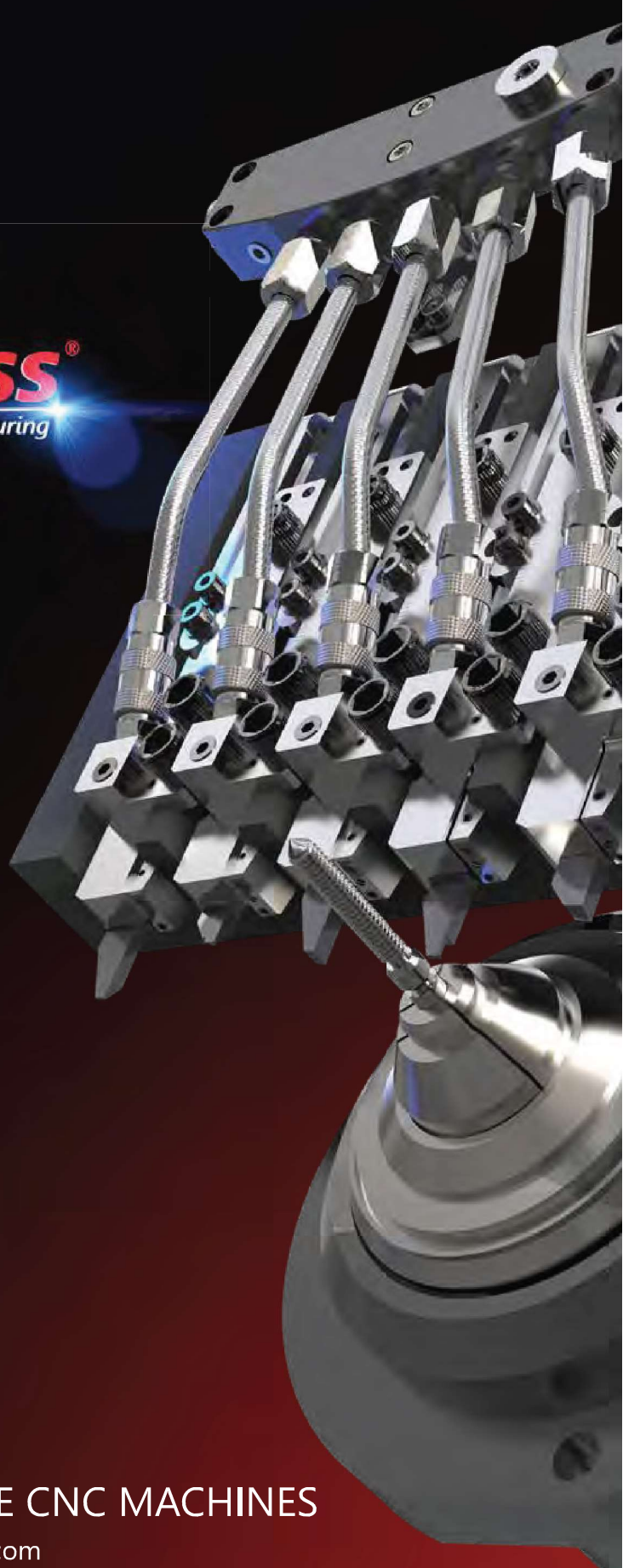




GenSwiss[®]
Advancing Small Parts Manufacturing

2019 Catalog

Version 10.19



TOOLING FOR SWISS-TYPE CNC MACHINES

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TORNOS DECO 13

Swiss Made by



Rigid steel housings absorb cutting forces and are resistant to thermal instability, providing better finish results

Multi-bearing layout is designed for mill cutting as well as simple drilling

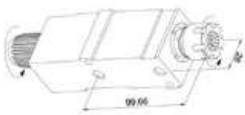
High-Precision bearings ensure free spinning rotation & long service life

All PCM spindles utilize REGO-FIX ER-collet nuts for tool-holding

Tornos DECO 13

(Machine's Live Tooling 8,000 RPM Rating)

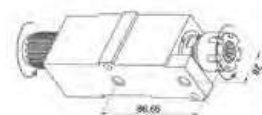
Operation	Item No.	(#Tools)Size	Output	Other
Cross Drilling / Milling	DE13-0001	(1) ER20	1:1	25mm height, 193 Length
	DE13-0001-H	(1) ER20	1:1	28mm height, 193 Length
	DE13-0002	(1) ER20	1:1	25mm height, 180 Length
	DE13-0002-H	(1) ER20	1:1	28mm height, 180 Length
	DE13-0003	(1) ER20	1:1	25mm height, 218 Length
	DE13-0003-H	(1) ER20	1:1	28mm height, 218 Length
Angled Drilling / Milling	DE13-0010	(3) ER11	1:1	
	DE13-0020	(1) ER11	1:1	Adjustable 0-180°
	DE13-0041	(1) ER11	1:1	Adjustable 0-90°
	DE13-0042	(1) ER11	1:1	Adjustable 0-90°
End Drilling / Milling	DE13-0011	(1) ER11	1:1	
	DE13-0012	(1) ER11	1:1	
Polygon Milling	DE13-0015	(1) Ø16	1:1	Max tool Ø80mm
Tool Holder	DE13-0050	(1) Ø25		For high speed broaches
	DE13-0060	(1) Ø25		
	DE13-OF-030	(1) Ø20		
	DE13-GTF-010	(1) 12x12mm		
	DE13-HF-220	(1) Ø22		For high speed broaches
Whirling	DE13-W15	(1) Utilis	1:1	9 or 12 Insert cutter, Adjustable ±15°, Coolant-thru
	DE13-W25	(1) Utilis	1:1	9 or 12 Insert cutter, Adjustable ±25°, Coolant-thru



DE13-0001
Cross Drilling / Milling
Collet Size: ER20
Output: 1:1
Height 25mm



DE13-0001-H
Cross Drilling / Milling
Collet Size: ER20
Output: 1:1
Height 28mm

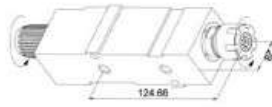


DE13-0002
Cross Drilling / Milling
Collet Size: ER20
Output: 1:1

Tornos DECO 13



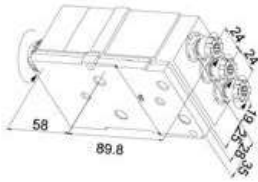
DE13-0002-H
Cross Drilling / Milling
 Collet Size: ER20
 Output: 1:1



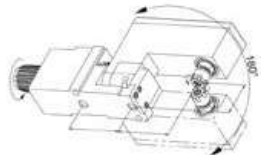
DE13-0003
Cross Drilling / Milling
 Collet Size: ER20
 Output: 1:1



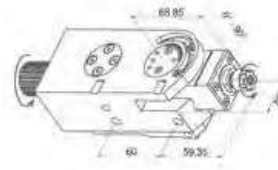
DE13-0003-H
Cross Drilling / Milling
 Collet Size: ER20
 Output: 1:1



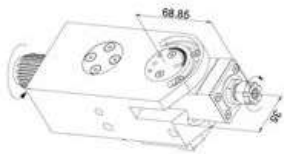
DE13-0010
Cross Drilling / Milling
 Collet Size: ER11
 Output: 1:1



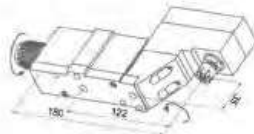
DE13-0020
Angled Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Adjustable 0-180°



DE13-0041
Angled Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Adjustable 0-90°



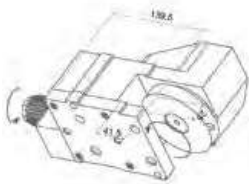
DE13-0042
Angled Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Adjustable 0-90°



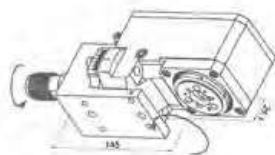
DE13-0011
End Drilling / Milling
 Collet Size: ER11
 Output: 1:1



DE13-0012
End Drilling / Milling
 Collet Size: ER11
 Output: 1:1



DE13-0015
Polygon Milling
 Tool ID: Ø16mm
 Output: 1:1
 Max Tool Ø80mm



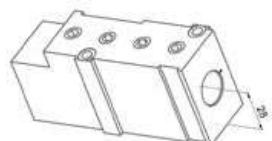
DE13-W15
Thread Whirling
 Ring: Utilis
 Output: 1:1
 9 or 12 insert cutter,
 Flight Circle Ø12mm,
 Uses 2 Tooling Positions
 Adjustable ±15°
 Coolant-Thru



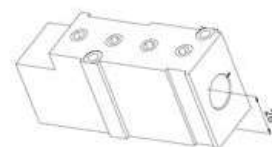
DE13-W25
Thread Whirling
 Ring: Utilis
 Output: 1:1
 7 or 9 insert cutter,
 Uses 2 Tooling Positions
 Adjustable ±25°
 Coolant-Thru



DEC13-0050
Tool Holder
 Tool Size: Ø25mm
 For High Speed Broaches



DEC13-0060
Tool Holder
 Tool Size: Ø25mm



DE13-OF-030
Tool Holder
 Tool Size: Ø20mm

TORNOS DECO 20

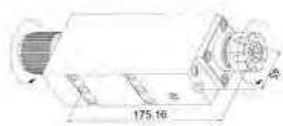
Swiss Made by



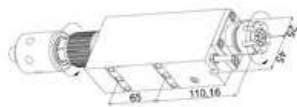
Tornos DECO 20

(Machine's Live Tooling 8,000 RPM Rating)

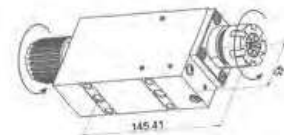
Operation	Item No.	(#Tools)Size	Output	Coolant Thru	Other
Drilling / Milling	DE20-0001	(1) ER25	1:1	External	258mm length
	DE20-0001-HP	(1) ER25	1:1	Int + Ext	258mm length
	DE20-0002	(1) ER25	1:1	External	228mm length
	DE20-0002-HP	(1) ER25	1:1	Int + Ext	228mm length
	DE20-0002-CR	(1) ER11 to ER20	1:1	External	Quick change, 187mm length
	DE20-0003	(1) ER25	1:1	External	292mm length
	DE20-0003-HP	(1) ER25	1:1	Int + Ext	292mm length
	DE20-0003-IK	(1) ER25	1:1	Int + Ext	292mm length
	DE20-0003-CR	(1) ER11 to ER20	1:1	External	Quick change, 277mm length
	DE20-0003-2X	(1) ER11	1:2		High speed, 277mm length
	DE20-0010	(3) ER11	1:1	External	Uses two locations
Angled Drilling / Milling	DE20-0011	(1) ER16	1:1		
	DE20-0004	(1) ER11	1:1	External	Adjustable 0-90°
	DE20-0005	(1) ER11	1:1	External	Adjustable 0-180°
	DE20-0020	(1) ER16	1:1		Adjustable 0-180°
Tool Holder	DE20-2160-L	(1) Ø8mm	1:1	External	Broaching holder, 319mm length
	DE20-OF-010	(1) 16x16mm			20mm height
	DE20-OF-020	(1) 16x16mm			24mm height
	DE20-OF-030	(1) Ø20		External	25mm height
	DE20-OF-040	(1) Ø25		External	25mm height
Whirling	DE20-W15	(1) Utilis	1:1	External	9 or 12 insert cutter, Ø12mm flight circle
	DE20-W15-II	(1) Utilis	1:1	External	9 or 12 insert cutter, Ø12mm flight circle



DE20-0001
Drilling / Milling
Collet Size: ER25
Output: 1:1
Length 258mm
Coolant-Thru (Ext)



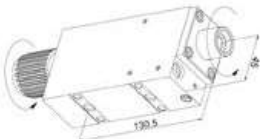
DE20-0001-HP
Drilling / Milling
Collet Size: ER25
Output: 1:1
Length 258mm
Coolant-Thru (Int+Ext)



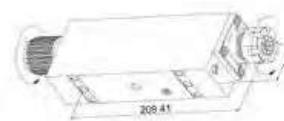
DE20-0002
Drilling / Milling
Collet Size: ER25
Output: 1:1
Length 228mm
Coolant-Thru (Ext)



DE20-0002-HP
Drilling / Milling
Collet Size: ER25
Output: 1:1
Length 228mm
Coolant-Thru (Int+Ext)



DE20-0002-CR
Drilling / Milling
Collet Size: ER11 to ER20
Output: 1:1
Length 187mm
Coolant-Thru (Ext)
Quick Change



DE20-0003
Drilling / Milling
Collet Size: ER25
Output: 1:1
Length 292mm
Coolant-Thru (Ext)

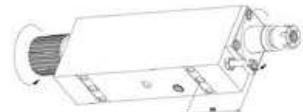
Tornos DECO 20



DE20-0003-HP
Drilling / Milling
 Collet Size: ER25
 Output: 1:1
 Length 292mm
 Coolant-Thru (Int+Ext)



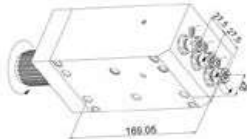
DE20-0003-IK
Drilling / Milling
 Collet Size: ER25
 Output: 1:1
 Length 292mm
 Coolant-Thru (Int+Ext)



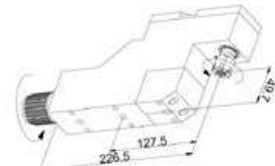
DE20-0003-CR
Drilling / Milling
 Collet Size: ER11 to ER20
 Output: 1:1
 Length 277mm
 Coolant-Thru (Ext)



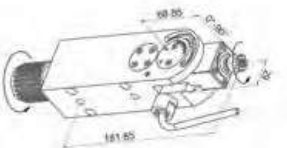
DE20-0003-2X
Drilling / Milling
 Collet Size: ER11
 Output: 1:2
 Length 277mm
 High Speed



DE20-0010
Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Coolant-Thru (Ext)
 Uses Two Locations



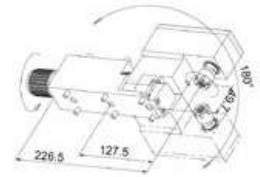
DE20-0011
Drilling / Milling
 Collet Size: ER16
 Output: 1:1



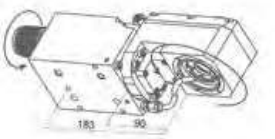
DE20-0004
Angled Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Coolant-Thru (Ext)
 Adjustable 0-90°



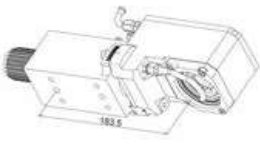
DE20-0005
Angled Drilling / Milling
 Collet Size: ER11
 Output: 1:1
 Coolant-Thru (Ext)
 Adjustable 0-180°



DE20-0020
Angled Drilling / Milling
 Collet Size: ER16
 Output: 1:1
 Adjustable 0-180°



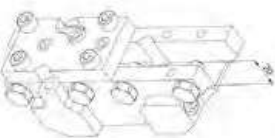
DE20-W15
Thread Whirling
 Ring: Utilis
 Output: 1:1
 9 or 12 Insert Cutter,
 Flight Circle Ø12mm
 Coolant-Thru (Ext)



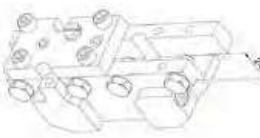
DE20-W15-II
Thread Whirling
 Ring: Utilis
 Output: 1:1
 9 or 12 Insert Cutter,
 Flight Circle Ø12mm
 Coolant-Thru (Ext)



DE20-2160L
Tool Holder
 Tool Size: Ø8mm
 Length 319mm
 Coolant-Thru (Ext)
 Broach Holder



DE20-OF-010
Tool Holder
 Tool Size: 16x16mm
 Height 20mm



DE20-OF-020
Tool Holder
 Tool Size: 16x16mm
 Height 24mm



DE20-OF-030
Tool Holder
 Tool Size: Ø20mm
 Height 25mm
 Coolant-Thru (Ext)

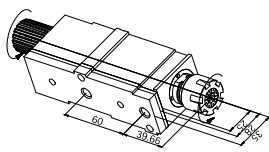
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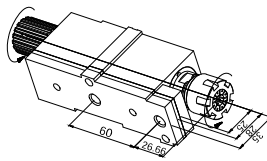


(Machine's Live Tooling 8,000 RPM Rating)

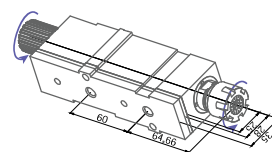
Operation	Item No.	(#Tools)Size	Output	Coolant Thru	Other
Drilling / Milling	DE13-0001-H	(1) ER20	1:1		
	DE13-0002-H	(1) ER20	1:1		
	DE13-0003-H	(1) ER20	1:1		
	DE13-0006	(1) ER16	1:1		
Polygon Milling	DE13-0015	(1) Ø16	1:1		



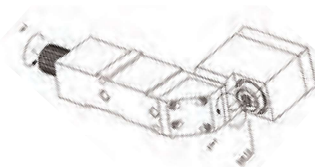
DE13-0001-H
Drilling / Milling
Collet Size: ER20
Output: 1:1



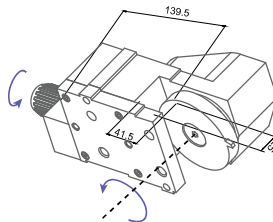
DE13-0002-H
Drilling / Milling
Collet Size: ER20
Output: 1:1



DE13-0003-H
Drilling / Milling
Collet Size: ER20
Output: 1:1



DE13-0006
Drilling / Milling
Collet Size: ER16
Output: 1:1



DE13-0015
Polygon Milling
Tool ID: Ø16mm
Output: 1:1

REPAIRS & RESTORATION

One of the benefits of buying live tooling and spindles from GenSwiss, is knowing we will repair them too. We will repair your spindle at a fraction of the cost to purchase a brand new one and have your Swiss-style CNC running again in no time.



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- **PCM and major OEM brands: CITIZEN, STAR, TSUGAMI, TORNOS**
- **\$50 evaluation and inspection (effective January 1st, 2020)**
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