

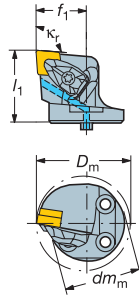
Cutting heads with CoroTurn® SL coupling

CoroTurn® RC rigid clamp design



- CNMM, CNGP
- CNMG
- CNMA, CNGA

Entering angle: **570-DCLNR/L**
 $\kappa_r 95^\circ$



All with internal coolant supply

Right hand style shown

κ_r	Main application		Ordering code	Dimensions, mm						Gauge inserts	Nm ³⁾
				dm_m	D_m min	f_1	l_1	γ ¹⁾	λ_s ²⁾		
95°		12	570-DCLNR/L-32-12-L	32	40	22.0	38	-6°	-9°	CNMG 12 04 08	3.9
			570-DCLNR/L-40-12-L	40	50	27.0	38	-6°	-10°	CNMG 12 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 570-DCLNR-32-09
 570-DCLNL-32-09
 R = Right hand, L = Left hand

Main spare parts

Insert size						
	Bar dia.	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Locating tube
09	32	5513 020-04	5322 236-04	5680 051-03 (9IP)	5412 028-011	5638 031-01
12	32-40	5513 020-02	5322 236-03	5680 049-01 (15IP)	5412 028-021	5638 031-01



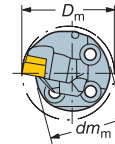
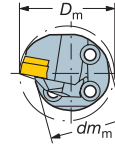
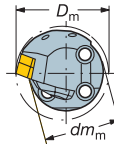
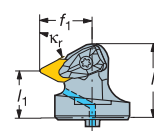
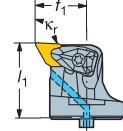
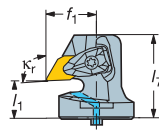
Cutting heads with CoroTurn® SL coupling

CoroTurn® RC rigid clamp design



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

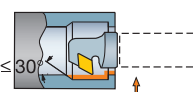
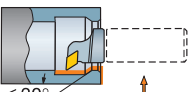
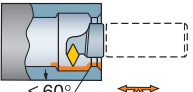
Entering angle: **570-DDUNR/L-X** **570-DDUNR/L** **570-DDXNR/L**
 $\kappa_r 93^\circ$ $\kappa_r 93^\circ$ $\kappa_r 63^\circ$



Back boring

All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm							Gauge inserts	Nm ³⁾
			dm_m	D_m min	f_1	l_1	l_7	γ^1	λ_s^2		
93°		11 570-DDUNR/L-32-11X	32	40	22.0	20	38.4	-6°	-9°	DNMG 11 04 08	1.7
		15 570-DDUNR/L-40-15X	40	50	27.0	20	44.7	-6°	-12°	DNMG 15 06 08	3.9
93°		11 570-DDUNR/L-32-11	32	40	22.0	32		-6°	-10°	DNMG 11 04 08	1.7
		15 570-DDUNR/L-40-15	40	50	27.0	32		-6°	-12°	DNMG 15 06 08	3.9
63°		11 570-DDXNR/L-32-11	32	40	22.0	20	31.1	0°	-10°	DNMG 11 04 08	1.7
		15 570-DDXNR/L-40-15-L	40	50	27.0	22	35.4	0°	-11°	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 570-DDUNR-32-11X

570-DDUNL-32-11X

R = Right hand, L = Left hand

Main spare parts

Insert size		Main spare parts				
$\frac{h}{L}$	Bar dia.	Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Locating tube
11	32	5513 020-04	5322 267-01	5680 051-03 (9IP)	5412 028-011	5638 031-01
15	40	5513 020-02	5322 266-02	5680 049-01 (15IP)	5412 028-021	5638 031-01



A9



A238



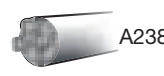
A238



G6



A2



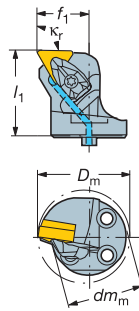
A238

Cutting heads with CoroTurn® SL coupling

CoroTurn® RC rigid clamp design

Entering angle:

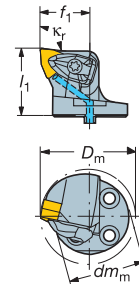
570-DTFNR/L
 $\kappa_r 91^\circ$



570-DWLNR/L
 $\kappa_r 95^\circ$



WNMM,
WNMG,
WNGA, WNMA



TNMM, TNMX
TNMG
TNMA, TNGA

All with internal coolant supply

Right hand style shown

κ_r	Main application	Δ	Ordering code	Dimensions, mm					Gauge inserts	Nm ³⁾	
				dm_m	D_m min	f_1	l_1	$\gamma^1)$			$\lambda_s^2)$
91°		16	570-DTFNR/L-32-16-L	32	40	22.0	36	-6°	-8°	TNMG 16 04 08	1.7
			570-DTFNR/L-40-16-L	40	50	27.0	36	-6°	-10°	TNMG 16 04 08	1.7

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

²⁾ λ_s = Angle of inclination.

³⁾ Insert tightening torque Nm

Ordering example: 2 pieces 570-DTFNR-32-16-L
570-DTFNL-32-16-L
R = Right hand, L = Left hand

κ_r	Main application	Δ	Ordering code	Dimensions, mm					Gauge inserts	Nm ³⁾	
				dm_m	D_m min	f_1	l_1	$\gamma^1)$			$\lambda_s^2)$
95°		06	570-DWLNR/L-32-06	32	40	22.0	32	-6°	-10°	WNMG 06 04 08	1.7
			570-DWLNR/L-32-08-LE	32	40	24.0	36	-6°	-12°	WNMG 08 04 08	3.9
			570-DWLNR/L-40-08-L	40	50	27.0	36	-6°	-12°	WNMG 08 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 570-DWLNR-32-06
570-DWLNL-32-06
R = Right hand, L = Left hand

Main spare parts

Insert size		Shim screw	Shim	Key (Torx Plus)	Complete clamp set	Locating tube
Δ	Bar dia.					
16	32-40	5513 020-04	5322 316-01	5680 051-03 (9IP)	5412 028-011	5638 031-01
	06 32	5513 020-04	5322 328-01	5680 051-03 (9IP)	5412 028-011	5638 031-01
	08 32-40	5513 020-02	5322 331-12	5680 049-01 (15IP)	5412 028-021	5638 031-01



A9



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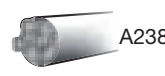
A238



G6



A2



A238

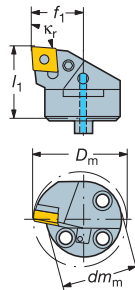
Cutting heads with CoroTurn® SL coupling

T-Max P lever clamp design

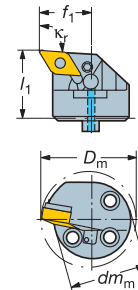
Entering angle:

R/L571.31C
 $\kappa_r 95^\circ$ R/L571.35C
 $\kappa_r 93^\circ$ 

CNMM, CNGP
 CNMG
 CNMA, CNGA



DNMM, DNGP, DNMX
 DNMG
 DNMA, DNGA



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm						Gauge inserts
			dm_m	D_m min	f_1	l_1	$\gamma^1)$	$\lambda_s^2)$	
95°		12 R/L571.31C-323222-12	32	40	22.0	32	-6°	-11°	CNMG 12 04 08
		R/L571.31C-403227-12	40	50	27.0	32	-6°	-10°	CNMG 12 04 08
		16 R/L571.31C-504035-16	50	63	35.0	40	-6°	-11°	CNMG 16 06 12
		R/L571.31C-604043-16	60	80	43.0	40	-6°	-10°	CNMG 16 06 12

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

Ordering example: 2 pieces R571.31C-323222-12
L571.31C-323222-12

R = Right hand, L = Left hand

κ_r	Main application	Ordering code	Dimensions, mm						Gauge inserts
			dm_m	D_m min	f_1	l_1	$\gamma^1)$	$\lambda_s^2)$	
93°		15 R/L571.35C-403227-15	40	50	27.0	32	-6°	-11°	DNMG 15 06 08
		R/L571.35C-504035-15	50	63	35.0	40	-6°	-10°	DNMG 15 06 08
		R/L571.35C-604043-15	60	80	43.0	40	-6°	-8°	DNMG 15 06 08

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

Ordering example: 2 pieces R571.35C-403227-15
L571.35C-403227-15

R = Right hand, L = Left hand

Main spare parts

Insert size							
κ_r	Bar dia.	Bar dia.	Lever	Screw	Key (mm)	Shim	
12	32		174.3-848M	174.3-858	174.1-864 (3.0)	171.31-850M	
12	40		174.3-841M	174.3-821	174.1-864 (3.0)	171.31-850M	
16	50-60		438.3-840	438.8-831	174.1-864 (3.0)	171.31-852	
		15	40-60	174.3-847M	174.3-830	174.1-864 (3.0)	171.35-851M



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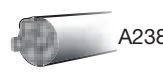
A238



G6



A2



A238

Cutting heads with CoroTurn® SL coupling

CoroTurn® 107 screw clamp design

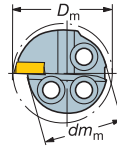
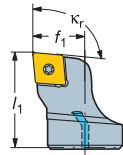


CCMT, CCGT
 CCGX
 CCMW

Entering angle:

570-SCLCR/L

$\kappa_r 95^\circ$



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm					Gauge inserts	Nm ³⁾	
			dm_m	D_m min	f_1	l_1	$\gamma^1)$			$\lambda_s^2)$
95°		06 570-SCLCR/L-16-06	16	20	11.0	20	0°	-12°	CCMT 06 02 04	0.9
		09 570-SCLCR/L-20-09	20	25	13.0	20	0°	-8°	CCMT 09 T3 08	3.9
		570-SCLCR/L-25-09	25	32	17.0	20	0°	-6°	CCMT 09 T3 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 570-SCLCR-16-06

570-SCLCR-16-06

R = Right hand, L = Left hand

Main spare parts

Insert size		Insert screw (thread)	Key (Torx Plus/mm)
	Bar dia. 16	5513 020-03 (M2.5)	5680 051-02 (7IP)
	Bar dia. 20	5513 020-10 (M3.55)	5680 049-01 (15IP/3.5)
	Bar dia. 25	5513 020-10 (M3.5)	5680 049-01 (15IP/3.5)



A9



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A238



G6



A2



A238

Cutting heads with CoroTurn® SL coupling

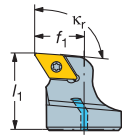
CoroTurn® 107 screw clamp design



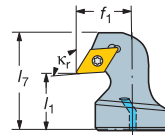
DCMT, DCMX
DCGT, DCGX
DCMW

Entering angle:

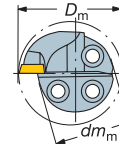
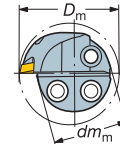
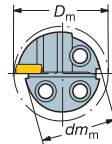
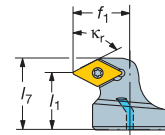
570-SDUCR/L
 $\kappa_r 93^\circ$



570-SDUCR/L
 $\kappa_r 93^\circ$



570-SDXCR/L
 $\kappa_r 62.5^\circ$



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm							Gauge inserts	Nm ³⁾
			dm_m	D_m min	f_1	l_1	l_7	γ^1	λ_s^2		
93°		07 570-SDUCR/L-16-07	16	20	11.0	20	-	0°	-8°	DCMT 07 02 04	0.9
		11 570-SDUCR/L-20-11	20	25	13.0	20	-	0°	-6°	DCMT 11 T3 08	3.9
		570-SDUCR/L-25-11	25	32	17.0	20	-	0°	-6°	DCMT 11 T3 08	3.9
		570-SDUCR/L-32-11	32	40	22.0	32	-	0°	-10°	DCMT 11 T3 08	3.9
		570-SDUCR/L-40-11	32	50	27.0	32	-	0°	-8°	DCMT 11 T3 08	3.9
93°		07 570-SDUCR/L-16-07-EX	16	22	13.0	15	26.5	0°	-6°	DCMT 07 02 04	0.9
		570-SDUCR/L-20-07-EX	20	27	15.0	15	26.5	0°	-3°	DCMT 07 02 04	0.9
		570-SDUCR/L-25-07-DX	25	33	18.0	15	26.5	0°	-3°	DCMT 07 02 04	0.9
		11 570-SDUCR/L-32-11X	32	40	22.0	20	38.0	0°	-10°	DCMT 11 T3 08	3.9
		570-SDUCR/L-40-11X	40	50	27.0	20	38.0	0°	-8°	DCMT 11 T3 08	3.9
62.5°		07 570-SDXCR/L-16-07-E	16	22	13.0	15	19.5	0°	-6°	DCMT 07 02 04	0.9
		570-SDXCR/L-20-07-E	20	27	15.0	15	19.5	0°	-3°	DCMT 07 02 04	0.9
		570-SDXCR/L-25-07-D	25	33	18.0	15	19.5	0°	-3°	DCMT 07 02 04	0.9
		11 570-SDXCR/L-32-11	32	40	22.0	20	28.0	0°	-10°	DCMT 11 T3 08	3.9
		570-SDXCR/L-40-11	40	50	27.0	20	28.0	0°	-8°	DCMT 11 T3 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 570-SDUCR-16-07
570-SDUCL-16-07

R = Right hand, L = Left hand

Main spare parts

Insert size					
	Bar dia.	Insert screw (thread)	Shim	Shim screw (thread)	Key (Torx Plus/mm)
07	16-25	5513 020-03 (M2.5)	-	-	5680 051-02 (7IP)
11	20	5513 020-09 (M3.5)	-	-	5680 049-01 (15IP/3.5)
11	25	5513 020-10 (M3.5)	-	-	5680 049-01 (15IP/3.5)
11	32-40	5513 020-01 (M3.5)	5322 263-01	5512 090-01	5680 049-01 (15IP/3.5)



A9



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A2



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Cutting heads with CoroTurn® SL coupling

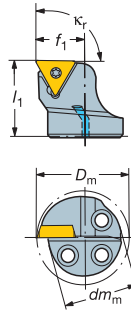
CoroTurn® 107 screw clamp design



TCMT, TCMX
TCGT, TCGX
TCMW

Entering angle:

STFCR/L
 $\kappa_r 91^\circ$



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm						Gauge inserts	Nm ³⁾
			$d_{m_{min}}$	$D_{m_{min}}$	f_1	l_1	$\gamma^1)$	$\lambda_s^2)$		
91°		09 570-STFCR/L-16-09	16	20	11.0	20	0°	-6°	TCMT 09 02 04	0.9
		11 570-STFCR/L-16-11-B1	16	20	11.0	20	0°	-7°	TCMT 11 03 04	0.9
		570-STFCR/L-20-11-B1	20	25	13.0	20	0°	-4°	TCMT 11 03 04	0.9
		570-STFCR/L-25-11-B1	25	32	17.0	20	0°	-2°	TCMT 11 03 04	0.9
		16 570-STFCR/L-32-16	32	40	22.0	32	0°	-10°	TCMT 16 T3 08	3.9
		570-STFCR/L-40-16	40	50	27.0	32	0°	-8°	TCMT 16 T3 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 570-STFCR-16-09
570-STFCL-16-09

R = Right hand, L = Left hand

Main spare parts

Insert size					
\triangle	Bar dia.	Insert screw (thread)	Shim	Shim screw (thread)	Key (Torx Plus/mm)
09	16	5513 020-05 (M2.2)	-	-	5680 051-02 (7IP)
11	16-25	5513 020-03 (M2.5)	-	-	5680 051-02 (7IP)
16	32-60	5513 020-01 (M3.5)	5322 320-01	5512 090-01 (M5x0.5/3.5)	5680 049-01 (15IP/3.5)



A9



A319



A2



A219

Cutting heads with CoroTurn® SL coupling

CoroTurn® 107 screw clamp design

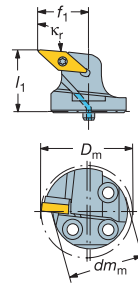
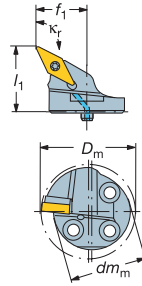


Entering angle: **570-SVPBR/L**
 κ_r 117.5°

570-SVLBR/L
 κ_r 95°

VBMT, VBGT
VCGX, VCEX,
VCGT

VBMW, VCMW



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm						Gauge inserts	Nm ³⁾
			dm_m	D_m min	f_1	l_1	$\gamma^1)$	$\lambda_s^2)$		
117.5°		16 570-SVPBR/L-32-16-L	32	40	22.0	34	0°	-5°	VBMT 16 04 08	3.9
		570-SVPBR/L-40-16-L	40	50	27.0	34	0°	-4°	VBMT 16 04 08	3.9
95°		16 570-SVLBR/L-25-16-LF	25	35	20.0	22	0°	-6.5°	VBMT 16 04 08	3.9
		570-SVLBR/L-32-16	32	40	22.0	32	0°	-9°	VBMT 16 04 08	3.9
		570-SVLBR/L-40-16	40	50	27.0	32	0°	-6°	VBMT 16 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 570-SVPBR-32-16-L

570-SVPBL-32-16-L

R = Right hand, L = Left hand

Main spare parts

Insert size

Bar dia.	Insert screw	Shim	Shim screw	Key (Torx Plus)
16 25	5513 020-10	-	-	5680 049-01
16 32-40	5513 020-10	5322 270-01	5512 090-01	5680 049-01



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Cutting heads with CoroTurn® SL coupling

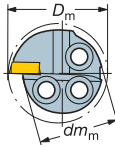
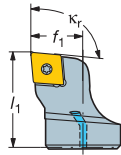
CoroTurn® 111 screw clamp design



CPMT

Entering angle:

570-SCLPR/L
κ_r 95°



All with internal coolant supply

Right hand style shown

κ _r	Main application	06	Ordering code	Dimensions, mm					Gauge inserts	Nm ²⁾
				dm _m	D _m min	f ₁	l ₁	λ _s ¹⁾		
95°			570-SCLPR/L-16-06	16	20	11.0	20	-2°	CPMT 06 02 04	0.9

¹⁾ λ_s = Angle of inclination.

²⁾ Insert tightening torque Nm

Ordering example: 2 pieces 570-SCLPR-16-06

570-SCLPL-16-06

R = Right hand, L = Left hand

Main spare parts

Insert size

06	Bar dia.	Insert screw	Key Torx Plus
06	16	5513 020-46	5680 051-02 (7IP)



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Cutting heads with CoroTurn® SL coupling

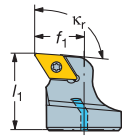
CoroTurn® 111 screw clamp design



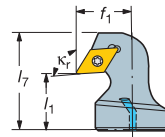
DPMT

Entering angle:

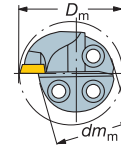
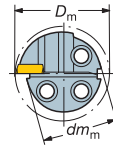
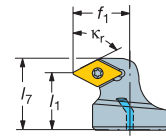
570-SDUPR/L
 $\kappa_r 93^\circ$



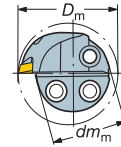
570-SDUPR/L-X
 $\kappa_r 93^\circ$



570-SDXPR/L
 $\kappa_r 62.5^\circ$



Back boring



All with internal coolant supply

Right hand style shown

κ_r	Main application	Ordering code	Dimensions, mm							Gauge inserts	Nm ²⁾
			dm_m	D_m min	f_1	l_1	l_7	λ_s ¹⁾			
93°		07 570-SDUPR/L-16-07-EX	16	20	11.0	20	-	0°	DPMT 07 02 04	0.9	
		570-SDUPR/L-20-07	20	25	13.0	20	-	0°	DPMT 07 02 04	0.9	
		11 570-SDUPR/L-20-07-EX	25	32	17.0	20	-	1°	DPMT 11 T3 08	3.0	
93°		07 570-SDUPR/L-25-07-DX	16	22	13.0	15	26	0°	DPMT 07 02 04	0.9	
		570-SDUPR/L-16-07	20	27	15.0	15	26	1°	DPMT 07 02 04	0.9	
		570-SDUPR/L-25-11	25	33	18.0	15	26	2°	DPMT 07 02 04	0.9	
62.5°		07 570-SDXPR/L-16-07-E	16	22	13.0	15	19	0°	DPMT 07 02 04	0.9	
		570-SDXPR/L-20-07-E	20	27	15.0	15	19	0°	DPMT 07 02 04	0.9	
		570-SDXPR/L-25-07-D	25	33	18.0	15	19	1°	DPMT 07 02 04	0.9	

¹⁾ λ_s = Angle of inclination.

²⁾ Insert tightening torque Nm

Ordering example: 2 pieces 570-SDUPR-16-07
570-SDUPL-16-07

R = Right hand, L = Left hand

Main spare parts

Insert size			
	Bar dia.	Insert screw	Key (Torx Plus)
07	16-25	5513 020-03	5680 051-02 (7IP)
11	25	5513 020-09	5680 049-01 (15IP)



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