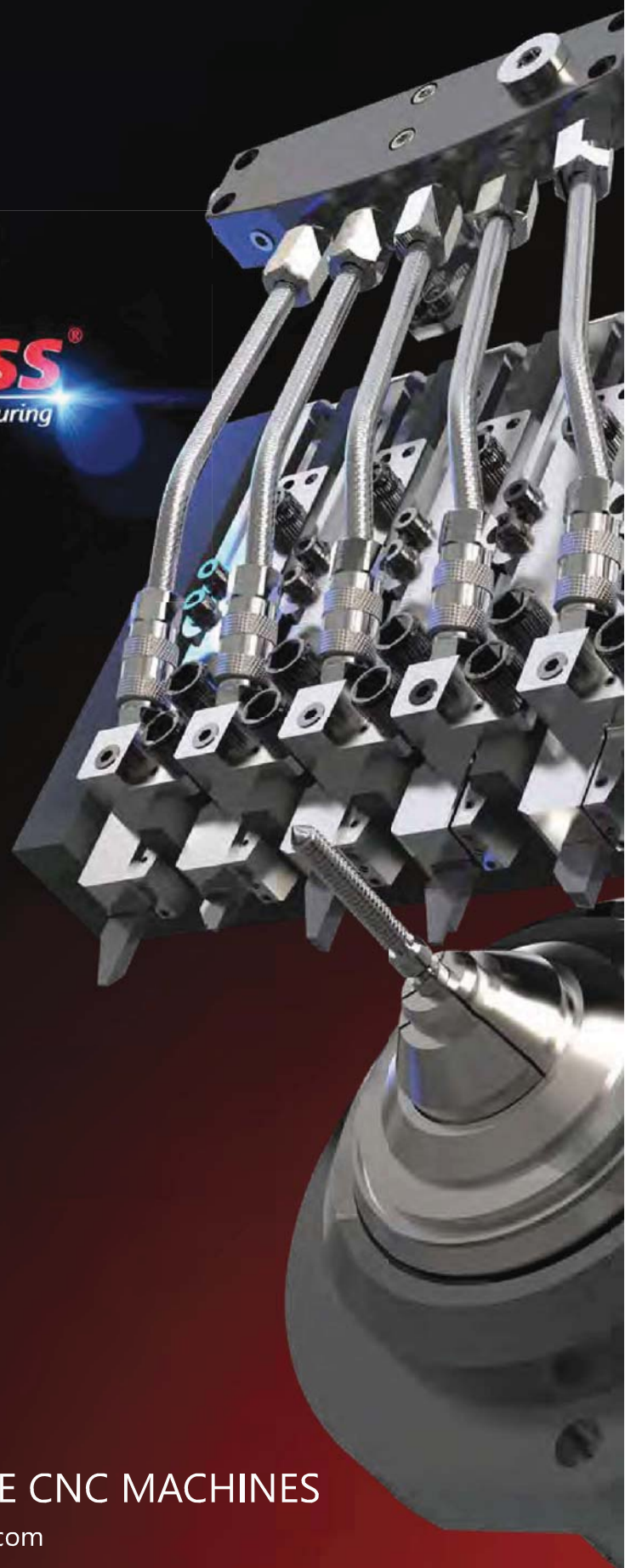




2019 Catalog

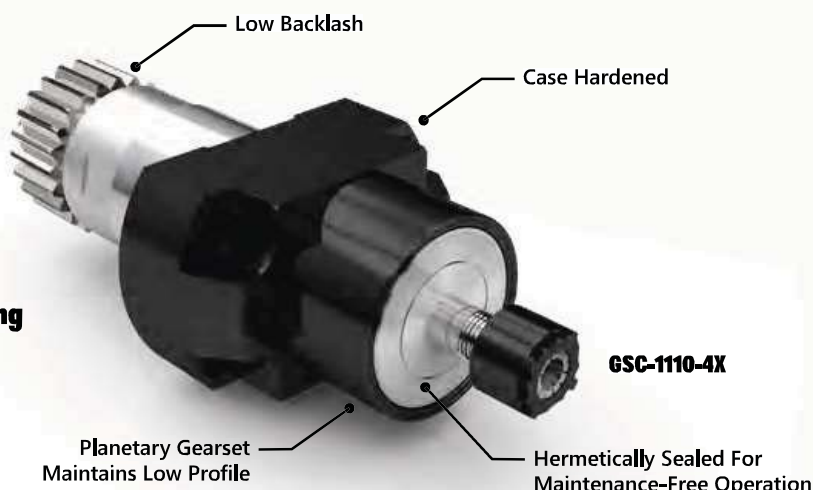
Version 10.19



TOOLING FOR SWISS-TYPE CNC MACHINES

www.genswiss.com

Up To 30,000 RPM
Optimized For Micro Drilling & Milling

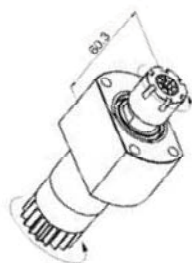


Citizen A20VII

(Machine's Live Tooling 4,500 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Machine	Other
Gang Slide	Cross Drilling / Milling	BSC-2330	(1) ER11	1:1	A ₃ 20VII	Double ended
		GSC-1110	(1) ER16	1:1	A ₃ 20VII	
		GSC-1110-4X	(1) ER08	1:3.8	A ₃ 20VII	Up to 30,000 RPM
	Angled Drilling / Milling	GSC-1310-HP	(1) ER16	1:1	A ₃ 20VII	High pressure coolant, G1/8 fitting
		BSA-107	(1) ER11	1:1	A ₂ 20VII, A ₃ 20VII	Adjustable 0-180°
		BSA-2010	(6) ER16	1:1	A ₃ 20VII	Double ended, adjustable 0-21°
	End Drilling / Milling	BSE-1007	(2) ER11	1:1	A ₂ 20VII, A ₃ 20VII	Double ended
		BSE-207	(2) ER11	1:1	A ₂ 20VII, A ₃ 20VII	
		BSE-2007	(4) ER11	1:1	A ₂ 20VII, A ₃ 20VII	Double ended
		BSE-2007-2X	(4) ER11	1:2	A ₂ 20VII, A ₃ 20VII	Double ended
		BSE-3107	(3) ER11	1:1	A ₂ 20VII, A ₃ 20VII	
		BSE-3206	(6) ER11	1:1	A ₂ 20VII, A ₃ 20VII	Double ended
	Polygon Milling	BSP-509	(1) Ø13	1:1	A ₂ 20VII	
		BSP-512	(1) Ø10	1:1	A ₂ 20VII	
	Slitting Saw	GSC-1307-DEC	(1) Ø16	1:1	A ₃ 20VII	
	Thread Whirling	BSW-215	(1) Utilis	1:1	A ₂ 20VII, A ₃ 20VII	9 or 12 insert cutter, adjustable ±15°
	Tool Holder	GDF-1207-L	(4) Ø19.05		A ₂ 20VII	4 position 3/4" Ø sleeves, added bearing
	Modular	Citizen6-GSP-518 Polygon Milling	(1) Ø8	1:1		Cutter OD: up to 45mm
		Citizen6-GSW-210 Thread Whirling	(1) Utilis	1:1		Spindle base with modular GSW-210 whirling head
		Citizen6-GSW-220 Thread Whirling	(1) Utilis	1:1		Spindle base with modular GSW-220 whirling head
Sub Spindle	Cross Drilling / Milling	BSC-510-3X-L	(1) ER11	1:3	A ₂ 20VII	High speed, added bearing
		GSE-3307-3X	(1) ER08	1:3	A ₃ 20VII	High speed
	End Drilling / Milling	GSE-3307-L-3X	(1) ER08	1:3	A ₃ 20VII	High speed, added bearing
		MSC-507-4X *	(1) ER08	1:3.8	A ₃ 20VII	High speed, up to 30,000 RPM
		MSC-507-II *	(1) ER11	1:1	A ₃ 20VII	
		MSC-507-L *	(1) ER11	1:1	A ₂ 20VII, A ₃ 20VII	Added bearing

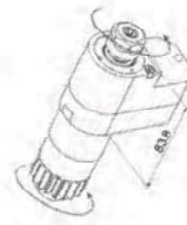
* MSC tools require optional back rotary tool (U153B)



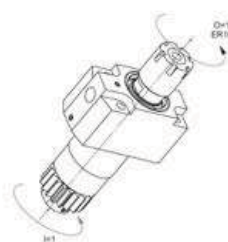
GSC-1110
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
A₃20VII



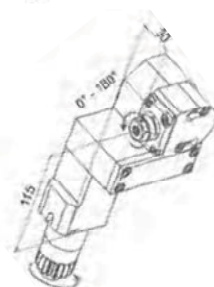
GSC-1110-4X
Cross Drill/Mill
Collet Size: ER08
Output: 1:3.8
High Speed Spindle
A₃20VII



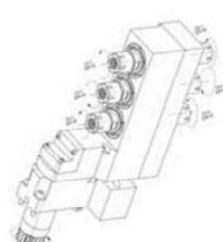
BSC-510-3X-L
Cross Drill/Mill
Collet Size: ER11
Output: 1:3
A₂20VII



GSC-1310-HP
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
High Pressure Coolant
G1/8 Fitting
[PN#4005-000104]
A₃20VII



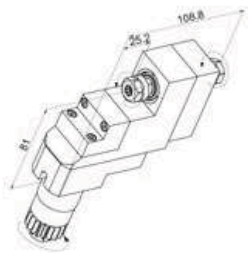
BSA-107
Angled Drill/Mill
Collet Size: ER11
Output: 1:1
Adjustable 0-180°
A₂20VII
A₃20VII



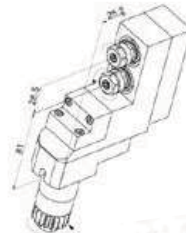
BSA-2010
Angled Drill/Mill
Collet Size: ER16
Output: 1:1
Adjustable 0-180°
Crashes with U150B
when working with
T11 and T12
A₃20VII

Citizen Cincom A20

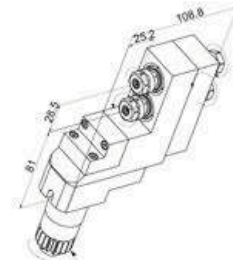
Gang Slide



**BSE-1007
End Drill/Mill**
Collet Size: ER11
Output: 1:1
A₂20VII
A₃20VII



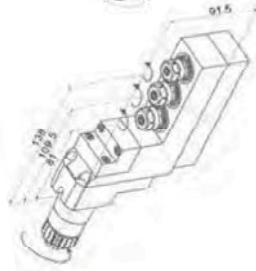
**BSE-207
End Drill/Mill**
Collet Size: ER16
Output: 1:1
A₂20VII
A₃20VII



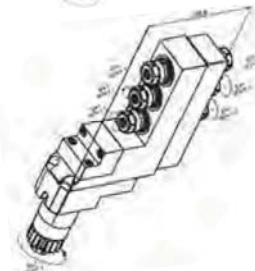
**BSE-2007
End Drill/Mill**
Collet Size: ER11
Output: 1:1
A₂20VII
A₃20VII



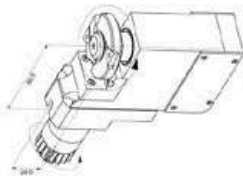
**BSE-2007-2X
End Drill/Mill**
Collet Size: ER11
Output: 1:2
A₂20VII
A₃20VII



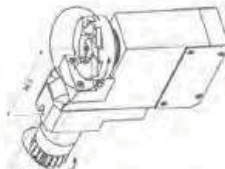
**BSE-3107
End Drill/Mill**
Collet Size: ER11
Output: 1:1
A₂20VII
A₃20VII



**BSE-3206
End Drill/Mill**
Collet Size: ER11
Output: 1:1
A₂20VII
A₃20VII



**BSP-509
Polygon Milling**
Tool ID Size: Ø13mm
Output: 1:1
A₂20VII
A₃20VII



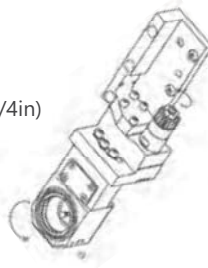
**BSP-512
Polygon Milling**
Tool ID Size: Ø10mm
Output: 1:1
A₂20VII
A₃20VII



**GSC-1307-DEC
Slitting Saw**
Arbor Size: Ø16mm
Output: 1:1
Max Tool Ø: 63mm
Max Tool Width: 6mm
A₂20VII

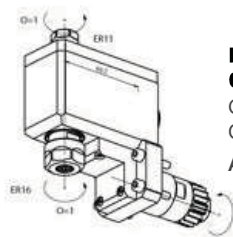


**GDF-1207-L
Tool Holder**
Tool Size: Ø19.05mm (3/4in)
4 Tool Positions
A₂20VII

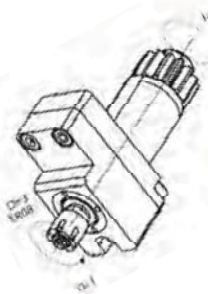


**BSW-215
Thread Whirling**
Ring: Utilis
Output: 1:1
A₂20VII

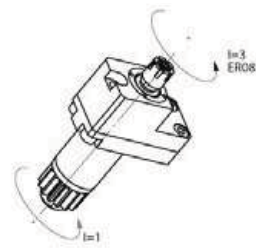
Sub Spindle



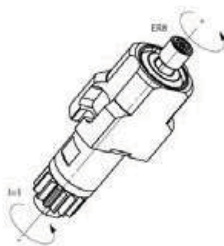
**BSC-2330
Cross Drill/Mill**
Collet Size: ER11, ER16
Output: 1:1
A₃20VII



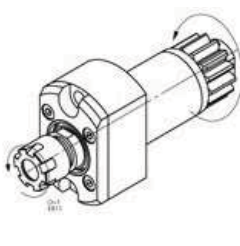
**GSE-3307-3X
End Drill/Mill**
Collet Size: ER08
Output: 1:3
A₃20VII



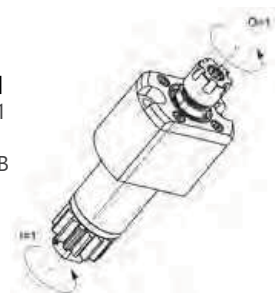
**GSE-3307-L-3X
End Drill/Mill**
Collet Size: ER08
Output: 1:3
A₃20VII



**MSC-507-4X
End Drill/Mill**
Collet Size: ER08
Output: 1:3.8
*Requires U152B
A₃20VII



**MSC-507-II
End Drill/Mill**
Collet Size: ER11
Output: 1:1
*Requires U152B
A₃20VII



**MSC-507-L
End Drill/Mill**
Collet Size: ER11
Output: 1:1
*Requires U152B
A₂20VII
A₃20VII

CITIZEN c16

Swiss Made by



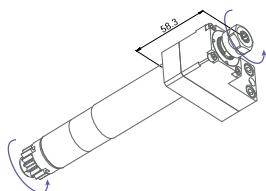
GSC-607-2X

Citizen C16-VII & C16-IX

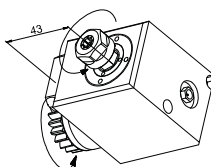
(Machine's Live Tooling 8,000 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	Cross Drilling / Milling	GSC-607-2X	(1) ER11	1:2	
		GSC-707	(1) ER11	1:1	
	Angled Drilling / Milling	GSA-407	(1) ER11	1:2.5	Adjustable 0-180°
		GSE-507	(1) ER11	1:1	
	End Drilling / Milling	GSE-507-2X	(1) ER11	1:2	
		GSE-507-DE	(1) ER11 (1) ER08	1:1	Double ended
		GSE-508	(1) ER11	1:1	
		GSE-707	(1) ER11	1:1	
		GSE-708	(1) ER11	1.65:1	
		GSE-807	(1) ER11	1:1	
	Polygon Milling	GSE-808	(1) ER11	1:1	
		GSE-8-3X	(1) ER08	1:3	
		GSE-509	(1) Ø10	1.6:1	
		GSS-250	(1) Ø16	2:1	
	Slitting Saw	GSS-250-13	(1) Ø13	2:1	
		GSS-250-15	(1) Ø15.875	2:1	
		GSS-450	(1) Ø16	4:1	
	Tool Holder	GDF901	(1) Ø19.05		
		GDF-901-HF	(1) Ø25		Holds Ibag/Meyrat spindles
		GDF-901-S1X6	(1) Ø6		
		GDF-901-S2X6	(2) Ø6		
		GDF-901-S1X4	(1) Ø4		
		GDF-901-S2X4	(2) Ø4		
	Whirling	SAU-319	(1) Ø19.05		
		LSW-424	(1) Utilis	1:1	

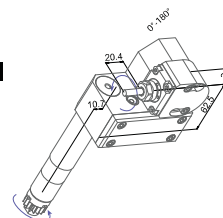
Gang Slide



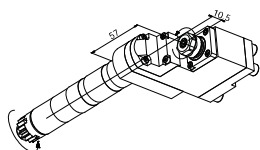
GSC-607-2X
Cross Drill/Mill
Collet Size: ER11
Output: 1:2



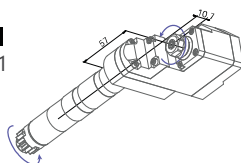
GSC-707
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



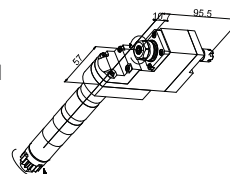
GSA-407
Angled Drill/Mill
Collet Size: ER11
Output: 1:2.5
Adjustable 0-180°
Interferes with adjacent tooling position



GSE-507
End Drill/Mill
Collet Size: ER11
Output: 1:1



GSE-507-2X
End Drill/Mill
Collet Size: ER11
Output: 1:2
High Speed

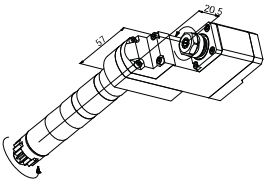


GSE-507-DE
End Drill/Mill
Collet Size: ER08, ER11
Output: 1:1
Double Ended

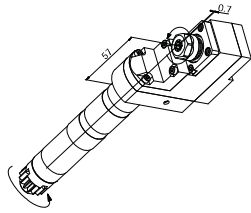
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Citizen Cincom C16

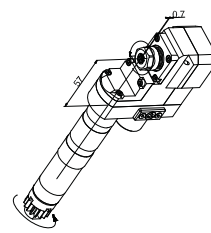
Gang Slide



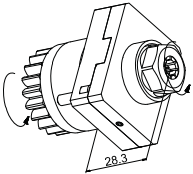
**GSE-508
End Drill/Mill**
Collet Size: ER11
Output: 1:1



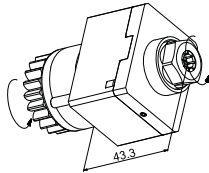
**GSE-707
End Drill/Mill**
Collet Size: ER11
Output: 1:1



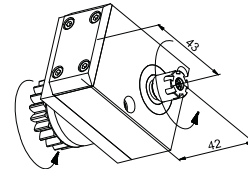
**GSE-708
End Drill/Mill**
Collet Size: ER11
Output: 1.65:1



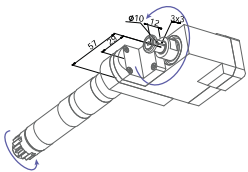
**GSE-807
End Drill/Mill**
Collet Size: ER11
Output: 1:1



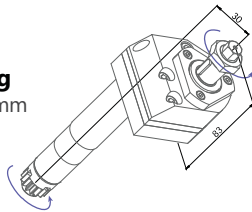
**GSE-808
End Drill/Mill**
Collet Size: ER11
Output: 1:1



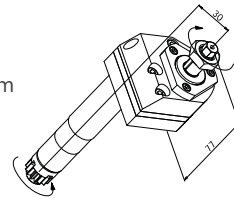
**GSE-8-3X
End Drill/Mill**
Collet Size: ER08
Output: 1:3



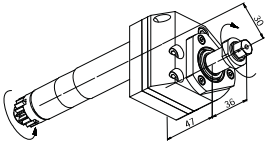
**GSE-509
Polygon Milling**
Tool ID Size: Ø10mm
Output: 1.6:1



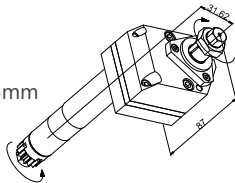
**GSS-250
Slitting Saw**
Arbor Size: Ø16mm
Output: 2:1



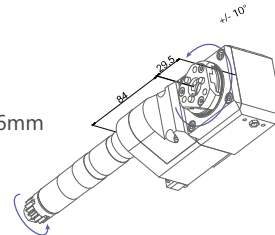
**GSS-250-13
Slitting Saw**
Arbor Size: Ø13mm
Output: 2:1



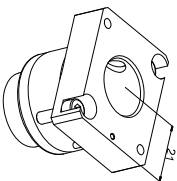
**GSS-250-15
Slitting Saw**
Arbor Size: Ø15.875mm
Output: 2:1



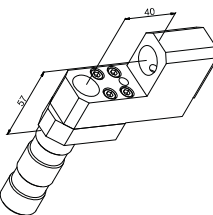
**GSS-450
Slitting Saw**
Arbor Size: Ø16mm
Output: 4:1



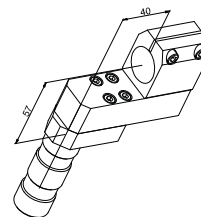
**LSW-424
Thread Whirling**
Ring: Utilis
Output: 1:1



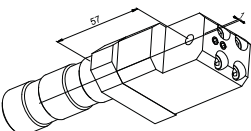
**SAU-319
Tool Holder**
Tool Size: Ø19.05mm



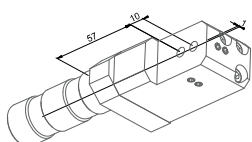
**GDF901
Tool Holder**
Tool Size: Ø19.05mm



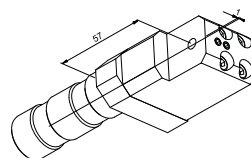
**GDF-901-HF
Tool Holder**
Tool Size: Ø25mm
Holds Ibag/Meyrat Spindles



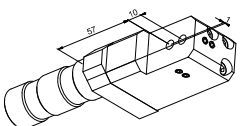
**GDF-901-S1X6
Tool Holder**
Tool Size: Ø6mm



**GDF-901-S2X6
Tool Holder**
Tool Size: Ø6mm



**GDF-901-S1X4
Tool Holder**
Tool Size: Ø4mm



**GDF-901-S2X4
Tool Holder**
Tool Size: Ø4mm

CITIZEN K12 & K16

Swiss Made by



GSC-850-2X

Citizen K12 & K16

(Machine's Live Tooling 6,000 RPM Rating)

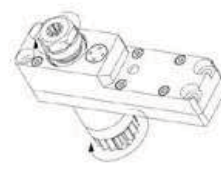
Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	Cross Drilling / Milling	GSC-807	(1) ER11	1:1	
		CIT-GSC807-GS	(1)ER11	1:1	
		GSC-815	(1) ER11	3:2	
		GSC-816	(2) ER11	1:0.666 1:1	
		GSC-850-2X	(1) ER11	1:2	
		GSC-860	(2) ER11	1:1	
	End Drilling / Milling	GSE-2107	(1) ER11	1:1	
		GSE-2107-2X	(1) ER11	1:2	
		GSE-2207	(1) ER11	1:1	
		GSE-2207-2X	(1) ER11	1:2.086	
		GSE-2307	(2) ER11	1:1	
		GSE-2407	(4) ER11	1:1	Double ended, Position T12-14 Right
		GSE-2407-2X	(4) ER11	1:2	Double ended, Position T12-14 Right
		GSE-2507	(4) ER11	1:1	Double ended, Position T12-14 Left
		GSE-2507-2X	(4) ER11	1:2	Double ended, Position T12-14 Left
		GSS-2145	(1) Ø8	1:1	Max tool Ø58mm, Width 3mm
	Slitting Saw	GSH-035	(1) Ø3.5	3:2	Hobbing disk Ø8mm, 8mm thick, Requires 2 tool positions
		GSH-036	(1) Ø3.5	3:2	Hobbing disk Ø8mm, 8mm thick, Requires 1 tool position
		GSH-036-L	(1) Ø3.5	3:2	Hobbing disk Ø8mm, 12mm thick, Requires 1 tool positions
		GSH-037	(1) Ø3.5	3:2	Hobbing disk Ø16mm, 8mm thick, Requires 1 tool position
		GSH-038	(1) Ø5	3:2	Hobbing disk Ø16mm, 8mm thick, Requires 1 tool position
	Tool Holder	U151HF-MHF	(2) Ø20 (2) Ø22		Meyrat spindles, Replace U150B or U151B
		U151HF-IBAG	(2) Ø20 (2) Ø22		Ibag spindles, Replace U150B or U151B
		BDF-101-HF	(1) Ø22		For high speed spindles, Ibag/Meyrat spindles
		BDF-102-HF	(2) Ø22		For high speed spindles, Ibag/Meyrat
		BDF-103-HF	(2) Ø22		For high speed spindles
		BDF-104-HF	(1) Ø20		For high speed spindles
		BDF-105	(1) Ø19.05		
		BDF-106	(2) Ø20		
		BDF-107	(2) Ø19.05		
		GSW-101	(1) Utilis	1:1	7 or 9 insert cutter, Adjustable ±15°, Flight circle Ø6mm
Sub Spindle	End Drilling / Milling	GSC-807	(1) ER11	1:1	
		CIT-GSC1107-GS	(1) ER11	1:1	



GSC-807
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



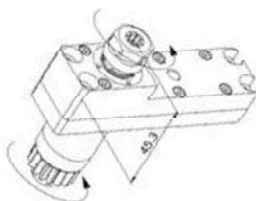
CIT-GSC807-GS
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



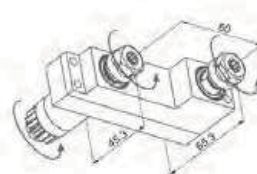
GSC-815
Cross Drill/Mill
Collet Size: ER11
Output: 3:2



GSC-816
Cross Drill/Mill
Collet Size: ER11
Output: 1:0.6, 1:1



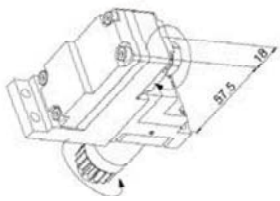
GSC-850-2X
Cross Drill/Mill
Collet Size: ER11
Output: 1:2



GSC-860
Cross Drill/Mill
Collet Size: ER11
Output: 3:2

Citizen Cincom K12 & K16

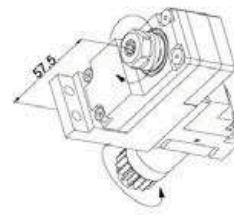
Gang Slide



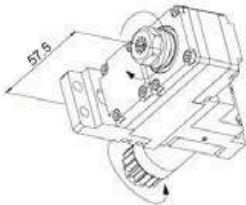
**GSE-2107
End Drill/Mill**
Collet Size: ER11
Output: 1:1



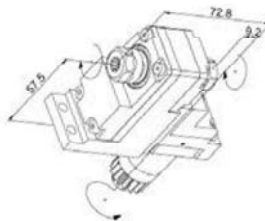
**GSE-2107-2X
End Drill/Mill**
Collet Size: ER11
Output: 1:2



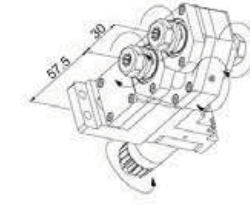
**GSE-2207
End Drill/Mill**
Collet Size: ER11
Output: 1:1



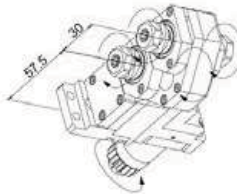
**GSE-2207-2X
End Drill/Mill**
Collet Size: ER11
Output: 1:2



**GSE-2307
End Drill/Mill**
Collet Size: ER11
Output: 1:1



**GSE-2407
End Drill/Mill**
Collet Size: ER11
Output: 1:1



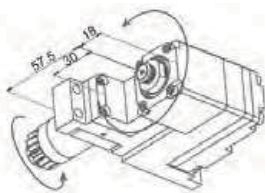
**GSE-2407-2X
End Drill/Mill**
Collet Size: ER11
Output: 1:2



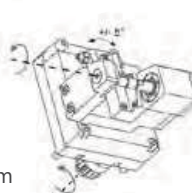
**GSE-2507
End Drill/Mill**
Collet Size: ER11
Output: 1:1



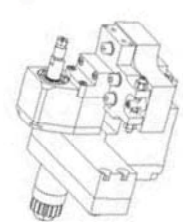
**GSE-2507-2X
End Drill/Mill**
Collet Size: ER11
Output: 1:2



**GSS-2145
Slitting Saw**
Arbor Size: Ø8mm
Output: 1:1
Max Tool Ø: 58mm
Max Tool Thickness: 3mm



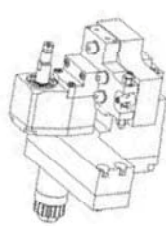
**GSH-035
Gear Hobbing**
ID Size: Ø3.5mm
Output: 1.5:1
Hobb OD: Ø8mm
Hobb Thickness: 8mm
Requires 2 tool positions



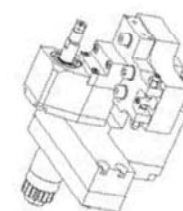
**GSH-036
Gear Hobbing**
ID Size: Ø3.5mm
Output: 1.5:1
Hobb OD: Ø8mm
Hobb Thickness: 8mm
Requires 1 tool positions



**GSH-036-L
Gear Hobbing**
ID Size: Ø3.5mm
Output: 3:2
Hobb OD: Ø8mm
Hobb Thickness: 12mm
Requires 1 tool positions



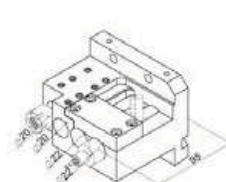
**GSH-037
Gear Hobbing**
ID Size: Ø3.5mm
Output: 1.5:1
Hobb OD: Ø16mm
Hobb Thickness: 8mm
Requires 1 tool positions



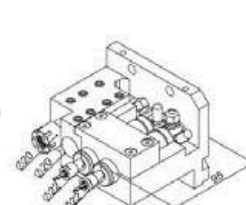
**GSH-038
Gear Hobbing**
ID Size: Ø5mm
Output: 1.5:1
Hobb OD: Ø16mm
Hobb Thickness: 8mm
Requires 1 tool positions



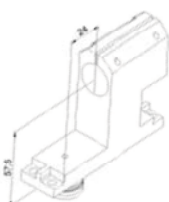
**GSW-101
Whirling**
Ring: Utilis
Output: 1:1
7 or 9 Insert Cutter
Flight Circle: Ø6



**U151HF-MHF
Tool Holder**
Tool Size: Ø20, Ø22mm
For Meyrat Spindles
Replaces U150B
or U151B



**U151HF-IBAG
Tool Holder**
Tool Size: Ø20, Ø22mm
For Ibag Spindles
Replaces U150B or U151B



**BDF-101-HF
Tool Holder**
Tool Size: Ø22mm
For High Speed Spindles,
Ibag/Meyrat Spindles



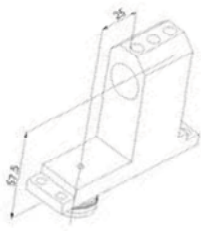
**BDF-102-HF
Tool Holder**
Tool Size: Ø22mm
For High Speed Spindles,
Ibag/Meyrat Spindles



**BDF-103-HF
Tool Holder**
Tool Size: Ø22mm
For High Speed Spindles

Citizen Cincom K12 & K16

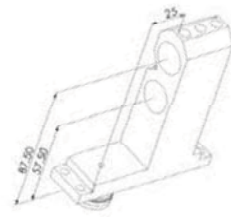
Gang Slide



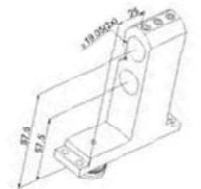
**BDF-104-HF
Tool Holder**
Tool Size: Ø20mm
For High Speed Spindles



**BDF-105
Tool Holder**
Tool Size: Ø19.05mm



**BDF-106
Tool Holder**
Tool Size: Ø20mm



**BDF-107
Tool Holder**
Tool Size: Ø19.05mm

Sub Spindle



**GSC-807
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



**CIT-GSC1107-GS
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1

Citizen L12

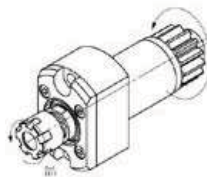
(Machine's Live Tooling 10,000 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
	Cross Drilling / Milling	MSC-507-L	(1) ER11	1:1	
		MSC-507-II	(1) ER11	1:1	
		MSC-507-2X	(1) ER11	1:2	
		MSC-507-4X	(1) ER08	1:3.8	
		MSC-507-ER20	(1) ER20	1:1	
		MSC-512	(1) ER16	1:1	
	End Drilling / Milling	MSC-513	(1) ER20	1:1	
		GSE-1207-3X	(1) ER11	1:3	High speed spindle, Adjustable $\pm 30^\circ$, Double ended
		GSE-3307-L-3X	(1) ER08	1:3	High speed spindle
		GSE-3507-3X	(1) ER11	1:3	High speed spindle
		GSE-3607-1B	(1) ER11	1:1	Adjustable $\pm 45^\circ$
		GSE-3607-2B	(2) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-3B	(3) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-1D	(2) ER11	1:1	Double ended, Adjustable $\pm 45^\circ$
		GSE-3607-2D	(4) ER11	1:1	Double ended, Adjustable $\pm 30^\circ$
		GSE-3607-3D	(6) ER11	1:1	Double ended, Adjustable $\pm 30^\circ$
		GSE-3607-1M	(1) ER11	1:1	Adjustable $\pm 45^\circ$
		GSE-3607-2M	(2) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-3M	(3) ER11	1:1	Adjustable $\pm 30^\circ$
		MSE-1007	(2) ER11	1:1	Requires 3 positions
	Slitting Saw	GSS-1530	(1) ER11	5:3	Max tool $\varnothing 63\text{mm}$, Width 2mm
		GSS610	(1) $\varnothing 10$	1:1	Max tool $\varnothing 40\text{mm}$, Width 4.5mm
	Polygon Milling	GSF-080	(1) $\varnothing 08$	1:1	Max tool $\varnothing 58\text{mm}$, Width 3mm
	Hobbing	MSH507	(1) $\varnothing 4.5$	1:1	Disk $\varnothing 12\text{mm}$, Width 10mm
	Whirling	LSW-515	(1) Utilis	1:1	7 or 9 insert cutter, 6mm flight $\varnothing$
	Tool Holders	GDF9001S24	(2) 4mm		
		GDF9001S24-II	(2) 4mm		Adjustable ± 0.2
		GDF9001S26	(2) 6mm		
	Modular Base				
	Modular Heads	Citizen5-PCR			
		Citizen5-GSP-218 Polygon Milling	(1) $\varnothing 08$	1:1	Max tool $\varnothing 45\text{mm}$, Width 5mm
		Citizen5-LSH035 Gear Hobbing	(1) $\varnothing 3.5$	1:1	Disk $\varnothing 6-12\text{mm}$, Width 3-6mm
		Citizen5-LSH050 Gear Hobbing	(1) $\varnothing 5$	1:1	Disk $\varnothing 10-12\text{mm}$, Width 3-6mm
		Citizen5-LSH080 Gear Hobbing	(1) $\varnothing 8$	1:1	Disk $\varnothing 16-18\text{mm}$, Width 5-12mm
		Citizen5-LSH135 Gear Hobbing	(1) $\varnothing 3.5$	1:1	Disk $\varnothing 6-8\text{mm}$, Width 3-6mm
		Citizen5-LSH235 Gear Hobbing	(1) $\varnothing 3.5$	1:1	Disk $\varnothing 10\text{mm}$, Width 6mm
		Citizen5-GSW-210 Thread Whirling	(1) Utilis	1:1	Spindle base with modular GSW-210 whirling head
Sub Spindle	Cross Drilling / Milling	RSC507	(1) ER11	1:1	Max output torque 1Nm
	End Drilling / Milling	MSC-507-L	(1) ER11	1:1	
		MSC-507-II	(1) ER11	1:1	
		MSC-512	(1) ER16	1:1	
		MSC-513	(1) ER20	1:1	
		MSE-1007	(2) ER11	1:1	Double ended

Gang Slide



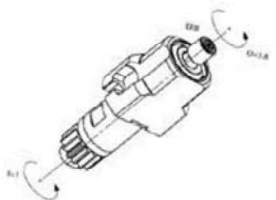
MSC-507-L
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



MSC-507-II
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



MSC-507-2X
Cross Drill/Mill
Collet Size: ER11
Output: 1:2
High Speed



MSC-507-4X
Cross Drill/Mill
Collet Size: ER08
Output: 1:3.8
High Speed



MSC-512
Cross Drill/Mill
Collet Size: ER16
Output: 1:1



MSC-513
Cross Drill/Mill
Collet Size: ER20
Output: 1:1

Citizen Cincom L12

Gang Slide



GSE-1207-3X End Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed Spindle,
Adjustable $\pm 30^\circ$
Double Ended



GSE-3307-L-3X End Drill/Mill

Collet Size: ER08
Output: 1:3



GSE-3507-3X End Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed Spindle,



GSE-3607-1B End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$



GSE-3607-2B End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



GSE-3607-3B End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



GSE-3607-1D End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$
Double Ended



GSE-3607-2D End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$
Double Ended



GSE-3607-3D End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$
Double Ended



GSE-3607-1M End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$



GSE-3607-2M End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



GSE-3607-3M End Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



MSE-1007 End Drill/Mill

Collet Size: ER11
Output: 1:1
Requires 3 Positions



GSS-1530 Slitting Saw

Collet Size: ER11
Output: 5:3
Max Tool $\varnothing 63\text{mm}$
Max Width 2mm



GSS610 Slitting Saw

Saw ID: 10mm
Output: 1:1
Max Tool $\varnothing 40\text{mm}$
Max Width 4.5mm



GSF-080 Polygon Milli

Tool ID Size: $\varnothing 8\text{mm}$
Output: 1:1
Max Tool $\varnothing 58\text{mm}$
Max Width 3mm



MSH-507 Gear Hobbing

ID Size: $\varnothing 4.5\text{mm}$
Output: 1:1
Hobb OD: $\varnothing 12\text{mm}$
Hobb Thickness: 10mm



LSW-515 Thread Whirling

Ring: Utilis
Output: 1:1
7 or 9 Insert Cutter
Flight Circle: $\varnothing 6\text{mm}$



GDF9001S24 Tool Holders

Tool Size: $\varnothing 4\text{mm}$



GDF9001S24-II Tool Holders

Tool Size: $\varnothing 4\text{mm}$
Adjustable ± 0.2



GDF9001S26 Tool Holders

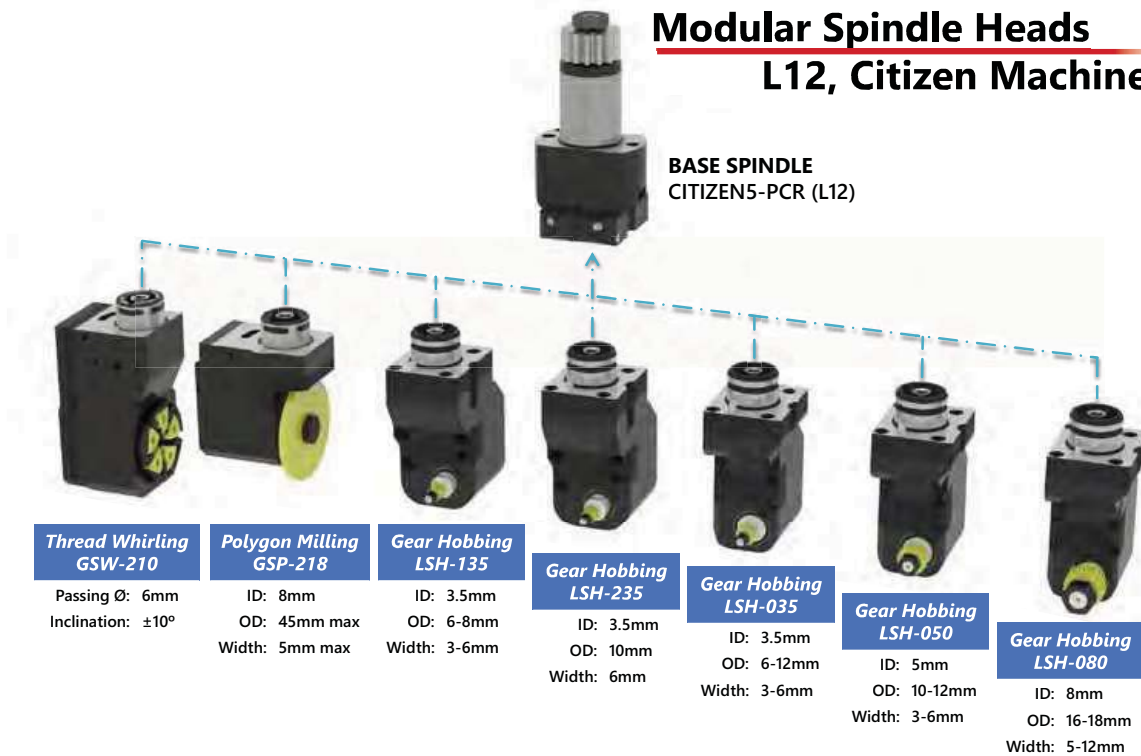
Tool Size: $\varnothing 6\text{mm}$

CONTINUED ON NEXT PAGE

Citizen Cincom L12

Gang Slide

Modular Spindle Heads L12, Citizen Machines



Citizen Cincom L12

Sub Spindle



CITIZEN L20

Swiss Made by



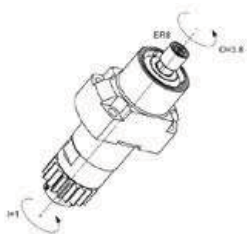
MSC-507-4X

Citizen L2-20 VIII / X / XII

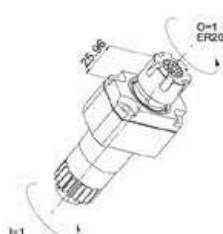
(Machine's Live Tooling 4,500 - 6,000 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	Cross Drilling / Milling	GSC-1110-4X	(1) ER08	1:3.8	Up to 30,000 RPM
		GSC-1113	(1) ER20	1:1	
		GSC-1310-HP	(1) ER16	1:1	Coolant-thru, Uses fitting 4005-000104
	End Drilling / Milling	BSE-307-3X	(2) ER11	1:3	Double ended
	Slitting Saw	GSC-1335-DEC	(1) Ø13	1:1	
	Tool Holder	GDF-1207-L	(4) Ø3/4"		4 Position 3/4" Ø sleeves
	Modular Base	Citizen6-PCR		1:1	
		GSE-208 End Drill/Milling	(2) ER08	1:1	Adjustable ±15°
		GSC-007 Cross Drill/Mill	(1) ER08	1:1	
		GSP-218 Polygon Milling	(1) Ø08	1:1	Max tool Ø45mm, Max thickness 5mm
		GSP-518 Polygon Milling	(1) Ø15.875	1:1	Max tool Ø45mm, Max thickness 10mm, Adjustable ±15°
		LSH-180 Gear Hobbing	(1) Ø08	1:1	Adjustable -2° to +15° with max tool Ø18 and max thickness 12mm; Adjustable -2° to +4° with max tool Ø24 and max thickness 12mm;
		GSW-210 Thread Whirling	(1) Utilis	1:1	9 or 12 Insert Cutter, Adjustable ±10°, 6mm Flight Ø
		GSW-220 Thread Whirling	(1) Utilis	1:1	9 or 12 Insert Cutter, Adjustable ±20°, 6mm Flight Ø
Sub Spindle	Cross Drilling / Milling	GSC-1407	(1) ER11	1:1	
		GSC-1507	(1) ER11	1:1	
		GSC-1507-3X	(1) ER11	1:3	
		GSE-3407-HP	(1) ER11	1:1	High pressure coolant-thru
	End Drilling / Milling	MSC-507-L	(1) ER11	1:1	
		MSC-507-II	(1) ER11	1:1	
		MSC-507-4X	(1) ER08	1:3.8	
		MSC-512	(1) ER16	1:1	
		MSC-513	(1) ER20	1:1	
		MSC507-GS	(1) ER11	1:1	
		GSE-3307-L-3X	(1) ER08	1:3	High speed
		GSE-3507-3X	(1) ER11	1:3	High speed
	Slitting Saw	GSS-1530	(1) ER11	5:3	Max tool Ø63mm, Max tool thickness 2mm
	Tool Holder	CIT-SAU919-S-CT	(1) Ø3/4"		Coolant-thru, Uses M5-1/4" JIC fitting

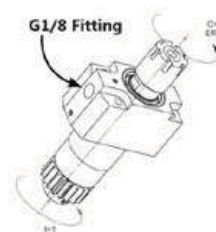
Gang Slide



**GSC-1110-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed,
Up to 30,000 RPMs
L20



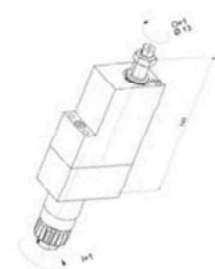
**GSC-1113
Cross Drill/Mill**
Collet Size: ER20
Output: 1:1
L20



**GSC-1310-HP
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
High Pressure Coolant-Thru
Max Pressure 137 Bar
G1/8 Fitting
[PN#4005-000104]
L20



**BSE-307-3X
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed
Double Ended
L20



**GSC-1335-DEC
Slitting Saw**
Arbor Size: Ø13mm
Output: 1:1
L20



**GDF-1207-L
Tool Holder**
Tool Size: Ø19.05mm
4 Positions with 3/4"
diameter sleeves
L20

Citizen Cincom L2-20 VIII / X / XII

Gang Slide

Modular Spindle Heads



BASE SPINDLE
CITIZEN6-PCR



Thread Whirling
GSW-210

Passing Ø: 6mm
Inclination: $\pm 10^\circ$

Thread Whirling
GSW-220

Passing Ø: 4/6mm
Inclination: $\pm 20^\circ$

Polygon Milling
GSP-218

ID: 8mm
OD: 45mm max
Width: 5mm max
Solid Carbide Cutting Tool

Polygon Milling
GSP-518

ID: 5/8"
Uses a disc with indexible inserts for cutting tools

Gear Hobbing
LSH-180

ID: 8mm
OD: 18/24mm
Width: 12mm



Cross Drill/Mill
GSC-007

Collet Size ER08
Output: 1:1

***GSC-007 shown on
CITIZEN6-PCR base**



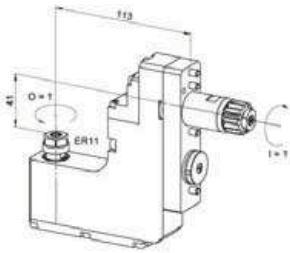
End Drill/Mill
GSE-208

Collet Size ER08
Output: 1:1
Adjustable $\pm 15^\circ$
Angle:

***GSE-208 shown on
CITIZEN6-PCR base**

Citizen Cincom L2-20 VIII / X / XII

Sub Spindle



**GSC-1407
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



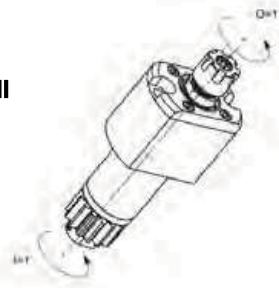
**GSC-1507
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



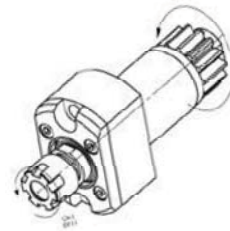
**GSC-1507-3X
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3



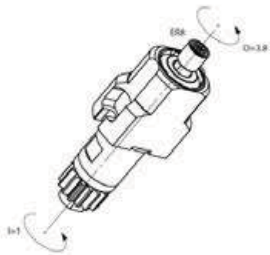
**GSE-3407-HP
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1
High Pressure
Coolant-Thru



**MSC-507-L
End Drill/Mill**
Collet Size: ER11
Output: 1:1



**MSC-507-II
End Drill/Mill**
Collet Size: ER11
Output: 1:1



**MSC-507-4X
End Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed



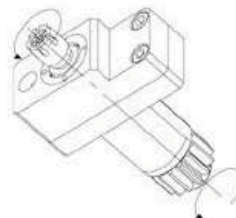
**MSC-512
End Drill/Mill**
Collet Size: ER16
Output: 1:1



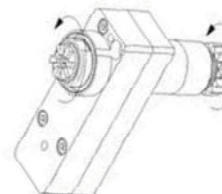
**MSC-513
End Drill/Mill**
Collet Size: ER20
Output: 1:1



**MSC-507-GS
End Drill/Mill**
Collet Size: ER11
Output: 1:1



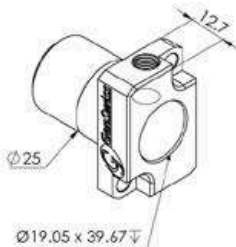
**GSE-3307-L-3X
End Drill/Mill**
Collet Size: ER08
Output: 1:3
High Speed



**GSE-3507-3X
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



**GSS-1530
Slitting Saw**
Arbor Size: ER11
Output: 5:3



**CIT-SAU919-S-CT
Tool Holder**
Tool Size: Ø3/4"
Coolant-Thru Version
Uses M5-1/4" JIC Fitting

CITIZEN L₅20 / L₇20 / L20E-1M

Swiss Made by



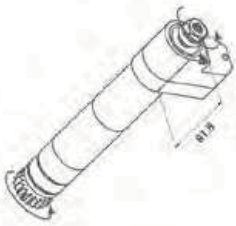
Citizen L5-20 / L7-20 / L20-E

(Machine's Live Tooling 4,500 - 6,000 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Machine	Other
Gang Slide	Cross Drilling & Milling	GSC-510-L-3X	(1) ER11	1:3		
		CIT-GSC510-3XGS	(1) ER11	1:3		
		GSC-510-4X	(1) ER08	1:3.8		
		CIT-GSC907-GS	(1) ER11	1:1		
		GSC-204-3X	(1) ER11	1:3		
		CIT-GSC1010-GS	(1) ER16	1:1		
		GSC-220	(1) ER20	1:1		
		GSC-1210	(1) ER16	1:1	L20E	For L20E-1M or newer, Requires GSE3110
	Angled Drilling & Milling	GSC-1210-4X	(1) ER08	1:3.8	L20E	For L20E-1M or newer, Requires GSE3110
		GSA107	(1) ER11	1:1		Adjustable 0-180°
	End Drilling & Milling	CIT-GSE306-GS	(1) ER16	1:1		
		GSE-306-SE312	(1) ER11	1:3		
		GSE-306-DE312	(2) ER11	1:3		Double ended
		CIT-GSE306-DE-GS	(2) ER11	1:1		Double ended
		GSE-306-L-520	(1) ER11	1:1		
		GSE-306-DE011	(2) ER11	1:1		Double ended
		GSE-316-GS	(1) ER16	1:1		
	Gang Slide	GSE-3107	(4) ER11	1:1		Double ended, For L20E-1M or newer, Requires GSE3110
		GSE-3207	(6) ER11	1:1		Double ended, For L20E-1M or newer, Requires GSE3110 or GSE3010
	Slitting Saw	GSS-510	(1) Ø16	2:1		
	Tool Holder	GDF903	(1) Ø25.4			1" sleeve holder
		852-354-OF-010	(1) Ø25			High speed spindle holder
	Whirling	LSW-101	(1) Utilis	2:1		9 or 12 insert cutter, Adjustable ±10°, 12mm passing Ø
		LSW-215	(1) Utilis	1:1		9 or 12 insert cutter, Adjustable ±15°
		LSW-225	(1) Utilis	1:1		9 or 12 insert cutter, Adjustable ±25°
	Modular Base	Citizen7-PCR		1:1		
	Modular Heads	GSE-208 End Drill/Milling	(2) ER08	1:1		Adjustable ±15°
		GSC-007 Cross Drill/Mill	(1) ER08	1:1		
		GSP-218 Polygon Milling	(1) Ø08	1:1		Max tool Ø45mm, Max thickness 5mm
		GSP-518 Polygon Milling	(1) Ø15.875	1:1		Max tool Ø45mm, Max thickness 10mm, Adjustable ±15°
		LSH-180 Gear Hobbing	(1) Ø08	1:1		Adjustable -2° to +15° with max tool Ø18 and max thickness 12mm; Adjustable -2° to +4° with max tool Ø24 and max thickness 12mm;
		GSW-210 Thread Whirling	(1) Utilis	1:1		9 or 12 insert cutter, Adjustable ±10°, 6mm flight Ø
		GSW-220 Thread Whirling	(1) Utilis	1:1		9 or 12 insert cutter, Adjustable ±20°, 6mm flight Ø
	Sub Spindle	GSC-1407	(1) ER11	1:1		
		GSC-1507	(1) ER11	1:1		
		GSC-1507-3X	(1) ER11	1:3		High speed
		GSE-3407-HP	(1) ER11	1:1		High pressure coolant-thru
		MSC-507-L	(1) ER08	1:1		
		MSC-507-II	(1) ER11	1:1		
		MSC-507-4X	(1) ER08	1:3.8		
		MSC-513	(1) ER20	1:1		
		MSC507-GS	(1) ER11	1:1		
		GSE-3307-L-3X	(1) ER08	1:3		High speed
		GSE-3507-3X	(1) ER11	1:3		High speed
	Slitting Saw	GSS-1530	(1) ER11	5:3		Max tool Ø63mm, Max tool thickness 2mm

Citizen Cincom L5-20 / L7-20 / L20-E

Gang Slide



**GSC-510-L-3X
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



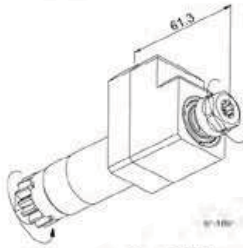
**GSC-510-3XGS
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



**GSC-510-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed



**GSC-907-GS
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



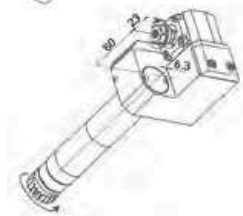
**GSC-204-3X
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



**GSC-1010-GS
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1



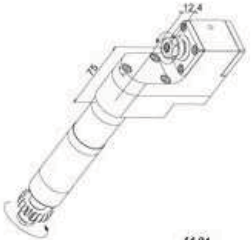
**GSC-220-GS
Cross Drill/Mill**
Collet Size: ER20
Output: 1:1



**GSA107
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 0-180°



**GSE-306-GS
End Drill/Mill**
Collet Size: ER16
Output: 1:1



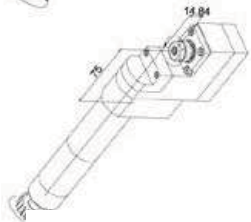
**GSE-306-SE312
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



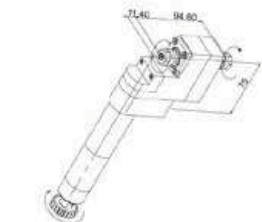
**GSE-306-DE312
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed
Double Ended



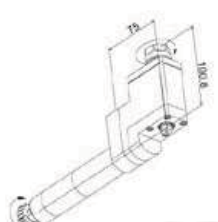
**GSE-306-DE-GS
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Double Ended



**GSE-306-L-520
End Drill/Mill**
Collet Size: ER11
Output: 1:1



**GSE-306-DE011
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Double Ended



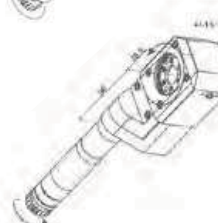
**GSE-316-GS
End Drill/Mill**
Collet Size: ER16
Output: 1:1



**GSS-510
Slitting Saw**
Arbor Size: Ø16mm
Output: 2:1



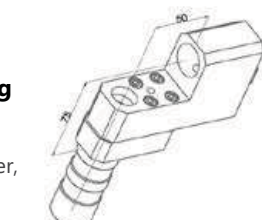
**LSW-101
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 insert cutter,
Flight Ø12mm,
Adjustable $\pm 10^\circ$



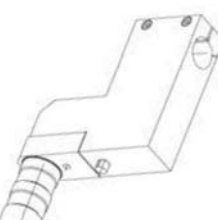
**LSW-215
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 insert cutter,
Adjustable $\pm 15^\circ$



**LSW-225
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 insert cutter,
Adjustable $\pm 25^\circ$



**GDF903
Tool Holder**
Tool Size: Ø25.4mm
1° Sleeve Holder



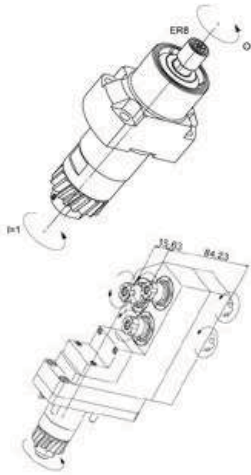
**852-354-OF-010
Tool Holder**
Tool Size: Ø25mm
High Speed
Spindle Holder

CONTINUED ON NEXT PAGE

Citizen Cincom L5-20 / L7-20 / L20-E

Gang Slide

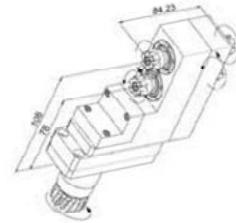
For Use With GSE3110 or GSE3010 Expansion Block



**GSC-1210-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed
Requires GSE3110
L20E



**GSC-1210
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
Requires GSE3110
L20E



**GSE-3107
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Double Ended

**GSE-3207
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Double Ended

Modular Spindle Heads

**BASE SPINDLE
CITIZEN7-PCR**



**Thread Whirling
GSW-210**

Passing Ø: 6mm
Inclination: $\pm 10^\circ$



**Thread Whirling
GSW-220**

Passing Ø: 4/6mm
Inclination: $\pm 20^\circ$



**Polygon Milling
GSP-218**

ID: 8mm
OD: 45mm max
Width: 5mm max
Solid Carbide Cut-
ting Tool



**Polygon Milling
GSP-518**

ID: 5/8"
Uses a disc with
indexable inserts for
cutting tools



**Gear Hobbing
LSH-180**

ID: 8mm
OD: 18/24mm
Width: 12mm



***GSC-007 shown on
CITIZEN7-PCR base**

**Cross Drill/Mill
GSC-007**

Collet Size ER08
Output: 1:1



**End Drill/Mill
GSE-208**

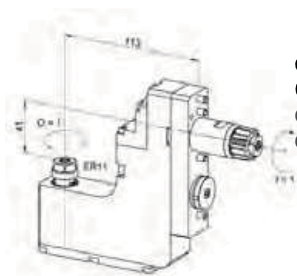
Collet Size ER08
Output: 1:1
Adjustable $\pm 15^\circ$
Angle:

***GSE-208 shown on
CITIZEN7-PCR base**

Citizen Cincom L5-20 / L7-20 / L20-E

Sub Spindle

Equipped With U153B or U155B



**GSC-1407
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



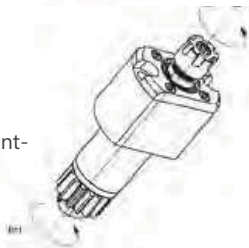
**GSC-1507
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



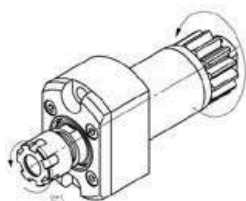
**GSC-1507-3X
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3



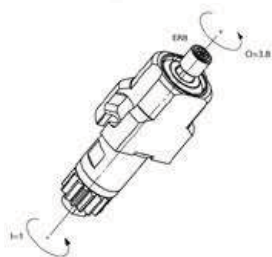
**GSE-3407-HP
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1
High Pressure Coolant-
Thru



**MSC-507-L
Cross Drill/Mill**
Collet Size: ER08
Output: 1:1



**MSC-507-II
Cross Drill/Mill**
Collet Size: ER11
Output: 1:1



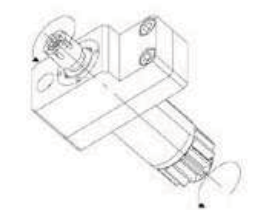
**MSC-507-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed



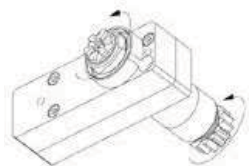
**MSC-513
End Drill/Mill**
Collet Size: ER20
Output: 1:1



**MSC-507-GS
End Drill/Mill**
Collet Size: ER11
Output: 1:1



**GSE-3307-L-3X
End Drill/Mill**
Collet Size: ER08
Output: 1:3
High Speed



**GSE-3507-3X
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed



**GSS-1530
Slitting Saw**
Arbor Size: ER11
Output: 5:3

CITIZEN L₄25/32

Swiss Made by



Citizen L₄ 25/32

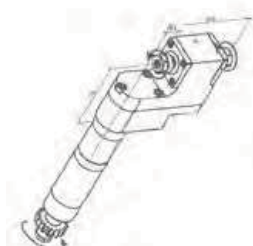
(Machine's Live Tooling 3,000 - 4,500 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	End Drilling / Milling	GSE-306-DE511	(2) ER11	1:1	Double Ended
		GSE-306-DE512	(2) ER11	1:3	Double Ended, 3X High Speed
		GSE-306-SE512	(1) ER11	1:3	3X High Speed

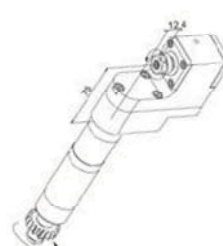
Gang Slide



**GSE-306-DE511
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Double Ended



**GSE-306-DE512
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed
Double Ended



**GSE-306-SE512
End Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed

CITIZEN A32, L32

Swiss Made by



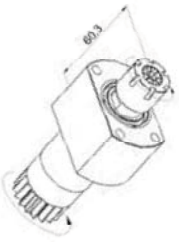
Citizen A32-VII & L32-VIII, X, XII

(Machine's Live Tooling 4,000 RPM Rating)

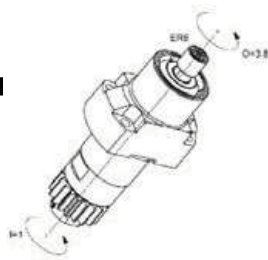
Position	Operation	Item No.	(#Tools)Size	Output	Machine	Other
Gang Slide	Cross Drilling & Milling	GSC-1110	(1) ER16	1:1	A32, L32	
		GSC-1110-4X	(1) ER08	1:3.8	A32, L32	High Speed, Up to 30,000 RPM
		GSC-1110-F	(1) M10	1:1	A32, L32	For SECO Combimaster mill tool with M10 attachment
		GSC-1113	(1) ER20	1:1	A32, L32	
		GSC-1310-HP	(1) ER16	1:1	A32, L32	High Pressure Coolant-Thru, Max Pressure 137 Bar, G1/8 Fitting
	Angled Drilling & Milling	BSC-210	(1) ER16	1:1	A32, L32	
		BSC-610-L-3X	(1) ER11	1:3	A32, L32	High Speed, Added bearing for strength
		BSA-2010	(6) ER16	1:1	A32, L32	Adjustable 0-21°, Interferes with adjacent tooling station when at angle
	End Drilling & Milling	BSA-3107	(1) ER11	1:1	A32	Adjustable 0-180°, interferes with adjacent tooling station when used at angle
		BSE-3207-III	(4) ER16	1:1	A32, L32	Double Ended, Spindles rotate in alternating directions
		BSE-3208-II	(8) ER16	1:1	A32	Double Ended, Spindles rotate in the same direction
		BSE-3208-III	(8) ER16	1:1	A32	Double Ended, Spindles rotate in alternating directions
		BSE-3106	(3) ER11	1:1	A32, L32	
		BSE-3205	(6) ER11	1:1	A32, L32	Double Ended
		BSE-3209	(3) ER16	1:1	A32, L32	Spindles rotate in alternating directions
		BSE-3210	(6) ER16	1:1	A32, L32	Double Ended, Spindles rotate in alternating directions
	Polygon Milling	GSE-1710	(6) ER16	1:1	A32	
		GSE-1710-2X	(6) ER16	1:2	A32	High Speed
	Slotting Saw	BSP-510	(1) Ø13	1:1	A32, L32	Max tool Ø 60mm
		BSP-511	(1) Ø10	1:1	A32, L32	Max tool Ø 55mm
	Whirling	GSC-1307-DEC	(1) Ø16	1:1	A32, L32	Max tool Ø 63mm, Width 6mm
		GSS1035-DEC	(1) Ø10	1:1	A32, L32	
	Tool Holder	BSW-315	(1) Utilis	1:1	A32	9 or 12 Insert Cutter, Adjustable ±15°, Flight Ø12, Requires removal of the 4-position ID Tool Block , Utilis ring #137578
		BSW-315-II	(1) Utilis	1:1	A32	9 or 12 Insert Cutter, Adjustable ±15°, Flight Ø12, T07 Blocked, Postiton T08 can only be used with Ø25x52mm in position , Utilis ring #137578
	Modular Base	BTW2000-A32	(1) Utilis	1:1	A32	9 or 12 Insert Cutter, Adjustable ±15°
		GDF-1207-L	(4) Ø19.05		A32	4 Position 3/4" Ø Sleeves
		GDF-1501-II	(3) Ø1inch		A32, L32	Holds 3 Ø1inch sleeves, Position T06- T09
	Modular Heads	GDF-1601-L	(3) Ø1inch		L32	Holds 3 Ø1inch sleeves, Position T10, U30B, and U32B
		Citizen6-PCR			A32, L32	Receives modular heads
		LSH-180	(1) Ø8.0		A32, L32	Cutter OD: Ø18
	Cross Drilling & Milling	GSP-218	(1) Ø8.0		A32, L32	Cutter OD: up to 45mm, Solid carbide cutting tool
		GSP-518	(1) .625"		A32, L32	Uses disc with indexible inserts
		GSW-210	(1) Utilis	1:1	A32, L32	9 or 12 Insert Cutter, Adjustable ±10°, 6mm Flight Ø
		GSW-220	(1) Utilis	1:1	A32, L32	9 or 12 Insert Cutter, Adjustable ±20°, 6mm Flight Ø
		GSC-1110	(1) ER16	1:1	A32, L32	
Sub Spindle	Cross Drilling & Milling	GSC-1110-4X	(1) ER08	1:3.8	A32, L32	High Speed, Up to 30,000 RPM
		GSC-1110-F	(1) M10	1:1	A32, L32	For SECO Combimaster mill tool with M10 attachment
		GSC-1113	(1) ER20	1:1	A32, L32	
		GSC-1310-HP	(1) ER16	1:1	A32, L32	High Pressure Coolant-Thru, Max Pressure 137 Bar, G1/8 Fitting
		BSC-210	(1) ER16	1:1	A32, L32	
	Slitting Saw	BSC-1330	(1) ER16	1:1	A32, L32	Requires 2 Tool Positions
		BSC-2330	(1) ER11 (1) ER16	1:1	A32, L32	Requires 2 Tool Positions
	Slitting Saw	BSS-1530	(1) ER16	5:3	A32, L32	Max tool Ø 80mm, Width 3mm

Citizen A32-VII & L32-VIII, X, XII

Gang Slide



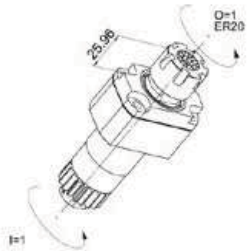
**GSC-1110
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
A32
L32



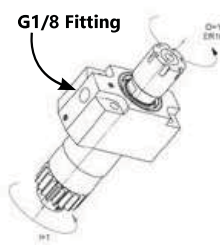
**GSC-1110-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed,
Up to 30,000 RPMs
A32
L32



**GSC-1110-F
Cross Drill/Mill**
Collet Size: M10
Output: 1:1
For SECO Combimaster
mill tool
A32
L32



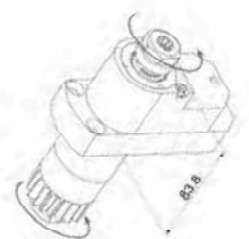
**GSC-1113
Cross Drill/Mill**
Collet Size: ER20
Output: 1:1
A32
L32



**GSC-1310-HP
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
High Pressure Coolant-Thru
Max Pressure 137 Bar
G1/8 Fitting
[PN#4005-000104]
A32
L32



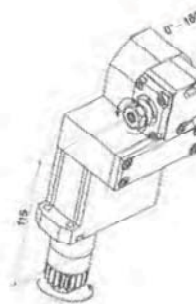
**BSC-210
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
A32
L32



**BSC-610-L-3X
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3
High Speed,
Long Version
Added bearing
For strength
A32
L32



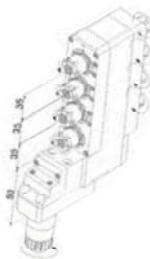
**BSA-2010
Angled Drill/Mill**
Collet Size: ER16
Output: 1:1
Adjustable 0-21°
Interferes with adjacent
tooling position when
used at angle
A32
L32



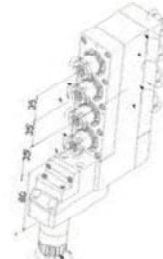
**BSA-3107
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 0-180°
Crashes with U150B/U151B
when working with tool
position T11 and T12
A32



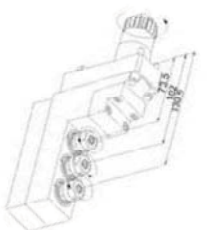
**BSE-3207-III
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Spindle positions rotate in
alternating directions
A32
L32



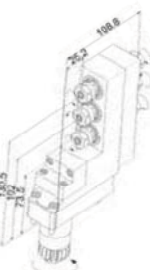
**BSE-3208-II
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice positions on
spindle rotate in
same direction
A32



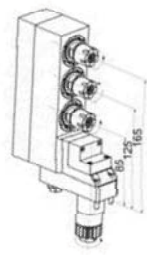
**BSE-3208-III
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Spindle positions rotate
in alternating directions
A32



**BSE-3106
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Spindle positions rotate
in alternating directions
A32
L32



**BSE-3205
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Notice positions on
spindle rotate in
alternating directions
A32
L32

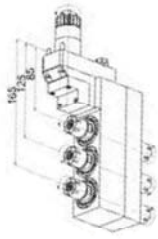


**BSE-3209
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice positions on
spindle rotate in
alternating directions
A32
L32

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Citizen A32-VII & L32-VIII, X, XII

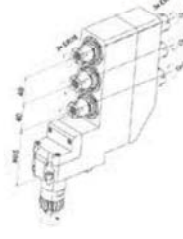
Gang Slide



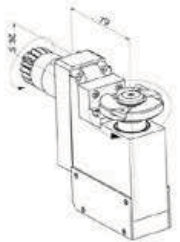
**BSE-3210
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice positions on
spindle rotate in
alternating directions
A32
L32



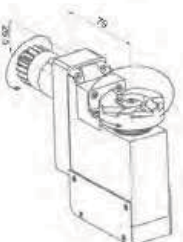
**GSE-1710
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice positions on
spindle rotate in
alternating directions
A32



**GSE-1710-2X
End Drill/Mill**
Collet Size: ER16
Output: 1:2
High Speed
Notice positions on
spindle rotate in
alternating directions
A32



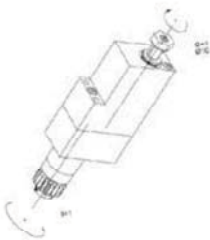
**BSP-510
Polygon Milling**
Tool ID Size: Ø13mm
Output: 1:1
Max Tool Ø 60mm
A32
L32



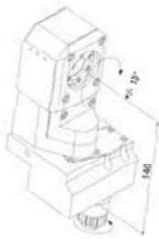
**BSP-511
Polygon Milling**
Tool ID Size: Ø10mm
Output: 1:1
Max Tool Ø 55mm
A32
L32



**GSC-1307-DEC
Slitting Saw**
Arbor Size: Ø16mm
Output: 1:1
Max Tool Ø: 63mm
Tool Thickness: 6mm
A32
L32



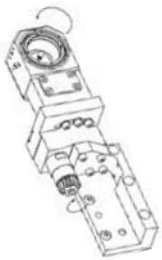
**GSS1035-DEC
Slitting Saw**
Arbor Size: Ø10mm
Output: 1:1
A32
L32



**BSW-315
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 insert cutter,
Flight Ø12, Requires
removal of the 4-position
ID tool Block, Utilis ring
#137578
A32



**BSW-315-II
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 insert cutter,
Flight Ø12, T07 blocked,
Position T08 can only be
used with Ø25x52mm
in position, Utilis ring
#137578
A32



**BTW2000-A32
Thread Whirling**
Ring: Utilis
Output: 1:1
9 or 12 Insert Cutter,
Adjustable ±15°



**GDF-1207-L
Tool Holder**
Tool Size: Ø19.05mm
4 Position Ø3/4in Sleeves
A32

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Citizen A32-VII & L32-VIII, X, XII

Sub Spindle



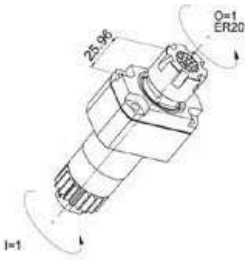
GSC-1110
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
A32
L32



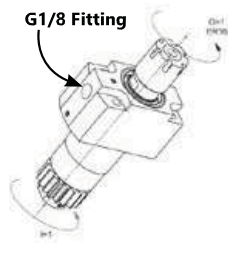
GSC-1110-4X
Cross Drill/Mill
Collet Size: ER08
Output: 1:3.8
High Speed,
Up to 30,000 RPMs
A32
L32



GSC-1110-F
Cross Drill/Mill
Collet Size: M10
Output: 1:1
For SECO Combimaster
mill tool
A32
L32



GSC-1113
Cross Drill/Mill
Collet Size: ER20
Output: 1:1
A32
L32



GSC-1310-HP
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
High Pressure
Coolant-Thru
Max Pressure
137 Bar
G1/8 Fitting
A32
L32



BSC-210
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
A32
L32



BSC-1330
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
Requires 2 Tool Positions
A32
L32



BSC-2330
Cross Drill/Mill
Collet Size: ER11, ER16
Output: 1:1
Requires 2 Tool Positions
A32
L32



BSS-1530
Slitting Saw
Arbor Size: ER16
Output: 5:3
Max Tool Ø: 80mm
Max Tool Thickness: 3mm
A32
L32

CITIZEN L₄25/32

Swiss Made by

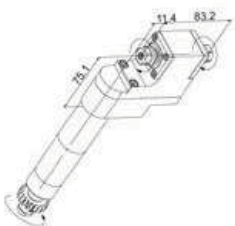


Citizen L₄ 25/32

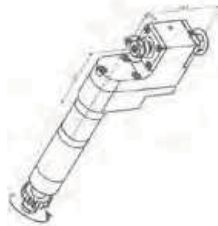
(Machine's Live Tooling 3,000 - 4,500 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	End Drilling / Milling	GSE-306-DE511	(2) ER11	1:1	Double Ended
		GSE-306-DE512	(2) ER11	1:3	Double Ended
		GSE-306-SE512	(1) ER11	1:3	

Gang Slide



GSE-306-DE511
End Drill/Mill
Collet Size: ER11
Output: 1:1
Double Ended
L₄25
L₄32



GSE-306-DE512
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed
Double Ended
L₄25
L₄32



GSE-306-SE512
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed
L₄25
L₄32

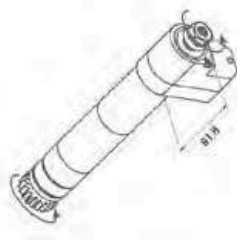
Citizen L₆32

(Machine's Live Tooling 3,000 - 4,500 RPM Rating)

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	Cross Drilling / Milling	GSC-510-L-3X	(1) ER11	1:3	3X High speed
		GSC-510-4X	(1) ER08	1:3.8	4X High speed
		GSC1010-GS	(1) ER16	1:1	
	Angled Drilling / Milling	GSA107	(1) ER11	1:1	Adjustable 0-180°
		GSE-306-SE312	(1) ER11	1:3	
		GSE-306-DE312	(2) ER11	1:3	Double ended
	End Drilling / Milling	GSE-306-L-520	(1) ER11	1:1	
		GSE-306-DE011	(2) ER11	1:1	Double ended
		GSE-316-GS	(1) ER16	1:1	
		GSS-510	(1) Ø16	2:1	
	Slitting Saw	GDF903	(1) Ø25.4		1" Sleeve holder
		GDF903-25	(1) Ø25.0		
		852-354-OF-010	(1) Ø25		High speed spindle holder

Citizen Cincom L₆32

Gang Slide



GSC-510-L-3X
Cross Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed
L₆32



GSC-510-4X
Cross Drill/Mill
Collet Size: ER08
Output: 1:3.8
High Speed
L₆32



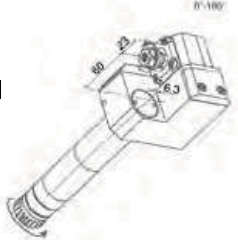
GSC220-GS
Cross Drill/Mill
Collet Size: ER20
Output: 1:1
L₆32



GSC510-3XGS
Cross Drill/Mill
Collet Size: ER11
Output: 3:1
L₆32



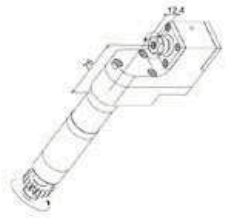
GSC1010-GS
Cross Drill/Mill
Collet Size: ER16
Output: 1:1
L₆32



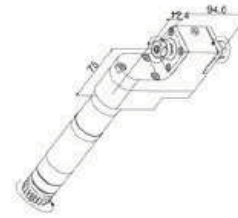
GSA107
Angled Drill/Mill
Collet Size: ER11
Output: 1:1
Adjustable 0-180°
L₆32



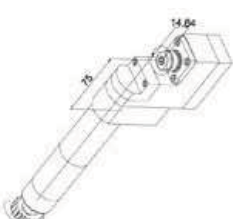
GSE306-DE-GS
End Drill/Mill
Collet Size: ER11
Output: 1:1
L₆32



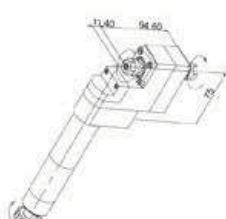
GSE-306-SE312
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed
L₆32



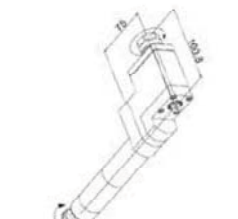
GSE-306-DE312
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed
Double Ended
L₆32



GSE-306-L-520
End Drill/Mill
Collet Size: ER11
Output: 1:1
L₆32



GSE-306-DE011
End Drill/Mill
Collet Size: ER11
Output: 1:1
Double Ended
L₆32

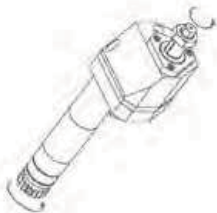


GSE-316-GS
End Drill/Mill
Collet Size: ER16
Output: 1:1
L₆32

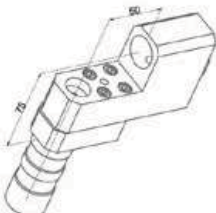
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Citizen Cincom L₆32

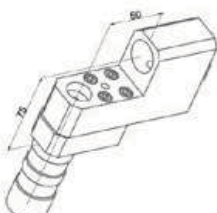
Gang Slide



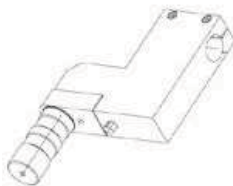
**GSS-510
Slitting Saw**
Arbor Size: Ø16mm
Output: 2:1
L₆32



**GDF903
Tool Holder**
Tool Size: Ø25.4mm
Output: 1:3
1in Sleeve Holder
L₆32



**GDF903-25
Tool Holder**
Tool Size: Ø25mm
L₆32



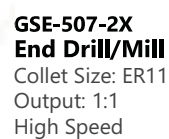
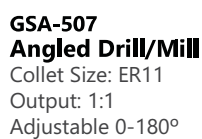
**852-354-OF-010
Tool Holder**
Tool Size: Ø25mm
High Speed Spindle
Holder
L₆32

PCM
be driven.

Gang Slide Attachments

Position	Operation	Item No.	(#Tools)Size	Output	Coolant Thru	Other
Gang Slide	Cross Drilling / Milling	GSC-607-2X	(1) ER11	1:2		2X High Speed
		GSC-607-GS	(1) ER11	1:1		
	Angled Drilling / Milling	GSA-407	(1) ER11	1:2.5		Adjustable 0-180°
		GSA-507	(1) ER11	1:1		Adjustable 0-180°
	End Drilling / Milling	GSE-507	(1) ER11	1:1		
		GSE-507-2X	(1) ER11	1:2		2X High Speed
		GSE-507-DE	(1) ER11 (1) ER08	1:1		Double Ended
		GSE-507-DS	(2) ER11	1:1		Double Ended
		GSE-508	(1) ER11	1:1		
		GSE-707	(1) ER11	1:1		
		GSE-708	(1) ER11	1.65:1		
		MSE607	(3) ER11	1:1		
	Polygon Milling	GSE-509	(1) Ø10	1.6:1		
		GSS-250	(1) Ø16	2:1		Max tool size: 50mm, Needs 2 positions
	Slitting Saw	GSS-250-13	(1) Ø13	2:1		Max tool size: 50mm, Needs 2 positions
		GSS-250-15	(1) Ø15	2:1		Max tool size: 50mm, Needs 2 positions
		GSS-450	(1) Ø16	4:1		Max tool size: 50mm, Needs 2 positions
	Whirling	LSW-424	(1) Utilis	1:1		3,9, or 12 Insert Cutter, Adjustable ±10°
	Tool Holder	GDF-901-S2X6	(2) Ø6			
		GDF-901-S1X4	(1) Ø4			
GDF-901-S2X4		(2) Ø4				
GDF901		(1) Ø19.05				
GDF-901-HF		(1) Ø25				

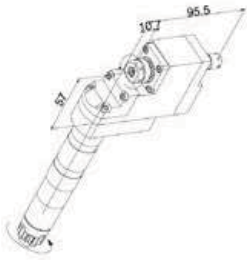
Gang Slide



321

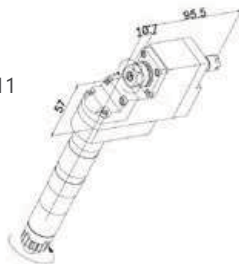
Citizen Cincom M₂12/16 & M₃12/16

Gang Slide



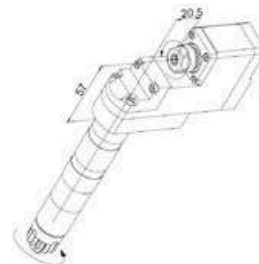
GSE-507-DE End Drill/Mill

Collet Size: ER08, ER11
Output: 1:1
Double Ended



GSE-507-DS End Drill/Mill

Collet Size: ER11
Output: 1:1
Double Ended



GSE-508 End Drill/Mill

Collet Size: ER11
Output: 1:1



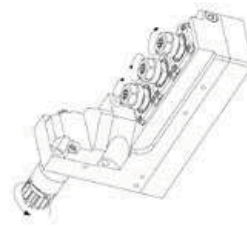
GSE-707 End Drill/Mill

Collet Size: ER11
Output: 1:1



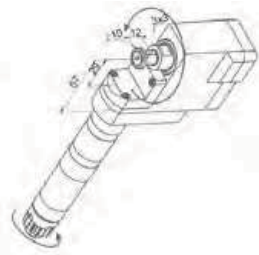
GSE-708 End Drill/Mill

Collet Size: ER11
Output: 1.65:1



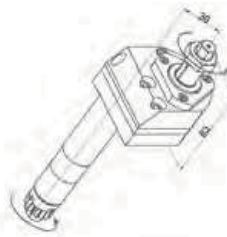
MSE-607 End Drill/Mill

Collet Size: ER11
Output: 1:1



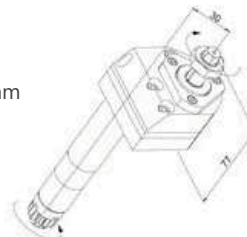
GSE-509 Polygon Milling

ID Size: Ø10mm
Output: 1.6:1



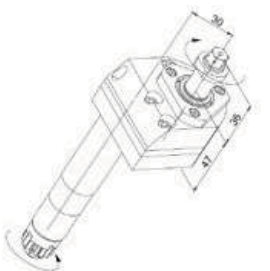
GSS-250 Slitting Saw

Arbor Size: Ø16mm
Output: 2:1



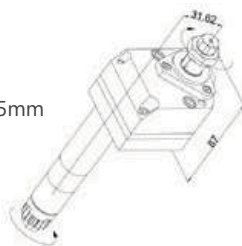
GSS-250-13 Slitting Saw

Arbor Size: Ø13mm
Output: 2:1



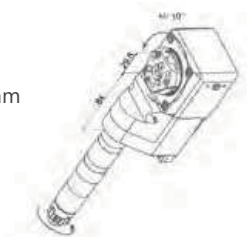
GSS-250-15 Slitting Saw

Arbor Size: Ø15.875mm
Output: 2:1



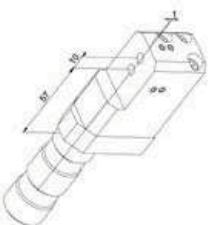
GSS-450 Slitting Saw

Arbor Size: Ø16mm
Output: 4:1



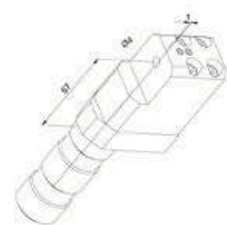
LSW-424 Thread Whirling

Ring: Utilis
Output: 1:1
3, 9, or 12 insert cutter,
Adjustable ±10°



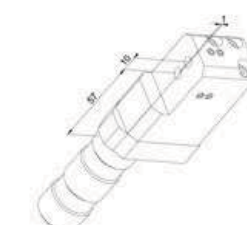
GDF-901-S2X6 Tool Holder

Tool Size: Ø6mm



GDF-901-S1X4 Tool Holder

Tool Size: Ø4mm



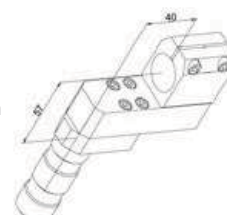
GDF-901-S2X4 Tool Holder

Tool Size: Ø4mm



GDF-901 Tool Holder

Tool Size: Ø19.05mm



GDF-901-HF Tool Holder

Tool Size: Ø25mm
For Broach Holders

CITIZEN M₄12/16

Swiss Made by



Citizen M₄12/16

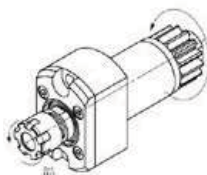
Gang Slide Attachments

Position	Operation	Item No.	(#Tools)Size	Output	Other
Gang Slide	Cross Drilling / Milling	MSC-507-L	(1) ER11	1:1	
		MSC-507-II	(1) ER11	1:1	
		MSC-507-2X	(1) ER11	1:2	
		MSC-507-4X	(1) ER08	1:3.8	
		MSC-507-ER20	(1) ER20	1:1	
		MSC-512	(1) ER16	1:1	
		MSC-513	(1) ER20	1:1	
	End Drilling / Milling	GSE-1207-3X	(1) ER11	1:3	High Speed Spindle, Adjustable $\pm 30^\circ$, Double Ended
		GSE-3307-L-3X	(1) ER08	1:3	High Speed Spindle
		GSE-3507-3X	(1) ER11	1:3	High Speed Spindle
		GSE-3607-1B	(1) ER11	1:1	Adjustable $\pm 45^\circ$
		GSE-3607-2B	(2) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-3B	(3) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-1D	(2) ER11	1:1	Double Ended, Adjustable $\pm 45^\circ$
		GSE-3607-2D	(4) ER11	1:1	Double Ended, Adjustable $\pm 30^\circ$
		GSE-3607-3D	(6) ER11	1:1	Double Ended, Adjustable $\pm 30^\circ$
		GSE-3607-1M	(1) ER11	1:1	Adjustable $\pm 45^\circ$
		GSE-3607-2M	(2) ER11	1:1	Adjustable $\pm 30^\circ$
		GSE-3607-3M	(3) ER11	1:1	Adjustable $\pm 30^\circ$
	Slitting Saw	MSE-1007	(2) ER11	1:1	Requires 3 Positions
		GSS-1530	(1) ER11	5:3	Max tool $\varnothing 63\text{mm}$, Width 2mm
	Polygon Milling	GSS610	(1) $\varnothing 10$	1:1	Max tool $\varnothing 40\text{mm}$, Width 4.5mm
		GSF-080	(1) $\varnothing 08$	1:1	Max tool $\varnothing 58\text{mm}$, Width 3mm
	Hobbing	MSH507	(1) $\varnothing 4.5$	1:1	Disk $\varnothing 12\text{mm}$, Width 10mm
	Whirling	LSW-515	(1) Utilis	1:1	7 or 9 Insert Cutter, 6mm Flight $\varnothing$
	Tool Holders	GDF9001S24	(2) 4mm		
		GDF9001S24-II	(2) 4mm		Adjustable ± 0.2
	Modular Base	GDF9001S26	(2) 6mm		
		Citizen5-PCR			
	Modular Heads	Citizen5-GSP-218	(1) $\varnothing 08$	1:1	Max tool $\varnothing 45\text{mm}$, Width 5mm
		Polygon Milling			
	Modular Heads	Citizen5-GSW-210	(1) Utilis	1:1	Spindle base with modular GSW-210 whirling head
		Thread Whirling			

Gang Slide



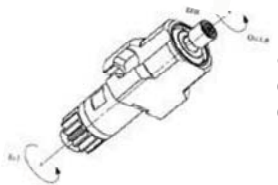
MSC-507-L
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



MSC-507-II
Cross Drill/Mill
Collet Size: ER11
Output: 1:1



MSC-507-2X
Cross Drill/Mill
Collet Size: ER11
Output: 1:2
High Speed



MSC-507-4X
Cross Drill/Mill
Collet Size: ER08
Output: 1:3.8
High Speed



MSC-512
Cross Drill/Mill
Collet Size: ER16
Output: 1:1



MSC-513
Cross Drill/Mill
Collet Size: ER20
Output: 1:1



GSE-1207-3X
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed Spindle,
Adjustable $\pm 30^\circ$
Double Ended



GSE-3307-L-3X
End Drill/Mill
Collet Size: ER08
Output: 1:3



GSE-3507-3X
End Drill/Mill
Collet Size: ER11
Output: 1:3
High Speed Spindle,

Citizen Cincom M₄12/16

Gang Slide



**GSE-3607-1B
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$



**GSE-3607-2B
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



**GSE-3607-3B
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



**GSE-3607-1D
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$
Double Ended



**GSE-3607-2D
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$
Double Ended



**GSE-3607-3D
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$
Double Ended



**GSE-3607-1M
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 45^\circ$



**GSE-3607-2M
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



**GSE-3607-3M
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable $\pm 30^\circ$



**MSE-1007
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Requires 3 Positions



**GSS-1530
Slitting Saw**
Collet Size: ER11
Output: 5:3
Max Tool $\varnothing 63\text{mm}$
Max Width 2mm



**GSS610
Slitting Saw**
Saw ID: 10mm
Output: 1:1
Max Tool $\varnothing 40\text{mm}$
Max Width 4.5mm



**GSF-080
Polygon Milling**
Tool ID Size: $\varnothing 8\text{mm}$
Output: 1:1
Max Tool $\varnothing 58\text{mm}$
Max Width 3mm



**MSH-507
Gear Hobbing**
ID Size: $\varnothing 4.5\text{mm}$
Output: 1:1
Hobb OD: $\varnothing 12\text{mm}$
Hobb Thickness: 10mm



**LSW-515
Thread Whirling**
Ring: Utilis
Output: 1:1
7 or 9 Insert Cutter
Flight Circle: $\varnothing 6\text{mm}$



**GDF9001S24
Tool Holders**
Tool Size: $\varnothing 4\text{mm}$



**GDF9001S24-II
Tool Holders**
Tool Size: $\varnothing 4\text{mm}$
Adjustable ± 0.2



**GDF9001S26
Tool Holders**
Tool Size: $\varnothing 6\text{mm}$



**Citizen5-PCR
Modular Base**
Output: 1:1



**Citizen5-GSW-210
Thread Whirling**
Output: 1:1
Ring: Utilis Ring
Flight Circle: 6mm
Inclination: $\pm 10^\circ$



**Citizen5-GSP-218
Polygon Milling**
Output: 1:1
Tool Size: $\varnothing 8\text{mm}$
Max Tool $\varnothing 45\text{mm}$
Max Width 5mm

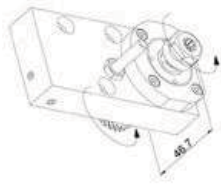
Citizen M12 & M16

Turret Attachments

Position	Operation	Item No.	(#Tools)Size	Output	Coolant Thru	Other
Turret	Cross Drilling / Milling	MSC-106-K	(1) ER11	1:1	Yes	
		MSC-106-2X	(1) ER11	1:2	Yes	2X High Speed
		MSC-110-K	(1) ER16	1:1	Yes	
		MSC-407	(2) ER11	1:1		
		MSC-407-3	(3) ER11	1:1		
	Angled Drilling / Milling	MSA-103	(1) ER11	1:1		Adjustable 0-30°
		MSA-203	(1) ER11	1:1		Adjustable 30-60°
		MSA-303	(1) ER11	1:1		Adjustable 55-90°
	End Drilling / Milling	MSE-106-K	(1) ER11	1:1	Yes	
		MSE-106-KM	(1) ER11	1:1	Yes	
		MSE-106-2X	(1) ER11	1:2	Yes	2X High Speed
		MSE-106-KAI	(1) ER11	1:1	Yes	
		MSE-106-HPA	(1) ER11	1:1	Yes	
		MSE-106-DS	(2) ER11	1:1		
		MSE-107-2X	(1) ER11	1:2	Yes	2X High Speed
		MSE-306-K	(1) ER11	1:1		
		MSE-306-KBL	(1) ER11	1:1	Yes	
		MSE-403	(1) ER11	1:1	Yes	
		MSF-130	(1) Ø13	1:1		Adjustable ±20°
		MSF-130-ER	(1) ER11	1:1		Adjustable ±20°
	Polygon Milling	MSP-130	(1) Ø13	1:3		Max tool size: 58mm
		MSP-160	(1) Ø16	1:3		Max tool size: 58mm
	Hobbing	MSH-132-S-080	(1) Ø8	3:1		Adjustable ±10°
		MSH-132-S-035	(1) Ø3.5	3:1		Adjustable ±10°
		MSH-132-05	(1) Ø5	3:1		Adjustable ±3°
		MSH-132-08	(1) Ø8	3:1		Adjustable ±3°
		MSH-132-10	(1) Ø10	3:1		Adjustable ±3°
		MSH-133-035	(1) Ø3.5	1:0.762		Adjustable ±10°
		MSH-133-050	(1) Ø5	1:0.762		Adjustable ±10°
		MSH-133-080	(1) Ø8	1:0.762		Adjustable ±10°
		MSH-210-035	(1) Ø3.5	13:11	Yes	Adjustable 0-10°
		MSH-210-080	(1) Ø8	13:11	Yes	Adjustable 0-10°
	Tool Holder	MSH-432-35	(1) Ø3.5	1:1		Adjustable ±30°
		VDF-101	(1) Ø19.05			
		VDF-101-R-S	(1) Ø19.05			Adjustable
		VDF-101-R-S-HF	(1) Ø19.05			For high speed spindle
		VDF-201	(1) Ø19.05			
		VDF-207	(1) Ø10		Yes	
		VDF-205-2	(1) Ø19.05		Yes	
		VDF-205-S-2	(1) Ø19.05		Yes	
		VDF-206-2	(1) Ø19.05		Yes	
		VDF-401	(2) Ø19.05			
		VDF-401-S	(2) Ø19.05			
		VDF-401-AR	(2) Ø19.05		Yes	
		VDF-501	(1) Ø19.05			
		VDF-501-HF	(1) Ø25			For high speed spindle
		VDF701-AR	(3) Ø19.05		Yes	
		VDF-HF25	(1) Ø25.4			For high speed spindle
		VDF-HF25-1	(1) Ø25			For high speed spindle
		VDF-HF25-2	(1) Ø25			For high speed spindle
		VDF-HF25-3	(1) Ø25.4			For high speed spindle
		VDF-HF30	(1) Ø30			For high speed spindle
		VDF-HF33	(1) Ø33			For high speed spindle
		MDF-107	(3) Ø19			For high speed spindle
		MDF-107-HFN	(3) Ø22			For high speed spindle
		MDF-107-MHF20	(3) Ø20			For high speed spindle
		856-003-OF010	(3) Ø25.4			For high speed spindle
		856-003-OF015	(3) Ø25			For high speed spindle
		856-003-OF020	(1) Ø10, (3) Ø25.4		Yes	(2) High speed spindles
		856-003-OF-025	(1) Ø10, (3) Ø25		Yes	(2) High speed spindles
		856-003-OF110	(1) Ø10, (3) Ø25		Yes	
		792-VTF110-R-AR	(1) 12x12mm		Yes	Adjustable
		VTF110-AR	(1) 12x12mm		Yes	
		VTF1510	(2) 10x10mm		Yes	
		VTF1510-D	(4) 10x10mm		Yes	
	Whirling	MSW-101	(1) Utilis	2:1		3,9, or 12 Insert cutter, Adjustable ±10°

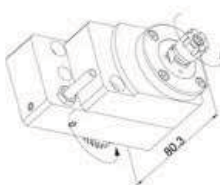
Citizen Cincom M12 & M16

Turret



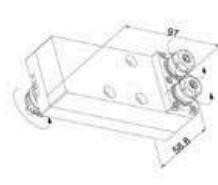
MSC-106-K Cross Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



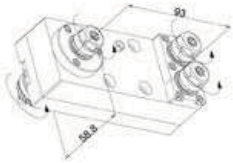
MSC-106-2X Cross Drill/Mill

Collet Size: ER11
Output: 1:2
Coolant-Thru
High Speed



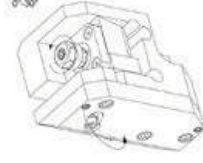
MSC-407 Cross Drill/Mill

Collet Size: ER11
Output: 1:1
Requires Y-Axis



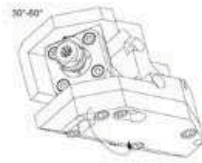
MSC-407-3 Cross Drill/Mill

Collet Size: ER11
Output: 1:1
Requires Y-Axis



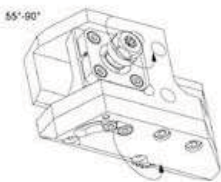
MSA-103 Angled Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable 0-30°



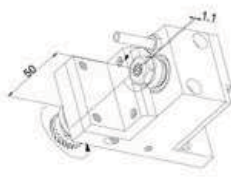
MSA-203 Angled Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable 30-60°



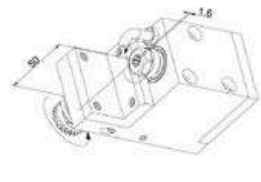
MSA-303 Angled Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable 55-90°



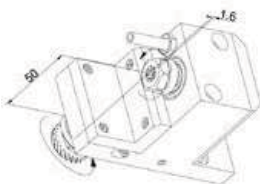
MSE-106-K End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



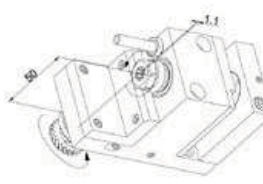
MSE-106-KM End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



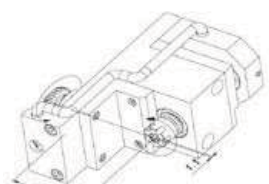
MSE-106-2X End Drill/Mill

Collet Size: ER11
Output: 1:2
Coolant-Thru
High Speed



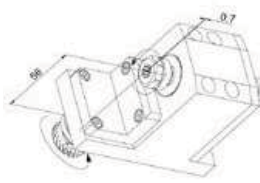
MSE-106-KAI End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



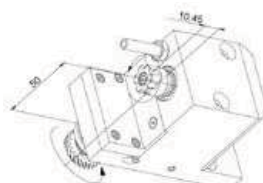
MSE-106-HPA End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



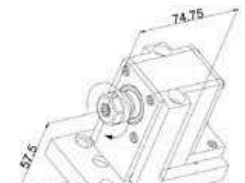
MSE-106-DS End Drill/Mill

Collet Size: ER11
Output: 1:1



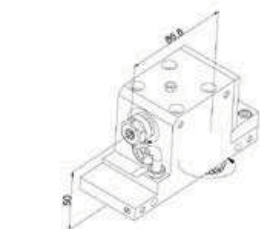
MSE-107-2X End Drill/Mill

Collet Size: ER11
Output: 1:2
Coolant-Thru
High Speed



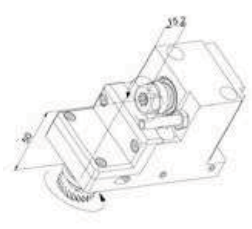
MSE-306-K End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



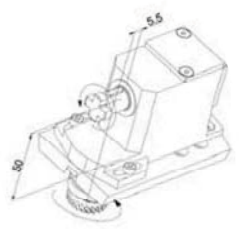
MSE-306-KBL End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



MSE-403 End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



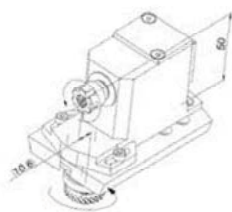
MSF-130 End Drilling/Milling

Collet Size: Ø13
Output: 1:1
Adjustable ±20°

CONTINUED ON NEXT PAGE

Citizen Cincom M12 & M16

Turret



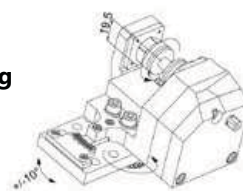
MSF-130-ER End Drilling/Milling

Collet Size: ER11
Output: 1:1
Adjustable $\pm 20^\circ$



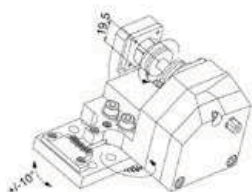
MSP-160 Polygon Milling

ID Size: $\varnothing 16\text{mm}$
Output: 1:3
Max Tool $\varnothing 58\text{mm}$



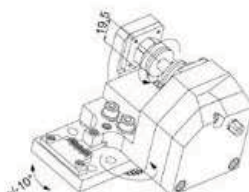
MSH-132-S-080 Gear Hobbing

ID Size: $\varnothing 8\text{mm}$
Output: 3:1
Adjustable $\pm 10^\circ$



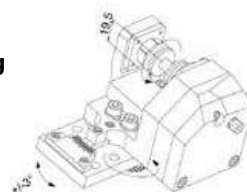
MSH-132-S-035 Gear Hobbing

ID Size: $\varnothing 3.5\text{mm}$
Output: 3:1
Adjustable $\pm 10^\circ$



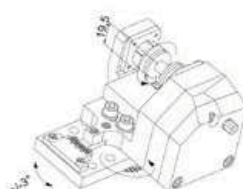
MSH-132-05 Gear Hobbing

ID Size: $\varnothing 5\text{mm}$
Output: 3:1
Adjustable $\pm 3^\circ$



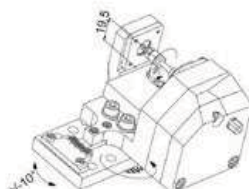
MSH-132-08 Gear Hobbing

ID Size: $\varnothing 8\text{mm}$
Output: 3:1
Adjustable $\pm 3^\circ$



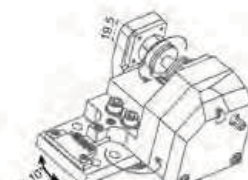
MSH-132-10 Gear Hobbing

ID Size: $\varnothing 10\text{mm}$
Output: 3:1
Adjustable $\pm 3^\circ$



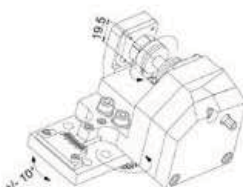
MSH-133-035 Gear Hobbing

ID Size: $\varnothing 3.5\text{mm}$
Output: 1:0.762
Adjustable $\pm 10^\circ$



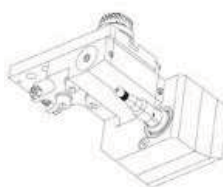
MSH-133-050 Gear Hobbing

ID Size: $\varnothing 5\text{mm}$
Output: 1:0.762
Adjustable $\pm 10^\circ$



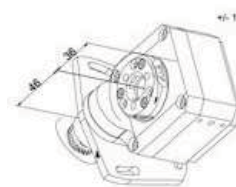
MSH-133-080 Gear Hobbing

ID Size: $\varnothing 8\text{mm}$
Output: 1:0.762
Adjustable $\pm 10^\circ$



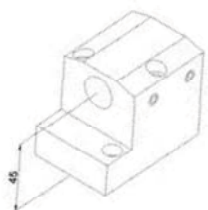
MSH-432-35 Gear Hobbing

ID Size: $\varnothing 3.5\text{mm}$
Output: 1:1
Adjustable $\pm 30^\circ$



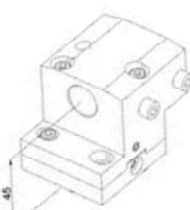
MSW-101 Thread Whirling

Ring: Utilis
Output: 2:1
3,9, or 12 insert cutter,
Adjustable $\pm 10^\circ$



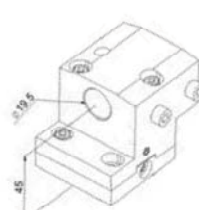
VDF-101 Tool Holder

Tool Size: $\varnothing 19.05\text{mm}$



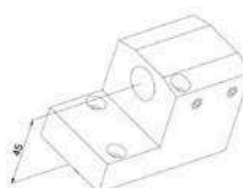
VDF-101-R-S Tool Holder

Tool Size: $\varnothing 19.05\text{mm}$
Adjustable



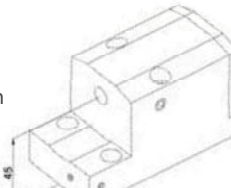
VDF-101-R-S-HF Tool Holder

Tool Size: $\varnothing 19.05\text{mm}$
For High Speed Spindles



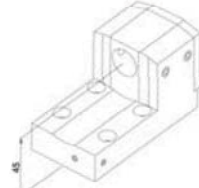
VDF-201 Tool Holder

Tool Size: $\varnothing 19.05\text{mm}$



VDF-207 Tool Holder

Tool Size: $\varnothing 10\text{mm}$
Coolant-Thru



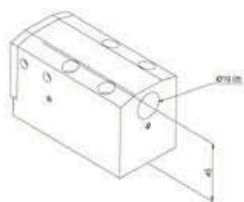
VDF-205-2 Tool Holder

Tool Size: $\varnothing 19.05\text{mm}$
Coolant-Thru

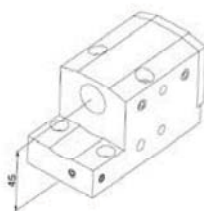
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Citizen Cincom M12 & M16

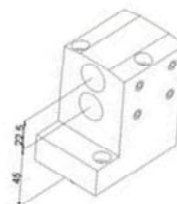
Turret



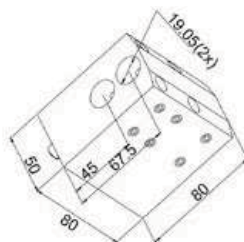
**VDF-205-S-2
Tool Holder**
Tool Size: Ø19.05mm
Coolant-Thru



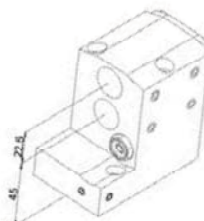
**VDF-206-2
Tool Holder**
Tool Size: Ø19.05mm
Coolant-Thru



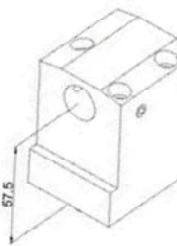
**VDF-401
Tool Holder**
Tool Size: Ø19.05mm



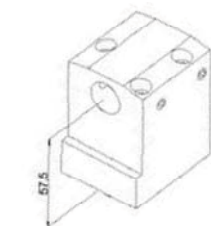
**VDF-401-S
Tool Holder**
Tool Size: Ø19.05mm



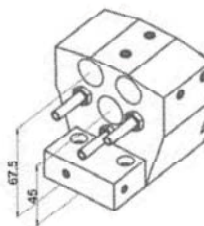
**VDF-401-AR
Tool Holder**
Tool Size: Ø19.05mm
Coolant-Thru



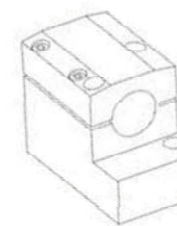
**VDF-501
Tool Holder**
Tool Size: Ø19.05mm



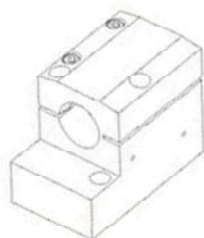
**VDF-501-HF
Tool Holder**
Tool Size: Ø25mm
For High Speed
Spindles



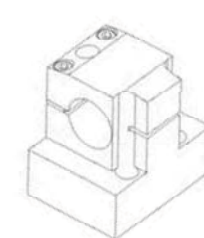
**VDF701-AR
Tool Holder**
Tool Size: Ø19.05mm
Coolant-Thru
Requires Y-Axis



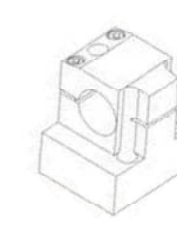
**VDF-HF25
Tool Holder**
Tool Size: Ø25.4mm
For High Speed
Spindles



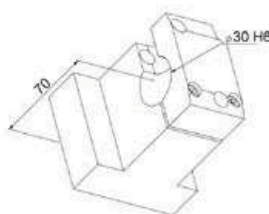
**VDF-HF25-1
Tool Holder**
Tool Size: Ø25mm
For High Speed
Spindles



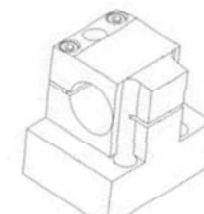
**VDF-HF25-2
Tool Holder**
Tool Size: Ø25mm
For High Speed
Spindles



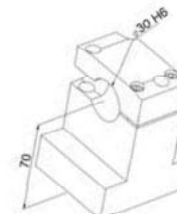
**VDF-HF25-3
Tool Holder**
Tool Size: Ø25.4mm
For High Speed
Spindles



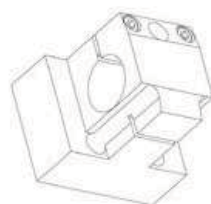
**VDF-HF30
Tool Holder**
Tool Size: Ø30mm
For High Speed
Spindles



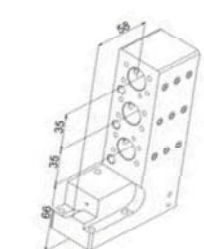
**VDF-HF33
Tool Holder**
Tool Size: Ø33mm
For High Speed
Spindles



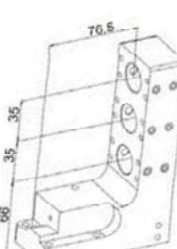
**VDF-HF30
Tool Holder**
Tool Size: Ø30mm
For High Speed
Spindles



**VDF-HF33
Tool Holder**
Tool Size: Ø33mm
For High Speed
Spindles



**MDF-107
Tool Holder**
Tool Size: Ø19mm
For High Speed
Spindles

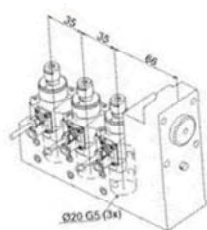


**MDF-107-HFN
Tool Holder**
Tool Size: Ø22mm
For High Speed
Spindles

CONTINUED ON NEXT PAGE

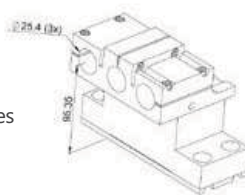
Citizen Cincom M12 & M16

Turret



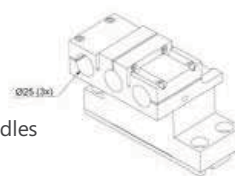
MDF-107-MHF20 Tool Holder

Tool Size: Ø20mm
For High Speed Spindles



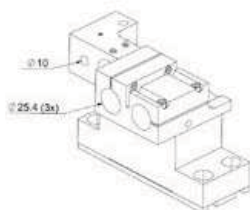
856-003-OF010 Tool Holder

Tool Size: Ø25.4mm
For High Speed Spindles



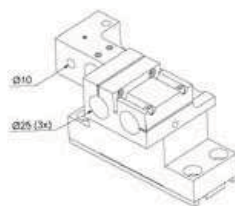
856-003-OF015 Tool Holder

Tool Size: Ø25mm
For High Speed Spindles



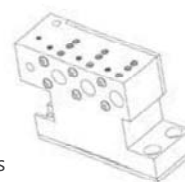
856-003-OF020 Tool Holder

Tool Size: Ø10mm,
25.4mm
Coolant-Thru
For High Speed
Spindles



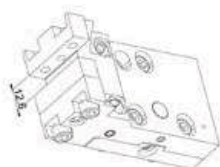
856-003-OF025 Tool Holder

Tool Size: Ø10mm,
25mm
Coolant-Thru
For High Speed Spindles



856-003-OF110 Tool Holder

Tool Size: Ø10mm,
25mm
Coolant-Thru



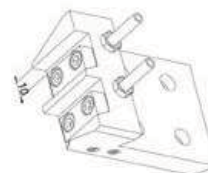
792-VTF110-R-AR Tool Holder

Tool Size: 12x12mm
Coolant-Thru
Adjustable



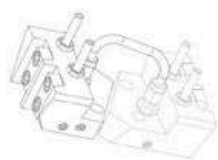
VTF110-AR Tool Holder

Tool Size: 12x12mm
Coolant-Thru



VTF1510 Tool Holder

Tool Size: 10x10mm
Coolant-Thru
Requires Y-Axis



VTF1510-D Tool Holder

Tool Size: 10x10mm
Coolant-Thru
Requires Y-Axis

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**
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Call Us At: 1-413-562-4800



CITIZEN M20 & M32

Swiss Made by

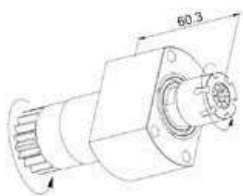


Citizen M₂₀ & M₃₂

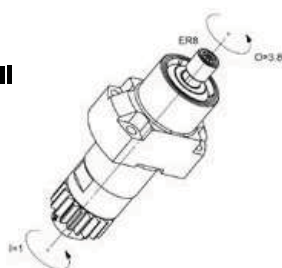
Gang Slide Attachments (Machine's Live Tooling 8,000 RPM Rating)

Operation	Item No.	(#Tools)Size	Output	Other
Cross Drilling / Milling	GSC-1110	(1) ER16	1:1	Cross or end work
	GSC-1110-4X	(1) ER08	1:3.8	Up to 30,000 RPM
	GSC-1113	(1) ER20	1:1	
	GSC-1310-HP	(1) ER16	1:1	High pressure coolant, G1/8 Fitting
Angled Drilling / Milling	BSA-2010	(6) ER16	1:1	Adjustable 0-21°, Interferes with adjacent tooling station
	GSA-1510	(3) ER16	1:1	Adjustable 0-180°
End Drilling / Milling	GSE1510	(3) ER16	1:1	For backworking
	GSE1510-IK	(3) ER16	1:1	For backworking, Coolant-thru ready
	BSE-3207-II	(4) ER16	1:1	Double ended, Spindles rotate in the same direction
	BSE-3207-III	(4) ER16	1:1	Double ended, Spindles rotate in opposite directions to one another
	BSE-3209	(3) ER16	1:1	Spindles rotate in alternating directions
	BSE-3210	(6) ER16	1:1	Double ended, Spindles rotate in alternating directions
	BSE-3106	(3) ER11	1:1	
	BSE-3205	(6) ER11	1:1	Double ended
Polygon Milling	BSP-510	(1) Ø13	1:1	
	BSP-511	(1) Ø10	1:1	
Slitting Saw	GSC-1307-DEC	(1) Ø16	1:1	Max tool Ø 63mm, Width 6mm
	GSS1035-DEC	(1) Ø10	1:1	
Tool Holder	GDF-1501-II	(3) Ø25.4		3 Position 1" Ø Sleeves
Modular	Citizen6-GSP-518 Polygon Milling	(1) Ø8		Max tool Ø45mm, Max thickness 10mm
	Citizen6-GSW-210 Thread Whirling	(1) Utilis	1:1	Spindle base with modular GSW-210 whirling head
	Citizen6-GSW-220 Thread Whirling	(1) Utilis	1:1	Spindle base with modular GSW-220 whirling head

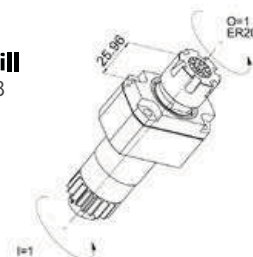
Gang Slide



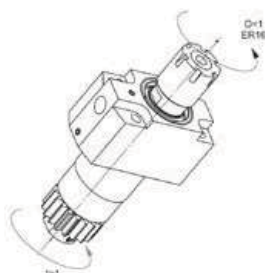
**GSC-1110
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1



**GSC-1110-4X
Cross Drill/Mill**
Collet Size: ER08
Output: 1:3.8
High Speed



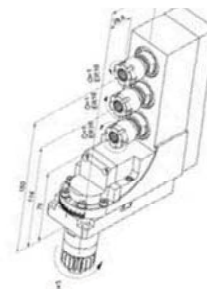
**GSC-1113
Cross Drill/Mill**
Collet Size: ER20
Output: 1:1



**GSC-1310-HP
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
High Pressure Coolant
G1/8 Fitting
[PN#4005-000104]



**BSA-2010
Angled Drill/Mill**
Collet Size: ER16
Output: 1:1
Adjustable 0-21°
Interferes with
adjacent tooling
position



**GSA-1510
Angled Drill/Mill**
Collet Size: ER16
Output: 1:1
Adjustable 0-180°



**GSE-1510
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation



**GSE-1510-IK
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation
Coolant-Thru



**BSE-3207-II
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation

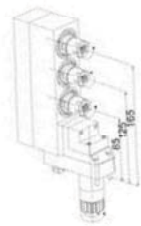
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M₄20 & M₄32 Gang Slide Spindles & Attachments

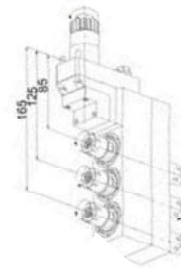
Gang Slide



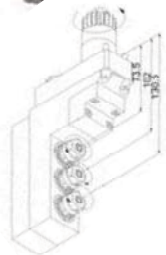
**BSE-3207-III
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation



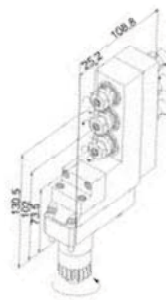
**BSE-3209
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation



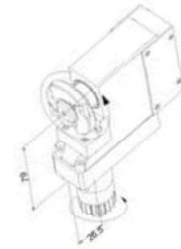
**BSE-3210
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Notice Spindle Rotation



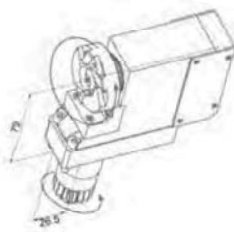
**BSE-3106
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Notice Spindle Rotation



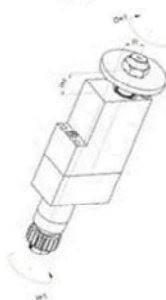
**BSE-3205
End Drill/Mill**
Collet Size: ER11
Output: 1:1
Notice Spindle Rotation



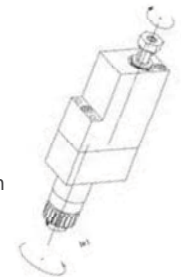
**BSP-510
Polygon Milling**
ID Size: Ø13mm
Output: 1:1
Max Tool Ø 60mm



**BSP-511
Polygon Milling**
ID Size: Ø10mm
Output: 1:1
Max Tool Ø 55mm



**GSC-1307-DEC
Slitting Saw**
Arbor Size: Ø16mm
Output: 1:1
Max Tool Ø: 63mm
Max Tool Thickness: 6mm



**GSS1035-DEC
Slitting Saw**
Arbor Size: Ø10mm
Output: 1:1



**GSW-250
Thread Whirling**
Ring: Utilis
Output: 3:2
3,9, or 12 insert cutter,
Adjustable 0 - 25°
6mm Flight Circle
Fits manual B-Axis



**GSW-255
Thread Whirling**
Ring: Utilis
Output: 3:2
3,9, or 12 insert cutter,
Adjustable 0 - 25°
6mm Flight Circle
For Programmable B-Axis



**GDF-1501-II
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru

Modular Spindle Heads



**BASE SPINDLE
CITIZEN6-PCR**



**Thread Whirling
GSW-210**

Passing Ø: 6mm
Inclination: ±10°



**Thread Whirling
GSW-220**

Passing Ø: 6mm
Inclination: ±20°



**Polygon Milling
GSP-218**

ID: 8mm
OD: 45mm max
Width: 5mm max

Citizen M₃20 & M₃32

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

Operation	Item No.	(#Tools)Size	Output	Other
Cross Drilling / Milling	GSC-510-L-3X	(1) ER11	1:3	High speed spindle
	GSC-510-4X	(1) ER08	1:3.8	High speed spindle
Angled Drilling / Milling	GSA107	(1) ER11	1:1	Adjustable 0-180°
End Drilling / Milling	GSE-306-SE312	(1) ER11	1:3	
	GSE-306-DE312	(2) ER11	1:3	Double ended
	GSE-306-L-520	(1) ER11	1:1	
	GSE-306-DE011	(2) ER11	1:1	Double ended
	GSE-306-DE511	(2) ER11	1:1	Double ended
	GSE-306-DE512	(2) ER11	1:3	Double ended
	GSE-306-SE512	(1) ER11	1:3	
Slitting Saw	GSS-510	(1) Ø16	2:1	
Tool Holder	GDF903	(1) Ø25.4		1" Sleeve holder
	852-354-OF-010	(1) Ø25		HF Spindle holder
Whirling	BTW1000	(1) Utilis	1:1	3, 9, or 12 Insert cutter, Adjustable ±15°
	LSW-101-L20	(1) Utilis	2:1	3, 9, or 12 Insert cutter, Adjustable ±10°
	LSW-215	(1) Utilis	1:1	3, 9, or 12 Insert cutter, Adjustable ±15°

Gang Slide



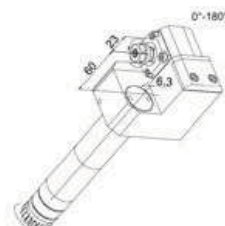
GSC-510-L-3X Cross Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed



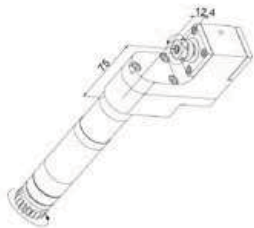
GSC-510-4X Cross Drill/Mill

Collet Size: ER08
Output: 1:3.8
High Speed



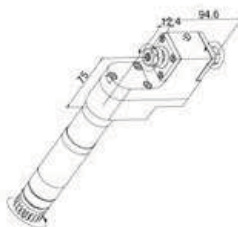
GSA107 Angled Drill/Mill

Collet Size: ER11
Output: 1:1
Adjustable 0-180°



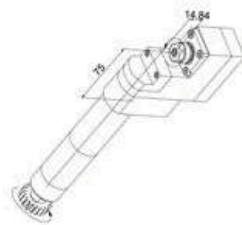
GSE-306-SE312 End Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed



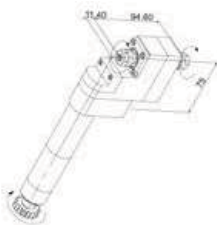
GSE-306-DE312 End Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed
Double Ended



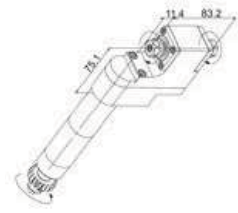
GSE-306-L-520 End Drill/Mill

Collet Size: ER11
Output: 1:1



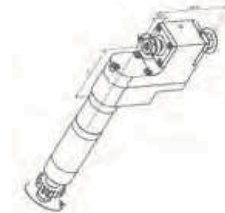
GSE-306-DE011 End Drill/Mill

Collet Size: ER11
Output: 1:1
Double Ended



GSE-306-DE511 End Drill/Mill

Collet Size: ER11
Output: 1:1
Double Ended



GSE-306-DE512 End Drill/Mill

Collet Size: ER11
Output: 1:3
High Speed
Double Ended

CONTINUED ON NEXT PAGE

M₃20 & M₃32 Gang Slide Spindles & Attachments

Live Tooling Repairs & Restoration

- Live Swiss Machine Attachments Restored To Factory Specification
- We Will Restore PCM and All Major OEM Brands
- \$50 Evaluation And Inspection (effective January 1st, 2020)
- Save Money By Shipping To GenSwiss Instead Of Overseas

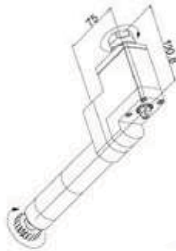


Gang Slide



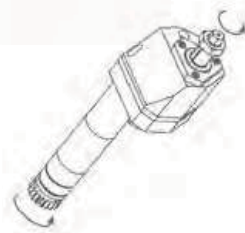
**GSE-306-SE512
End Drill/Mill**

Collet Size: ER11
Output: 1:3
High Speed



**GSE-316-GS
End Drill/Mill**

Collet Size: ER16
Output: 1:1



**GSS-510
Slitting Saw**

Arbor Size: Ø16mm
Output: 2:1



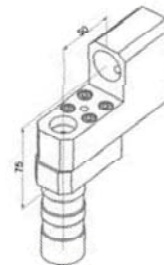
**LSW-101-L20
Thread Whirling**

Ring: Utilis
Output: 1:1
3,9, or 12 insert cutter,
Adjustable ±10°



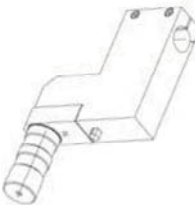
**LSW-215
Thread Whirling**

Ring: Utilis
Output: 1:1
3,9, or 12 insert cutter,
Adjustable ±15°



**GDF903
Tool Holder**

Tool Size: Ø25.4mm (1in)



**852-354-OF-010
Tool Holder**

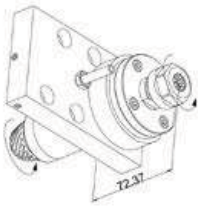
Tool Size: Ø25mm
For High Speed Spindles

Citizen M₃20/M₄20 & M₃32/M₄32 **Turret Attachments**
(Machine's Live Tooling 8,000 RPM Rating)

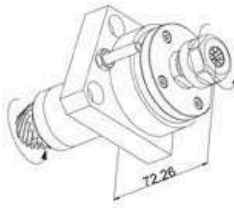
Operation	Item No.	(#Tools) Size	Output	Coolant Thru	Other
Cross Drilling / Milling	KSC110-K	(1) ER16	1:1	Yes	
	KSC110-K-ER	(1) ER16	1:1	Yes	Reduced width
	KSC110-IK	(1) ER16	1:1	Yes	
	KSC110-100ER	(1) ER11	1:2		Reduced width
	KSC110-10000K	(1) ER11	1:2	Yes	
	KSC-310-II	(3) ER16	1:1.462	Yes	
	KSC510	(2) ER16	1:1.462	Yes	Y-axis required
	KSC510-10	(2) ER16	1:1.462	Yes	Y-axis required, 10mm offset
	KSC-510-DEC-K	(1) ER16	1:1	Yes	10mm offset
Angled Drilling / Milling	KSC-DEC-L-10X3	(1) ER11	1:3.012	Yes	10mm offset
	KSA-107-S	(1) ER11	1:1		Adjustable 0-90°
	KSA-107-S-H	(1) ER11	1:1		Adjustable 0-90° 40mm height offset
	KSA-307	(1) ER11	1:1		Adjustable 0-30°
End Drilling / Milling	KSA-407	(1) ER11	1:1		Adjustable 30-90°
	KSE105	(1) Ø31	1:1.2		Use with GSC-1110-4X
	KSE110-BKK	(1) ER16	1:1	Yes	
	KSE110-DE	(1) ER11 (1) ER16	1:1	Yes	Double ended
	KSE110-US	(1) ER16	1:1	Yes	
	KSE110-K	(1) ER16	1:1	Yes	
	KSE110-KAI	(1) ER16	1:1	Yes	
	KSE110-2X	(1) ER16	1:2	Yes	
	KSE-110-DE-32	(2) ER16	1:1	Yes	Double ended
	KSE210-IK	(1) ER16	1:2	Yes	
	KSE250-KAI-2X	(2) ER16	1:2	Yes	Y-axis required
	KSE-307-KAI	(1) ER11	1:1	Yes	
	KSE-310-BKK	(1) ER16	1:1	Yes	
	KSE310-K	(1) ER16	1:1	Yes	
	KSE310-IK	(1) ER16	1:1	Yes	
	KSE310-2X	(1) ER16	1:2	Yes	
	KSE-510-KAI	(2) ER16	1:1	Yes	Y-axis required
Polygon Milling	KSF-130	(1) Ø16	1:1		Adjustable + -20°
	KSF-130-ER	(1) ER11	1:1		Adjustable + -20°
Hobbing	KSH-132-27-17	(1) Ø10	1.588:1		Adjustable 0-20°
	KSH-133-035	(1) Ø3.5	1.588:1		Adjustable 0-30°
Tool Holder	CDF-101	(1) Ø25.4			
	CDF-101-AR-1	(1) Ø25.4		Yes	
	CDF-101-AR-2	(1) Ø19.05		Yes	Boring bar
	CDF-101-AR-S	(1) Ø25.4		Yes	
	CDF-201	(1) Ø25.4			
	CDF-301	(1) Ø25.4			
	CDF-301-AR	(1) Ø25.4		Yes	
	CDF-401	(2) Ø25.4			
	CDF-401-AR	(2) Ø25.4		Yes	
	CDF401-AR-S	(2) Ø25.4		Yes	
	CDF-901-AR	(3) Ø25.4		Yes	Y-axis required
	CDF901-IK	(3) Ø25.4		Yes	Y-axis required
	CDF901-IK-T	(3) Ø25.4		Yes	
	CDF-905-AR	(2) Ø.50" (4) Ø.75"		Yes	Y-axis required
	CDF-HF30	(1) Ø30			
	CTF-1116	(2) 16x16mm		Yes	
	CTF1116-D	(4) 16x16mm		Yes	
	CTF116-AR	(2) 16x16mm		Yes	
Whirling	778-CTF-116-R-AR	(1) 16x16mm		Yes	
	KSW-101	(1) Utilis	2:1		3,9, or 12 insert cutter, Adjustable + -10°

M₃20/M₄20 & M₃32/M₄32 Turret Spindles & Attachments

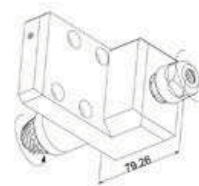
Turret



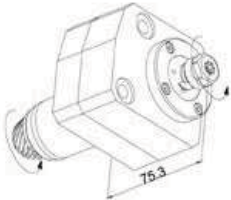
**KSC110-K
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru



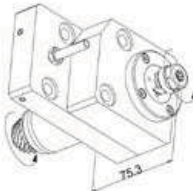
**KSC110-K-ER
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru
Reduced Width



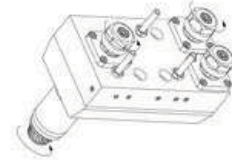
**KSC110-IK
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru



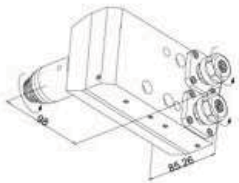
**KSC110-100ER
Cross Drill/Mill**
Collet Size: ER11
Output: 1:2
Coolant-Thru



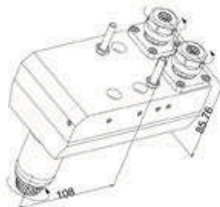
**KSC110-10000K
Cross Drill/Mill**
Collet Size: ER11
Output: 1:2
Coolant-Thru



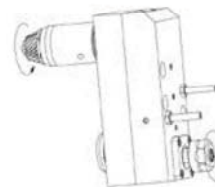
**KSC-310-II
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1.5
Coolant-Thru
Requires Y-Axis



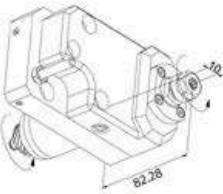
**KSC-510
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1.5
Coolant-Thru
Y-Axis Required



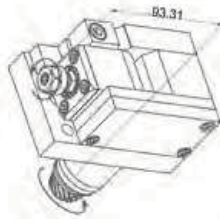
**KSC-510-10
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1.5
Coolant-Thru
Y-Axis Required
10mm Offset



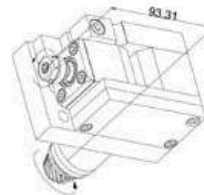
**KSC-510-DEC-K
Cross Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru
10mm Offset



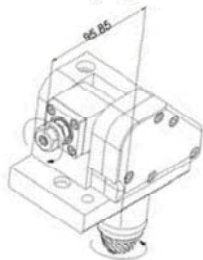
**KSC-DEC-L-10X3
Cross Drill/Mill**
Collet Size: ER11
Output: 1:3
Coolant-Thru
10mm Offset



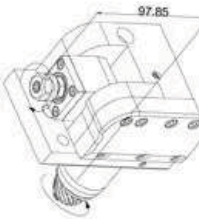
**KSA-107-S
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 0-90°



**KSA-107-S-H
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 0-90°
40mm Height Offset



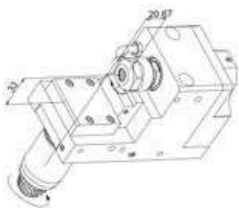
**KSA-307
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 0-30°



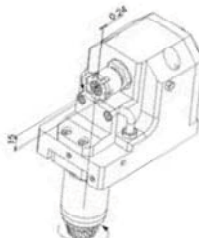
**KSA-407
Angled Drill/Mill**
Collet Size: ER11
Output: 1:1
Adjustable 30-90°



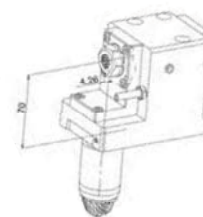
**KSE105
End Drill/Mill**
Collet Size: Ø31mm
Output: 1:1.2
Must Be Used With
GSC-1110-4X Or GSC-
1110 And Increases The
Output Of Spindle. GSC
Spindle Not Included.



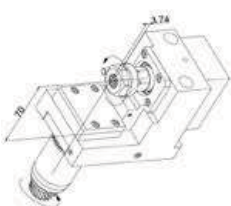
**KSE110-BKK
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru



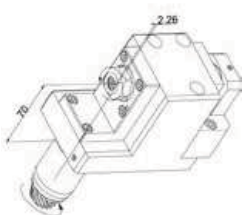
**KSE110-DE
End Drill/Mill**
Collet Size: ER11, ER16
Output: 1:1
Coolant-Thru
Double Ended



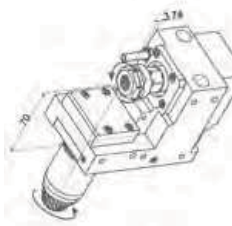
**KSE110-US
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru



**KSE110-K
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru



**KSE110-KAI
End Drill/Mill**
Collet Size: ER16
Output: 1:1
Coolant-Thru

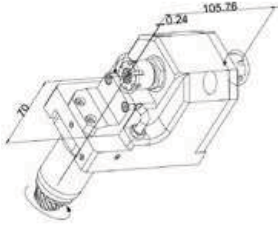


**KSE110-2X
End Drill/Mill**
Collet Size: ER16
Output: 1:2
Coolant-Thru

CONTINUED ON NEXT PAGE

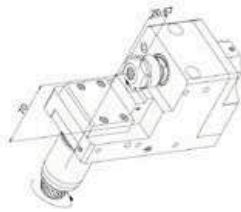
M₃20/M₄20 & M₃32/M₄32 Turret Spindles & Attachments

Turret



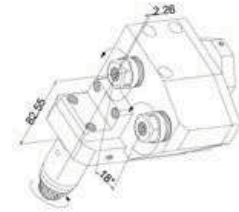
KSE-110-DE-32 End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru
Double Ended



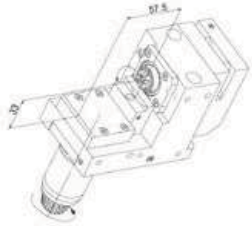
KSE210-IK End Drill/Mill

Collet Size: ER16
Output: 1:2
Coolant-Thru



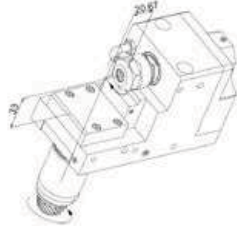
KSE250-KAI-2X End Drill/Mill

Collet Size: ER16
Output: 1:2
Coolant-Thru
*Second Position Is Half Index



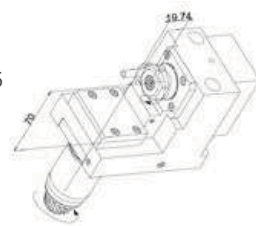
KSE-307-KAI End Drill/Mill

Collet Size: ER11
Output: 1:1
Coolant-Thru



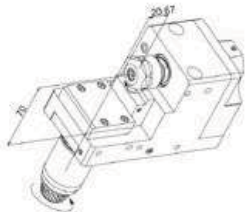
KSE-310-BKK End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru



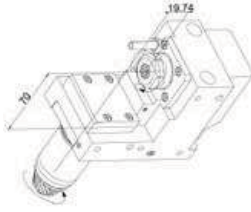
KSE310-K End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru



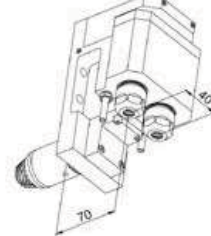
KSE310-IK End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru



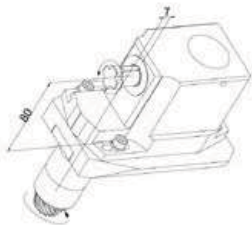
KSE310-2X End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru



KSE-510-KAI End Drill/Mill

Collet Size: ER16
Output: 1:1
Coolant-Thru
Y-Axis Required



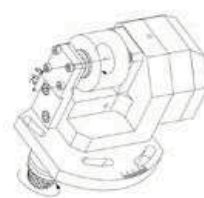
KSF-130 Polygon Milling

Collet Size: Ø16
Output: 1:1
Adjustable ±20°



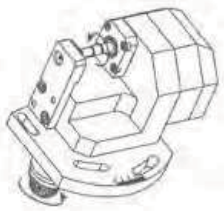
KSF-130-ER Polygon Milling

Collet Size: ER11
Output: 1:1
Adjustable ±20°



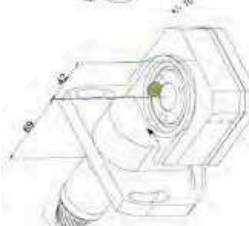
KSH-132-27-17 Gear Hobbing

ID Size: Ø10mm
Output: 1.588:1
Adjustable 0-20°



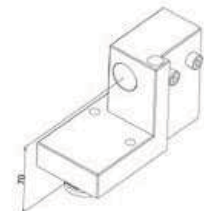
KSH-133-035 Gear Hobbing

ID Size: Ø3.5mm
Output: 1.588:1
Adjustable 0-30°



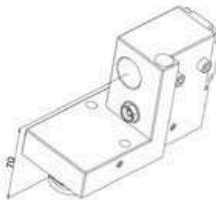
KSW-101 Thread Whirling

Ring: Utilis
Output: 2:1
3, 9, or 12 insert cutter,
Adjustable ±10°



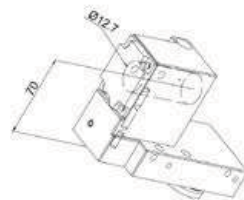
CDF-101 Tool Holder

Tool Size: Ø25.4mm



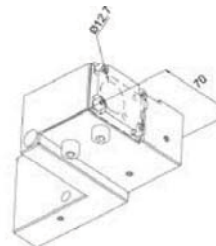
CDF-101-AR-1 Tool Holder

Tool Size: Ø25.4mm
Coolant-Thru



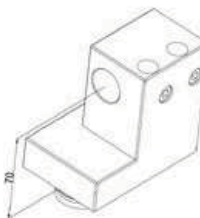
CDF-101-AR-2 Tool Holder

Tool Size: Ø19.05mm
Coolant-Thru
Boring Bars



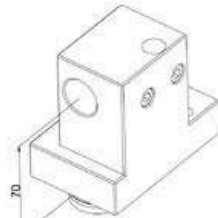
CDF-101-AR-S Tool Holder

Tool Size: Ø25.4mm
Coolant-Thru



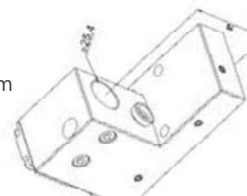
CDF-201 Tool Holder

Tool Size: Ø25.4mm



CDF-301 Tool Holder

Tool Size: Ø25.4mm

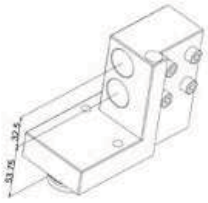


CDF-301-AR Tool Holder

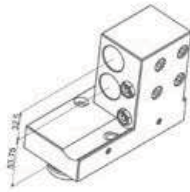
Tool Size: Ø25.4mm
Coolant-Thru

M₃20/M₄20 & M₃32/M₄32 Turret Spindles & Attachments

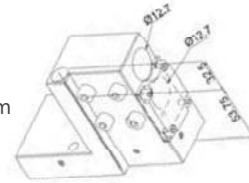
Turret



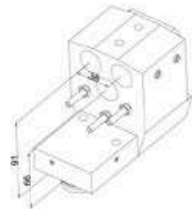
**CDF-401
Tool Holder**
Tool Size: Ø25.4mm



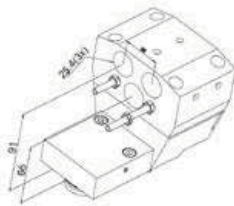
**CDF-401-AR
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru



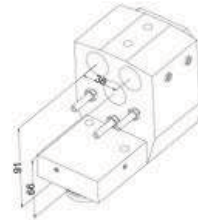
**CDF-401-AR-S
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru



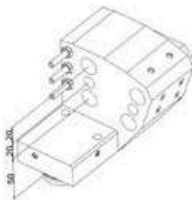
**CDF-901-AR
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru
Y-Axis Required



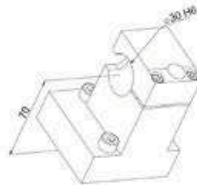
**CDF-901-1K
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru
Y-Axis Required



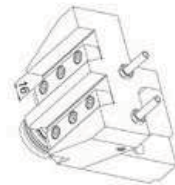
**CDF-901-1K-T-HP
Tool Holder**
Tool Size: Ø25.4mm
Coolant-Thru
Requires Y-Axis
Attaches to CDF-901-1K
High Pressure 100 Bar



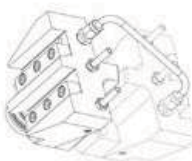
**CDF-905-AR
Gear Hobbing**
Tool Size: Ø.50in, Ø.75in
Coolant-Thru
*Second Position
Is Half Index
*Designed For
M₂32 Only



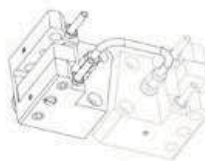
**CDF-HF30
Gear Hobbing**
Tool Size: Ø30mm
For high speed spindles



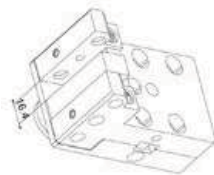
**CTF-1116
Thread Whirling**
Tool Size: 16x16mm
Coolant-Thru
Y-Axis Required



**CTF-1116-D
Tool Holder**
Tool Size: 16x16mm
Coolant-Thru
Y-Axis Required



**CTF-1116-AR
Tool Holder**
Tool Size: 16x16mm
Coolant-Thru



**778-CTF-116-R-AR
Tool Holder**
Tool Size: 16x16mm
Coolant-Thru

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.

- **Live Swiss machine attachments restored to factory specification**
- **PCM and major OEM brands: CITIZEN, STAR, TSUGAMI, TORNOS**
- **\$50 evaluation and inspection (effective January 1st, 2020)**
- **Repaired by factory trained professionals**

Call Us At: 1-413-562-4800

