

CoroPlex™ TT

D4

Inserts
Tools

A138
D5-D6

CoroPlex™ TB

D7

Inserts
Tools

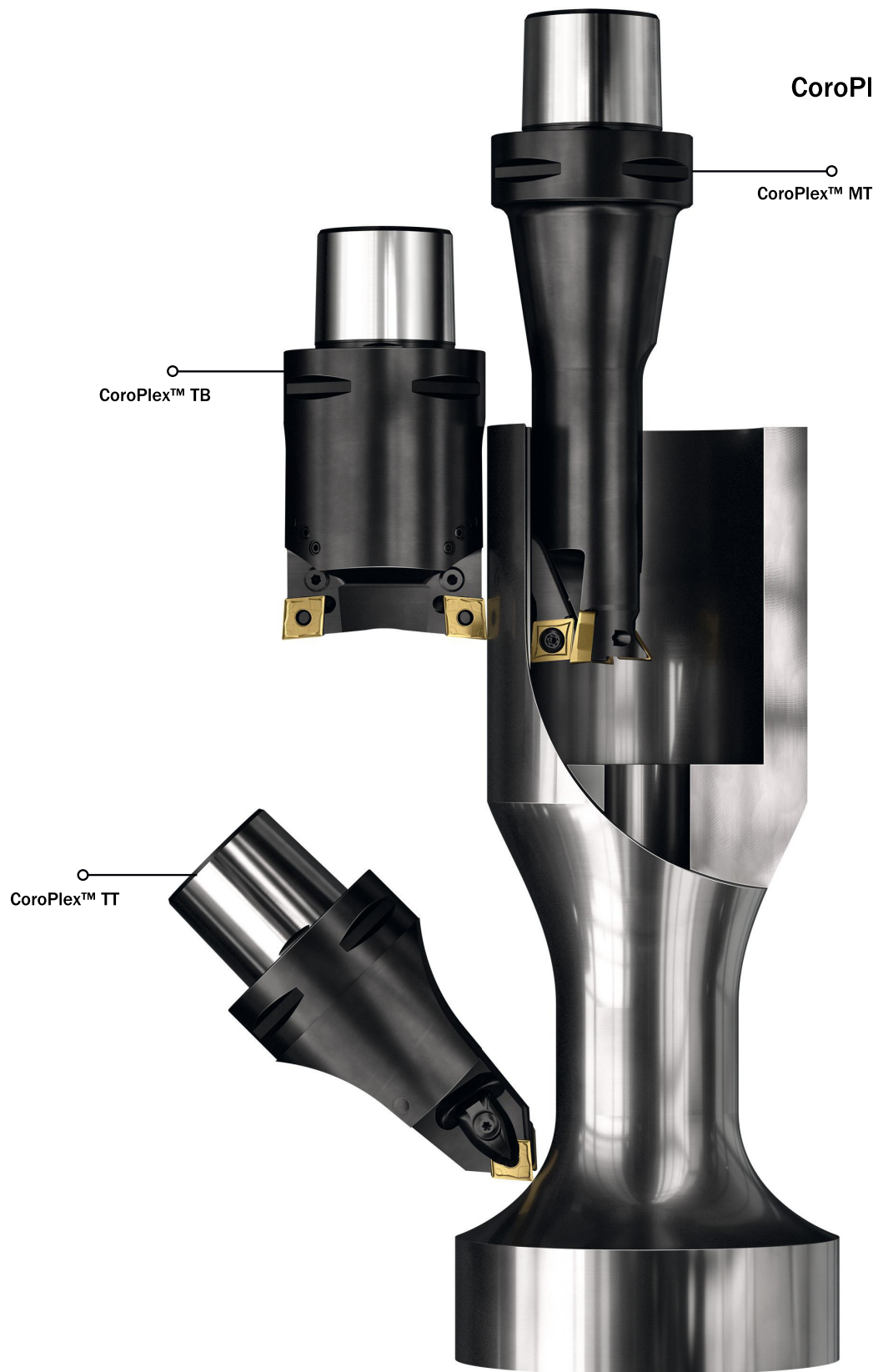
A138
D8

CoroPlex™ MT

D9

Inserts
Tools

A35
D10



CoroPlex™ TT

Two turning tools in one

B

Application

- External turning
- Internal turning
- Profiling

C

ISO application area:



Benefits and features

D

- Reduced tool changing time
- Quick change with Coromant Capto®
- Coolant solution for multi-task machines
- Flexible tool holders optimized in length, stability



E

CoroPlex TT is a twin tool with great flexibility. With two turning inserts on the same tool, substantial tool changing time is saved. CoroPlex TT gives you a variety of solutions for most turning operations.

www.sandvik.coromant.com/coroplextt

Inserts

- T-Max P - C style inserts
- Insert geometries and grades for all materials

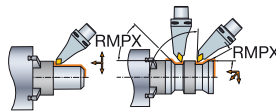
Tools

- Coromant Capto® cutting units

F

With tool spindle tilted 45°

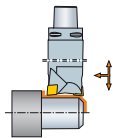
- Face and longitudinal turning
- Profiling



G

With tool spindle tilted 90°

- External longitudinal turning
- External face turning
- Internal turning



Right hand style shown unless otherwise stated

H



A138



F2

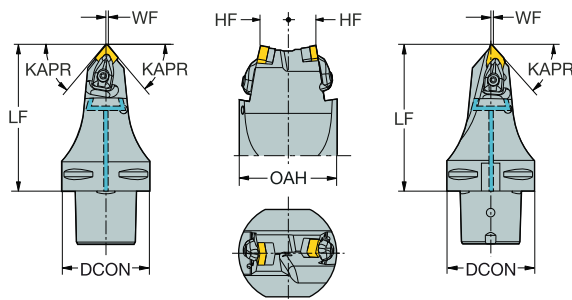
CoroPlex™ TT multifunctional tool for turning

Rigid clamp design

Coromant Capto® - Internal coolant supply



- CNMM
- CNMG
- CNMA, CNGA



- DNMM, DNMX
- DNMG
- DNMA, DNGA

					Ordering code	Dimensions, mm							MID
		CZC _{MS}	KAPR	CNSC		DCON	LF	WF	HF	OAH	BAR	KG	
		C5		1	C5-T-DCM12DDM15L115	50					80	1.8	
	12		50				115	0.5	20				3.9
	15		48				115	0.5	20				3.9
		C6		1	C6-T-DCM12DDM15L105	63				70	80	1.8	
	12		50				105	0.5	20				3.9
	15		48				105	0.5	20				3.9
		C6		1	C6-T-DCM12DDM15L130	63					80	2.5	
	12		50				130	0.5	20	70			3.9
	15		48				130	0.5	20	70			3.9
		C8		1	C8-T-DCM16DDM15L160	80				80	80	4.7	
16		50				160	0.5	24				3.9	
15		48				160	0.5	24				3.9	
	C10		1	C10-T-DCM19DDM15L180	100					80	6.2		
19		50				180	0.5	24				6.4	
15		48				180	0.5	24				3.9	



A138



F2



H36



H5

CoroPlex™ TT multifunctional tool for turning

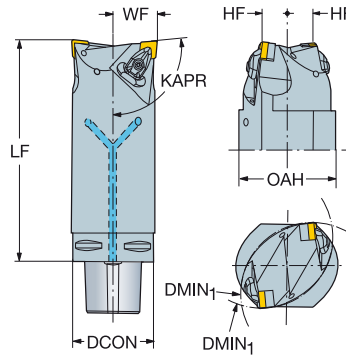
Rigid clamp design

Coromant Capto® - Internal coolant supply

KAPR

95°

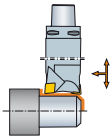
B



C

- CNMM
- CNMG
- CNMA, CNGA

D



					Dimensions, mm										
		CZC _{MS}	DMIN ₁	CNSC	Ordering code	DCON	LF	WF	HF	OAH	BAR	KG	NM	CICT	MIID
	12	C5	110	1	C5-T-DCL12DCL12L130	50	130	26	20	69	80	2.7	3.9	2	CNMG 12 04 08
	12	C6	110	1	C6-T-DCL12DCL12L165	63	165	33	20	75	80	4.7	3.9	2	CNMG 12 04 08
	16	C8	115	1	C8-T-DCL16DCL16L200	80	200	33	20	80	80	7.0	6.4	2	CNMG 16 06 12

E

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H



D 6

CoroPlex™ TB

Multifunctional turning boring bar dedicated for multi-task machines and turning centres.

Application

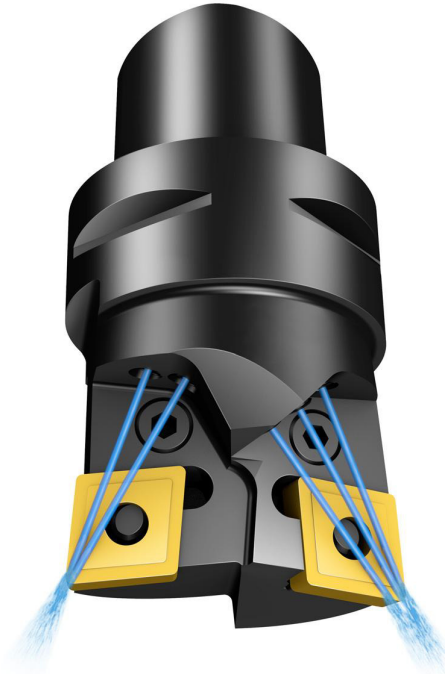
- Integrated solutions for turning centers:
High volume, such as automotive transmission, bearings etc.
- Modular solutions for multi-task machines and large turning centers,
such as oil and gas

ISO application area:



Benefits and features

- Chip control and longer tool life
- Reduced set-up times with Coromant Capto®
- Quick tool changing for reduced machine downtime
- Reduced maintenance and downtime costs
- Quick change and modularity with Coromant Capto®
- Two inserts in the same tool
- Increased number of tool positions



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Right hand style shown unless otherwise stated

Inserts

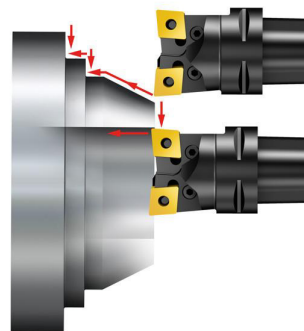
- T-Max P - C style inserts
- Insert geometries and grades for all materials

Tools

- Coromant Capto® cutting units

Application example - Speed gear with CoroPlex TB

The example shows how it is possible to use the same tool for turning of both the outer and inner diameter with no indexing time between the operations.



A138

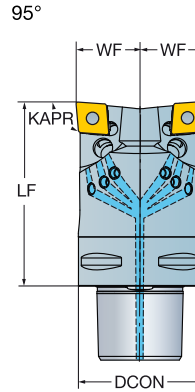
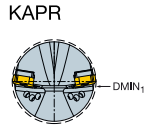


F2

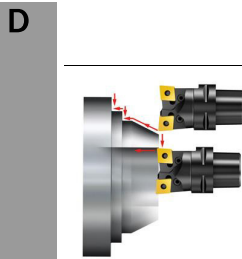
CoroPlex™ TB multifunctional tool for turning

Lever clamp design

Coromant Capto® - Internal coolant supply



- CNMM
- CNMG
- CNMA, CNGA



CZC _{MS}	DMIN ₁	CNCS	Ordering code	Dimensions, mm				BAR	KG	NM	CICT	MIID	
				DCON	LF	WF	HF						
12	C4	43	3	C4-TB-CN12CN12-060	40	60	21.0	0.0	80	0.5	5.0	2	CNMG 12 04 08
12	C5	53	3	C5-TB-CN12CN12-075	50	75	26.0	0.0	80	1.0	5.0	2	CNMG 12 04 08
12	C6	66	3	C6-TB-CN12CN12-090	63	90	32.0	0.0	80	2.0	5.0	2	CNMG 12 04 08

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D 8

CoroPlex™ MT

Multifunctional tool for milling and turning, dedicated for multi-task machines.

Application

- Integrated solutions for turning centers:
High volume, such as automotive transmission, bearings etc.
- Modular solutions for multi-task machines and large turning centers, such as oil and gas

ISO application area:



Benefits and features

- Quick change and modularity with Coromant Capto®
- Increased number of tool positions
- One milling and two turning tools in one
- Reduced tool changing time
- Saves tool pockets in tool magazine
- Stationary application as a turning tool, external or internal



www.sandvik.coromant.com/coroplexmt

Right hand style shown unless otherwise stated

Inserts

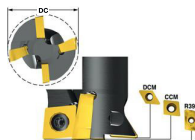
- CoroTurn 107 C and D-Style inserts
- CoroMill 390 inserts, see rotating tools catalogue

Tools

- Coromant Capto® cutting units

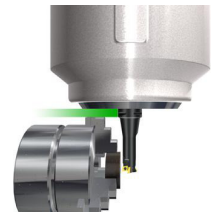
One tool for both rotating and stationary use

The CoroMill 390 inserts are positioned slightly ahead of the CoroTurn inserts – axially as well as radially – to guarantee that turning inserts are not in cut when the tool is applied rotating. It is therefore necessary, when internal turning of a blind hole, to stop feed and rotation before the CoroMill 390 inserts get in contact with bottom face.



Tool lengths optimized for accessibility in multi-tasking

The tool bodies are extended by 65 mm compared to corresponding conventional tools, to allow freer use of the working positions possible in multi-task machining, without need for extensions. Length and design of the tool body are optimized for each Coromant Capto size to provide best accessibility relative to most common chuck sizes.



CoroPlex™ MT multifunctional tool for milling and turning

Lever clamp design

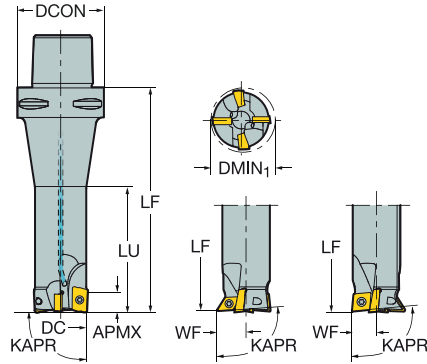
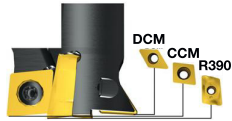
Coromant Capto® - Internal coolant supply

KAPR 95°

B



C



D

CZC _{MS}	DMIN ₁	CNCS	Ordering code	Dimensions, mm							Gauge inserts	
				DCON	DC	LF	LU	APMX	KG	NM	MIID	
07	C5	35	3	M-32C5-39011C09D07	50	32.0	130	81	10.0	1.1	3.0	R390-11..
07	C6	35	3	M-32C6-39011C09D07	63	32.0	165	81	10.0	1.9	3.0	DCMT 07 02 04
18		43	3	M-40C6-39018C12D11	63	40.0	165	92	10.0	2.0	3.0	R390-18..
18	C8	43	3	M-40C8-39018C12D11	80	40.0	200	92	10.0	3.6	3.0	DCMT 11 T3 08

E

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