

# CoroTurn® 300

For external turning of high-quality components

B

### Application

- Longitudinal turning
- Facing
- Medium to finishing operations

C

ISO application area:

**P**

### Benefits and features

- Eight-edged inserts to ensure good heat transformation for predictable performance and wear
- Geometries with excellent chip breaking within their respective application areas
- Coromant Capto® interface or QS™ shanks enable quick tool change and easy coolant connection for maximized production time.
- Inserts in steel grades GC4325 and GC4315 with Inveio™ - for high wear resistance and long tool life
- Insert shape: 80 degree corner



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[www.sandvik.coromant.com/coroturn300](http://www.sandvik.coromant.com/coroturn300)

E

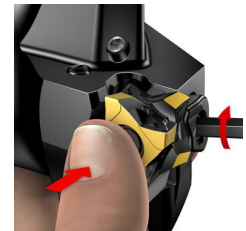
### Over- and under coolant

High precision coolant from above controls the chip breaking for secure machining, while under coolant controls the temperature for long and predictable tool life.



### Stable insert position

Insert is self-locking in its tip seat thanks to clamping solution with lever. iLock interface between insert and holder prevents micro-movements of the insert.





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### Inserts

Turning

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### Tools

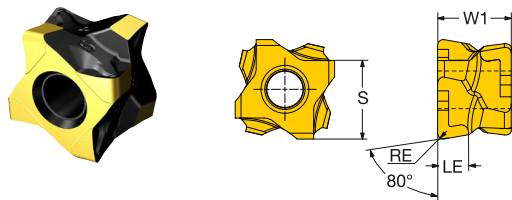
Coromant Capto® cutting units	QS™ shank tools
	
A14	A15

Right hand style shown unless otherwise stated

H



# CoroTurn® 300 insert for turning



		SSC	LE	S	RE	W1	ISO CODE	P	
Finishing	L4	10	4.0	11.00	0.40	10.0	3-80-101104-8-L4	★	☆
		4.0	11.00	0.79	10.0	3-80-101108-8-L4	★	☆	
		4.0	11.00	1.19	10.0	3-80-101112-8-L4	★	☆	
Medium	M5	10	4.0	11.00	0.79	10.0	3-80-101108-8-M5	☆	★
		4.0	11.00	1.19	10.0	3-80-101112-8-M5	☆	★	
	M5W	10	4.0	11.00	0.79	10.0	3-80-101108-8-M5W	☆	★
		4.0	11.00	1.19	10.0	3-80-101112-8-M5W	☆	★	

SSC = To correspond with SSC on holder.



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H36



H15

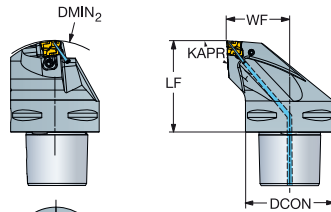
# CoroTurn® 300 cutting unit for turning

Lever clamp design

Coromant Capto® - Precision coolant supply

KAPR 94.7°

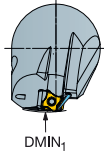
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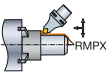
C



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D

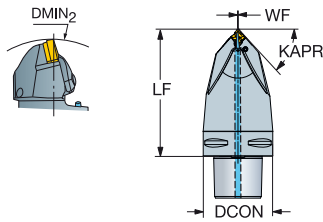


							Dimensions, mm						
SSC	CZC <sub>MS</sub>	DMIN <sub>1</sub>	DMIN <sub>2</sub>	CNSC	Ordering code	DCON	LF	WF	BAR	NM	KG	MIID	
10	C4	100.0	150.0	3	C4-3-80-LR/L27055-10C	40	55.0	27.0	150	4.5	0.59	3-80-101108	
	C5	100.0	170.0	3	C5-3-80-LR/L35060-10C	50	60.0	35.0	150	4.5	0.88	3-80-101108	
	C6	100.0	200.0	3	C6-3-80-LR/L45065-10C	63	65.0	45.0	150	4.5	1.40	3-80-101108	

E



KAPR 50.0°



3-80

F

## Tools for multi-task machining

							Dimensions, mm						
SSC	CZC <sub>MS</sub>	DMIN <sub>2</sub>	RMPX	CNSC	Ordering code	DCON	LF	WF	BAR	NM	KG	MIID	
10	C5	220.0	45°	3	C5-3-80-MN00115-10C	50	115.0	0.4	150	4.5	1.47	3-80-101108	
	C6	250.0	45°	3	C6-3-80-MN00115-10C	63	115.0	0.4	150	4.5	2.19	3-80-101108	

G

N = Neutral, R = Right hand, L = Left hand

SSC = To correspond with SSC on insert.

Spare parts										
SSC	CZC <sub>MS</sub>	Clamp	Clamp screw	Shim	Shim screw	Nozzle	Sealing plug screw	Coolant screw	Sealing plug screw	
10	C4-C5	5412 150-01	5516 010-02	5322 600-01	416.1-832	5691 026-05	3214 013-03	5512 104-01	3214 013-01	
10	C6	5412 150-01	5516 010-02	5322 600-01	416.1-832	5691 026-05	3214 013-03	5512 104-01	3214 013-01	

H

For complete list of spare parts, see [www.sandvik.coromant.com](http://www.sandvik.coromant.com)



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F2



E3



G2



H36



H35



H15



H5

# CoroTurn® 300 QS shank tool for turning

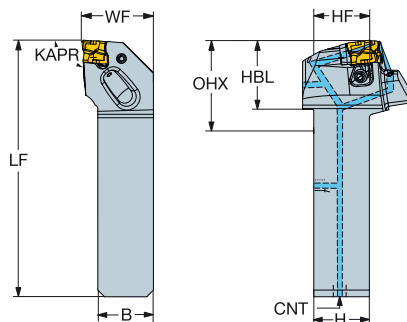
Lever clamp design

Precision coolant supply

KAPR 94.7°



3-80



		Dimensions, mm														
SSC	CZC <sub>MS</sub>	OHX	CNSC	Ordering code	B	H	HBL	LF	WF	HF	CNT	BAR	NM	KG	MID	
	10	20 x 20	54.0	3	QS-3-80LR/L202034-10C	20.0	20.0	34.0	103.0	25.0	20.0	G1/8	150	4.5	0.47	3-80-101108
		25 x 25	56.0	3	QS-3-80LR/L252531-10C	25.0	25.0	31.0	115.0	32.0	25.0	G1/8	150	4.5	0.68	3-80-101108

SSC = To correspond with SSC on insert.

R = Right hand, L = Left hand

Spare parts								
Clamp	Clamp screw	Shim	Shim screw	Nozzle	Sealing plug screw	Coolant screw	Sealing plug screw	Sealing plug screw
5412 150-01	5516 010-02	5322 600-01	416.1-832	5691 026-05	3214 013-03	5512 104-01	3214 013-01	3214 012-01

For complete list of spare parts, see [www.sandvik.coromant.com](http://www.sandvik.coromant.com)

