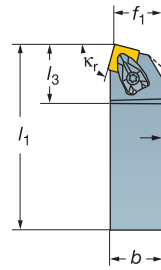
Entering angle:



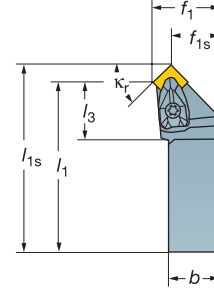
DSKNR/L
 κ_r 75°



DSBNR/L
 κ_r 75°



DSSNR/L
 κ_r 45°



Right hand style shown when nothing else is stated

κ_r	Main application	Ordering code	Dimensions, mm										Gauge inserts	Nm ³⁾	
			b	f ₁	f _{1s}	h	h ₁	l ₁	h _{5r}	l _{1s}	l ₃	γ ¹⁾			λ_s ²⁾
75°		09 DSKNR/L 2020K 09	20	25.0		20	20	125			18.2	-6°	-6°	SNMG 09 03 08	1.7
		12 DSKNR/L 2020K 12	20	25.0		20	20	125	4.5		23.6	-6°	-6°	SNMG 12 04 08	3.9
		DSKNR/L 2525M 12	25	32.0		25	25	150			23.6	-6°	-6°	SNMG 12 04 08	3.9
		DSKNR/L 3225P 12	25	32.0		32	32	170			23.5	-6°	-6°	SNMG 12 04 08	3.9
		15 DSKNR/L 3232P 15	32	40.0		32	32	170			28.9	-6°	-6°	SNMG 15 06 12	6.4
		19 DSKNR/L 3232P 19	32	40.0		32	32	170			32.1	-6°	-6°	SNMG 19 06 12	6.4
75°		09 DSKNR/L 4040S 19	40	50.0		40	40	250			29.6	-6°	-6°	SNMG 19 06 12	6.4
		25 DSKNR/L 5050T 25	50	60.0		50	50	300			35.2	-6°	-6°	SNMG 25 07 24	9.5
		09 DSBNR/L 1616H 09	16	13.0		16	16	100	1.0		26.7	-6°	-6°	SNMG 09 03 08	1.7
		DSBNR/L 2020K 09	20	17.0		20	20	125			26.7	-6°	-6°	SNMG 09 03 08	1.7
		DSBNR/L 2525M 09	25	22.0		25	25	150			26.7	-6°	-6°	SNMG 09 03 08	1.7
		12 DSBNR/L 2020K 12	20	17.0		20	20	125	2.5		34.2	-6°	-6°	SNMG 12 04 08	3.9
		DSBNR/L 2525M 12	25	22.0		25	25	150			34.3	-6°	-6°	SNMG 12 04 08	3.9
		DSBNR/L 3225P 12	25	22.0		32	32	170			34.3	-6°	-6°	SNMG 12 04 08	3.9
		DSBNR/L 3232P 12	32	27.0		32	32	170			34.2	-6°	-6°	SNMG 12 04 08	3.9
		DSBNR/L 4040S 12	40	35.0		40	40	250			34.5	-6°	-6°	SNMG 12 04 08	3.9
45°		15 DSBNR/L 2525M 15	25	22.0		25	25	150	2.0		41.6	-6°	-6°	SNMG 15 06 12	6.4
		DSBNR/L 3225P 15	25	22.0		32	32	170	2.0		41.7	-6°	-6°	SNMG 15 06 12	6.4
		DSBNR/L 3232P 15	32	27.0		32	32	170			41.5	-6°	-6°	SNMG 15 06 12	6.4
		19 DSBNR/L 3232P 19	32	27.0		32	32	170			46.4	-6°	-6°	SNMG 19 06 12	6.4
		DSBNR/L 4040S 19	40	35.0		40	40	250			46.5	-6°	-6°	SNMG 19 06 12	6.4
		25 DSBNR/L 4040S 25	40	35.0		40	40	250			56.6	-6°	-6°	SNMG 25 07 24	9.5
		DSBNR/L 5050T 25	50	43.0		50	50	300			56.6	-6°	-6°	SNMG 25 07 24	9.5
		09 DSSNR/L 1616H 09	16	20.0	13.9	16	16	100		106.1	21.3	-8°	0°	SNMG 09 03 08	1.7
		DSSNR/L 2020K 09	20	25.0	18.9	20	20	125		131.1	21.3	-8°	0°	SNMG 09 03 08	1.7
		DSSNR/L 2525M 09	25	32.0	25.9	25	25	150		156.1	21.3	-8°	0°	SNMG 09 03 08	1.7
45°		12 DSSNR/L 2020K 12	20	25.0	16.7	20	20	125		133.3	27.5	-8°	0°	SNMG 12 04 08	3.9
		DSSNR/L 2525M 12	25	32.0	23.7	25	25	150		158.3	27.5	-8°	0°	SNMG 12 04 08	3.9
		DSSNR/L 3225P 12	25	32.0	23.7	32	32	170		178.3	28.8	-8°	0°	SNMG 12 04 08	3.9
		DSSNR/L 3232P 12	32	40.0	31.7	32	32	170		178.3	27.4	-8°	0°	SNMG 12 04 08	3.9
		15 DSSNR/L 2525M 15	25	32.0	21.8	25	25	150		160.2	32.0	-8°	0°	SNMG 15 06 12	6.4
		DSSNR/L 3225P 15	25	32.0	21.8	32	32	170		180.2	34.9	-8°	0°	SNMG 15 06 12	6.4
		DSSNR/L 3232P 15	32	40.0	29.8	32	32	170		180.2	34.9	-8°	0°	SNMG 15 06 12	6.4
		19 DSSNR/L 3232P 19	32	40.0	27.5	32	32	170		182.5	37.0	-8°	0°	SNMG 19 06 12	6.4
		DSSNR/L 4040S 19	40	50.0	37.5	40	40	250		262.5	37.7	-8°	0°	SNMG 19 06 12	6.4
		25 DSSNR/L 4040S 25	40	50.0	34	40	40	250		266	41.1	-8°	0°	SNMG 25 07 24	9.5

¹⁾ γ = Rake angle (valid with flat insert).

²⁾ λ_s = Angle of inclination.

³⁾ Insert tightening torque Nm

Ordering example: 2 pieces DSKNR 2020K 09

DSKNL 2020K 09

R = Right hand, L = Left hand

Main spare parts

Insert size	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
09	5513 020-04	5322 426-01	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
12	5513 020-02	5322 425-01	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)
15	5513 020-07	5322 425-03	5680 043-14 (20IP)	5412 028-031 ¹⁾	5680 043-14 (20IP)
19	5513 020-07	5322 425-04	5680 043-14 (20IP)	5412 028-041	5680 043-14 (20IP)
25	5513 020-08	5322 425-07	5680 043-15 (25IP)	5412 028-051	5680 043-15 (25IP)

¹⁾ Optional clamp and to modify CoroTurn® RC holders for other inserts, see page A281



A9



A88



A276



G6



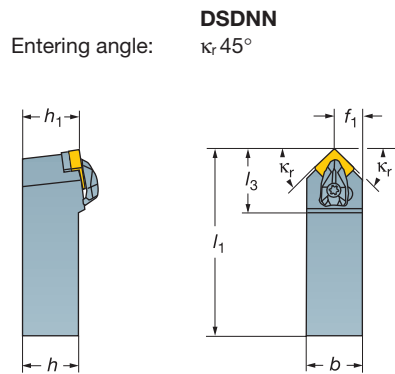
A2

Shank tools

CoroTurn® RC rigid clamp design



- SNMM
- SNMG
- SNMA, SNGA



Neutral style shown

κ_r	Main application	□	Ordering code	Dimensions, mm										Gauge inserts	Nm ³⁾
				b	f ₁	f _{1s}	h	h ₁	l ₁	h _{5r}	l _{1s}	l ₃	γ^1		
45°		09	DSDNN 1616H 09	16	8.3	16	16	100			28.1	-6°	-6°	SNMG 09 03 08	1.7
		12	DSDNN 2020K 12	20	10.3	20	20	125			36.5	-6°	-6°	SNMG 12 04 08	3.9
			DSDNN 2525M 12	25	12.8	25	25	150			36.5	-6°	-6°	SNMG 12 04 08	3.9
			DSDNN 3225P 12	25	12.8	32	32	170			36.5	-6°	-6°	SNMG 12 04 08	3.9
			DSDNN 3232P 12	32	16.3	32	32	170			36.8	-6°	-6°	SNMG 12 04 08	3.9
		15	DSDNN 2525M 15	25	12.8	25	25	150			44.8	-6°	-6°	SNMG 15 06 12	6.4
		19	DSDNN 3225P 19	25	13.0	32	32	170			49.5	-6°	-6°	SNMG 19 06 12	6.4
			DSDNN 3232P 19	32	16.5	32	32	170			49.5	-6°	-6°	SNMG 19 06 12	6.4
		25	DSDNN 4040S 25	40	21.0	40	40	250			57.2	-6°	-6°	SNMG 25 07 24	9.5

1) γ = Rake angle (valid with flat insert).2) λ_s = Angle of inclination.

3) Insert tightening torque Nm

Ordering example: 2 pieces DSDNN 1616H 09

Main spare parts

Insert size	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
09	5513 020-04	5322 426-01	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
12	5513 020-02	5322 425-01	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)
15	5513 020-07	5322 425-03	5680 043-14 (20IP)	5412 028-031 ¹⁾	5680 043-14 (20IP)
19	5513 020-07	5322 425-04	5680 043-14 (20IP)	5412 028-041	5680 043-14 (20IP)
25	5513 020-08	5322 425-07	5680 043-15 (25IP)	5412 028-051	5680 043-15 (25IP)

1) Optional clamp and to modify CoroTurn® RC holders for other inserts, see page A281



A9



A88



A276



G6



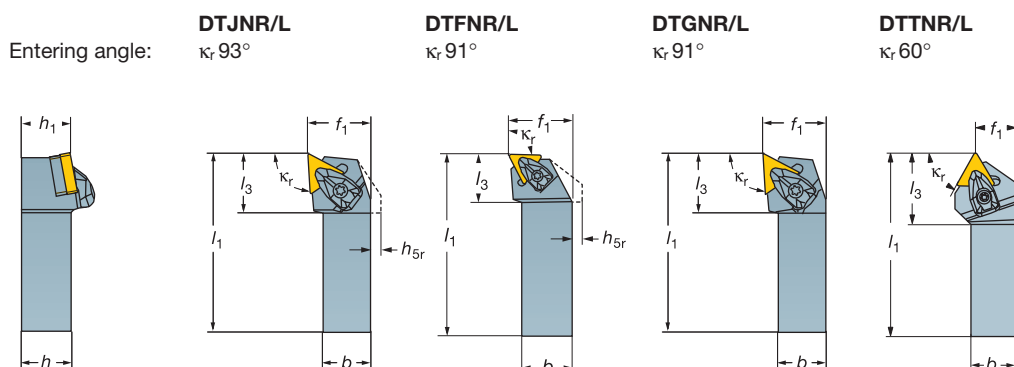
A2

Shank tools

CoroTurn® RC rigid clamp design



- TNMM, TNMX
- TNMG
- TNMA, TNGA



Right hand style shown when nothing else is stated

κ _r	Main application	Ordering code	Dimensions, mm										Gauge inserts	Nm ³⁾
			b	f ₁	h	h ₁	l ₁	h _{5r}	l ₃	γ ¹⁾	λ _s ²⁾			
93°		16 DTJNR/L 1616H 16	16	20.0	16	16	100	1.0	24.9	-6°	-6°	TNMG 16 04 08	1.7	
		DTJNR/L 2020K 16	20	25.0	20	20	125		24.9	-6°	-6°	TNMG 16 04 08	1.7	
		DTJNR/L 2525M 16	25	32.0	25	25	150		24.9	-6°	-6°	TNMG 16 04 08	1.7	
		DTJNR/L 3225P 16	25	32.0	32	32	170		25.3	-6°	-6°	TNMG 16 04 08	1.7	
		22 DTJNR/L 2525M 22	25	32.0	25	25	150		32.6	-6°	-6°	TNMG 22 04 08	3.9	
91°		16 DTFNR/L 1616H 16	16	20.0	16	16	100	2.0	24.0	-6°	-6°	TNMG 16 04 08	1.7	
		DTFNR/L 2020K 16	20	25.0	20	20	125		23.6	-6°	-6°	TNMG 16 04 08	1.7	
		DTFNR/L 2525M 16	25	32.0	25	25	150		23.6	-6°	-6°	TNMG 16 04 08	1.7	
		DTFNR/L 3225P 16	25	32.0	32	32	170		24.1	-6°	-6°	TNMG 16 04 08	1.7	
		22 DTFNR/L 2525M 22	25	32.0	25	25	150		30.5	-6°	-6°	TNMG 22 04 08	3.9	
91°		27 DTFNR/L 3232P 27	32	40.0	32	32	170		32.6	-6°	-6°	TNMG 22 04 08	3.9	
		DTFNR/L 4040S 27	40	50.0	40	40	250		49.8	-6°	-6°	TNMG 27 06 12	6.4	
		33 DTFNR/L 4040S 33	40	50.0	40	40	250		41.4	-6°	-6°	TNMG 33 07 12	6.4	
		16 DTGNR/L 1616H 16	16	20.0	16	16	100		25.4	-6°	-6°	TNMG 16 04 08	1.7	
		20 DTGNR/L 2020K 16	20	25.0	20	20	125		25.4	-6°	-6°	TNMG 16 04 08	1.7	
91°		25 DTGNR/L 2525M 16	25	32.0	25	25	150		24.6	-6°	-6°	TNMG 16 04 08	1.7	
		DTGNR/L 3225P 16	25	32.0	32	32	170		25.3	-6°	-6°	TNMG 16 04 08	1.7	
		22 DTGNR/L 2525M 22	25	32.0	25	25	150		32.1	-6°	-6°	TNMG 22 04 08	3.9	
		DTGNR/L 3225P 22	25	32.0	32	32	170		33.1	-6°	-6°	TNMG 22 04 08	3.9	
		DTGNR/L 3232P 22	32	40.0	32	32	170		33.1	-6°	-6°	TNMG 22 04 08	3.9	
60°		27 DTGNR/L 3232P 27	32	40.0	32	32	170		40.6	-6°	-6°	TNMG 27 06 12	6.4	
		DTGNR/L 4040S 27	40	50.0	40	40	250		39.3	-6°	-6°	TNMG 27 06 12	6.4	
		16 DTTNR/L 1616H 16	16	13.0	16	16	100		30.3	-6°	-6°	TNMG 16 04 08	1.7	
		DTTNR/L 2020K 16	20	17.0	20	20	125		30.2	-6°	-6°	TNMG 16 04 08	1.7	
		22 DTTNR/L 2525M 22	25	22.0	25	25	150		39.6	-6°	-6°	TNMG 22 04 08	3.9	
		DTTNR/L 3225P 22	25	22.0	32	32	170		39.6	-6°	-6°	TNMG 22 04 08	3.9	

¹⁾ γ = Rake angle (valid with flat insert).

²⁾ λ_s = Angle of inclination.

³⁾ Insert tightening torque Nm

Ordering example: 2 pieces DTJNR 1616H 16

DTJNL 1616H 16

R = Right hand, L = Left hand

Main spare parts

Insert size		Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
	Shank size					
16	1616	5513 020-04	5322 316-01	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
16	2020 - 3225	5513 020-04	5322 315-02	5680 051-03 (9IP)	5412 028-011	5680 051-03 (9IP)
22	2525 - 3232	5513 020-02	5322 315-04	5680 049-01 (15IP)	5412 028-021 ¹⁾	5680 049-01 (15IP)
27	3232 - 4040	5513 020-07	5322 315-05	5680 043-14 (20IP)	5412 028-031 ¹⁾	5680 043-14 (20IP)
33	4040	5513 020-07	5322 315-06	5680 043-14 (20IP)	5412 028-041	5680 043-14 (20IP)

¹⁾ Optional clamp and to modify CoroTurn® RC holders for other inserts, see page A281



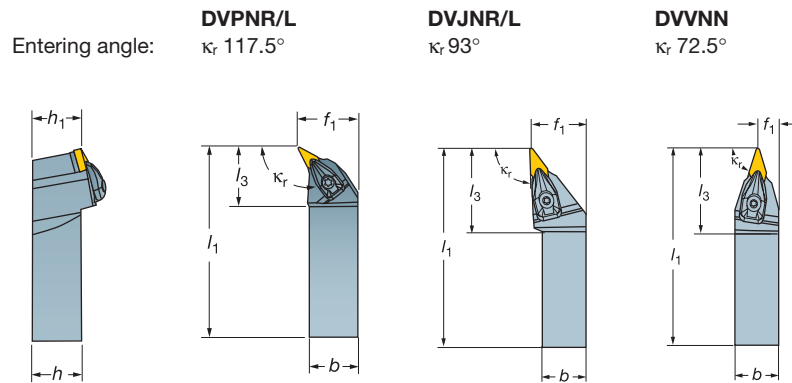
Shank tools

CoroTurn® RC rigid clamp design



VNMG

VNGP



(neutral)

Right hand style shown when nothing else is stated

κ_r	Main application	Ordering code	Dimensions, mm									Gauge inserts	Nm ³⁾
			b	f_1	h	h_1	l_1	l_3	$\gamma^1)$	$\lambda_s^2)$			
117.5°		DVPNR/L 2525M 16	25	32.0	25	25	150	39.2	-4°	-13°	VNMG 16 04 08	3.0	
		DVPNR/L 3225P 16	25	32.0	32	32	170	39.2	-4°	-13°	VNMG 16 04 08	3.0	
		DVPNR/L 3232P 16	32	40.0	32	32	170	39.2	-4°	-13°	VNMG 16 04 08	3.0	
		DVPNR/L 4040S 16	40	50.0	40	40	250	39.2	-4°	-13°	VNMG 16 04 08	3.0	
93°		DVJNR/L 2020K 16	20	25.0	20	20	125	46.6	-4°	-13°	VNMG 16 04 08	3.0	
		DVJNR/L 2525M 16	25	32.0	25	25	150	46.6	-4°	-13°	VNMG 16 04 08	3.0	
		DVJNR/L 3225P 16	25	32.0	32	32	170	46.6	-4°	-13°	VNMG 16 04 08	3.0	
		DVJNR/L 3232P 16	32	40.0	32	32	170	46.6	-4°	-13°	VNMG 16 04 08	3.0	
72.5°		DVVNN 2020K 16	20	10.6	20	20	125	47.8	-4°	-13°	VNMG 16 04 08	3.0	
		DVVNN 2525M 16	25	13.1	25	25	150	47.8	-4°	-13°	VNMG 16 04 08	3.0	
		DVVNN 3225P 16	25	13.1	32	32	170	47.8	-4°	-13°	VNMG 16 04 08	3.0	
		DVVNN 3232P 16	32	16.6	32	32	170	47.8	-4°	-13°	VNMG 16 04 08	3.0	
		DVVNN 4040S 16	40	20.6	40	40	250	47.8	-4°	-13°	VNMG 16 04 08	3.0	

1) γ = Rake angle (valid with flat insert).2) λ_s = Angle of inclination.

3) Insert tightening torque Nm

Ordering example: 2 pieces DVPNR 2525M 16

DVPNL 2525M 16

R = Right hand, L = Left hand

Main spare parts

Insert size	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Key (Torx Plus)
16	5513 020-09	5322 269-01	5680 049-01 (15IP)	5412 028-061	5680 049-01 (15IP)



A9



A91



A276



G6



A2

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