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WNT \ Performance

Premium quality tools for high performance.

The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

Overview

Collets

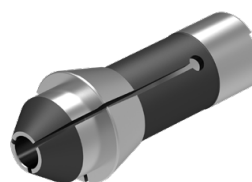
Collets for clamping the bar in the main spindle and for the sub-spindle



3-13

Stem collets

With an adapted stem for improved pick-up of the workpieces and for better secondary operation machinability



14-19

Guide bushes

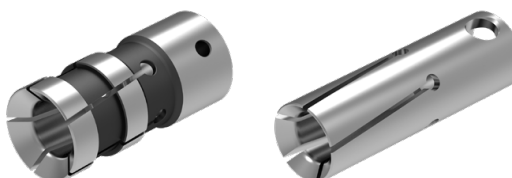
Ensures bar guidance in the main spindle



20-30

Clamping sleeves

Mounting for bar feeder magazines



31-39

Reduction sleeves

With a reduction sleeve, small tools can be used directly on tool clamping points with larger mounting diameters.



40



Other profile shapes and sizes and extended options available on request.

Collets overview

Norm	Clamping diameter range in mm	Profile	Version	Page No.
116 E / F 13	Ø 6,0 – 10,0		Grooved	4
	Ø 1,0 – 10,0		Smooth	4
120 E / F 15	Ø 6,0 – 12,0		Grooved	5
	Ø 1,0 – 12,0		Smooth	5
	SW 2,0 – 11,0		Grooved*	5
F 16 / 1212 E	Ø 1,0 – 13,0		Grooved	6
	Ø 6,0 – 13,0		Smooth	6
136 E / F 20-201	Ø 6,0 – 16,0		Grooved	7
	Ø 1,0 – 16,0		Smooth	7
138 E / F 20-87	Ø 6,0 – 16,0		Grooved	8
	Ø 1,0 – 16,0		Smooth	8
	SW 2,0 – 14,0		Grooved*	8
145 E / F 25	Ø 6,0 – 20,0		Grooved	9+10
	Ø 1,5 – 20,0		Smooth	9+10
	SW 2,0 – 19,0		Grooved*	9+10
	SW 2,0 – 15,0		Grooved*	9+10
F 37 / 1536 E	Ø 6,0 – 32,0		Grooved	11–13
	Ø 1,0 – 32,0		Smooth	11–13
	SW 3,0 – 27,0		Grooved*	11–13
	SW 3,0 – 23,0		Grooved*	11–13

* Grooved from SW 8



Other profile shapes and sizes and extended options available on request.

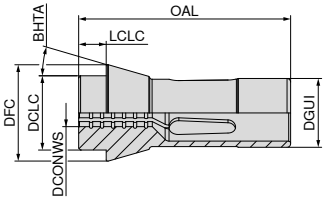


Should you wish to send us a request for specially adjusted solutions, you will find a detailed form in the download area on our homepage.
Please fill it out carefully and send it via email or print it out and send via fax. → cuttingtools.ceratizit.com/int/en/download.html

Please email the completed form to global.techsupport@ceratizit.com.

Collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
116 E / F 13	13	19	13	6	64	16



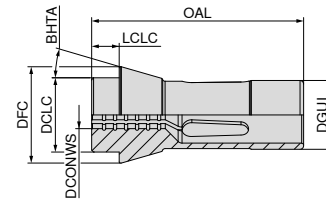
Pressure collet 116 E / F 13



DGUI mm	Grooved 116 E / F 13	Smooth 116 E / F 13
	81 000 ...	81 002 ...
1,0		01000
1,5		01500
2,0		02000
2,5		02500
3,0		03000
3,5		03500
4,0		04000
4,5		04500
5,0		05000
5,5		05500
6,0	06000	06000
6,5	06500	06500
7,0	07000	07000
7,5	07500	07500
8,0	08000	08000
8,5	08500	08500
9,0	09000	09000
9,5	09500	09500
10,0	10000	10000

Collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
120 E / F 15	15	21	15	6	64	16



Pressure collet 120 E / F 15

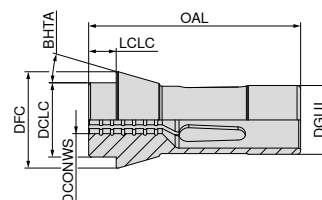


		Grooved 120 E / F 15 Smooth 120 E / F 15 Grooved 120 E / F 15		
		81 003 ...	81 005 ...	81 031 ...
DCONWS mm	DCONWS inch			
1,000			01000	
1,500			01500	
2,000			02000	02000 ¹⁾
2,500			02500	
3,000			03000	03000 ¹⁾
3,175	1/8			03175 ¹⁾
3,500			03500	
4,000			04000	04000 ¹⁾
4,500			04500	
5,000			05000	05000 ¹⁾
5,500			05500	
6,000		06000	06000	06000 ¹⁾
6,350	1/4			06350 ¹⁾
6,500		06500	06500	
7,000		07000	07000	07000 ¹⁾
7,500		07500	07500	
8,000		08000	08000	08000
8,500		08500	08500	
9,000		09000	09000	09000
9,500			09500	
10,000		10000	10000	10000
10,500		10500	10500	
11,000		11000	11000	11000
11,500		11500	11500	
12,000		12000	12000	

1) Without transverse grooves

Collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
F 16 / 1212 E	16	21	16	6	64	16



Pressure collet F 16 / 1212 E



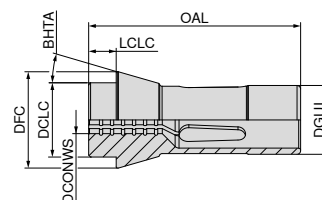
Grooved
F 16 / 1212 E

Smooth
F 16 / 1212 E

DCONWS mm	81 019 ...	81 021 ...
1,0		01000
1,5		01500
2,0		02000
2,5		02500
3,0		03000
3,5		03500
4,0		04000
4,5		04500
5,0		05000
5,5		05500
6,0	06000	06000
6,5	06500	06500
7,0	07000	07000
7,5	07500	07500
8,0	08000	08000
8,5	08500	08500
9,0	09000	09000
9,5	09500	09500
10,0	10000	10000
10,5	10500	10500
11,0	11000	11000
11,5	11500	11500
12,0	12000	12000
12,5	12500	12500
13,0	13000	13000

Collets

Designation	DG UI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
136 E / F 20-201	20	26	19	5	54	15



Pressure collet 136 E / F 20-201



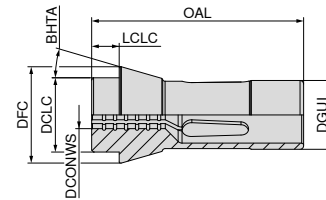
● Grooved
136 E / F 20-201

● Smooth
136 E / F 20-201

DCONWS mm	81 007 ... Grooved 136 E / F 20-201	81 009 ... Smooth 136 E / F 20-201
1,0		01000
1,5		01500
2,0		02000
2,5		02500
3,0		03000
3,5		03500
4,0		04000
4,5		04500
5,0		05000
5,5		05500
6,0	06000	06000
6,5	06500	06500
7,0	07000	07000
7,5	07500	07500
8,0	08000	08000
8,5	08500	08500
9,0	09000	09000
9,5	09500	09500
10,0	10000	10000
10,5	10500	10500
11,0	11000	11000
11,5	11500	11500
12,0	12000	12000
12,5	12500	12500
13,0	13000	13000
13,5	13500	13500
14,0	14000	14000
14,5	14500	14500
15,0	15000	15000
15,5	15500	15500
16,0	16000	16000

Collets

Designation	DG UI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
138 E / F20-87	20	28	21	7	67	16



Pressure collet 138 E / F 20-87

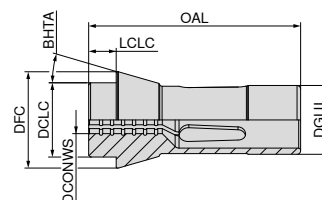


		 Grooved 138 E / F20-87 Smooth 138 E / F20-87 Grooved 138 E / F20-87		
DCONWS mm	DCONWS inch	81 011 ...	81 013 ...	81 026 ...
1,00			01000	
1,50			01500	
2,00			02000	02000 ¹⁾
2,50			02500	
3,00			03000	03000 ¹⁾
3,50			03500	
4,00			04000	04000 ¹⁾
4,50			04500	
5,00			05000	05000 ¹⁾
5,50			05500	
6,00		06000	06000	06000 ¹⁾
6,35	1/4			06350 ¹⁾
6,50		06500	06500	
7,00		07000	07000	07000 ¹⁾
7,50		07500	07500	
8,00		08000	08000	08000
8,50		08500	08500	
9,00		09000	09000	09000
9,50		09500	09500	
10,00		10000	10000	10000
10,50		10500	10500	
11,00		11000	11000	11000
11,50		11500	11500	
12,00		12000	12000	12000
12,50		12500	12500	
13,00		13000	13000	13000
13,50		13500	13500	
14,00		14000	14000	14000
14,50		14500	14500	
15,00		15000	15000	
15,50		15500	15500	
16,00		16000	16000	

1) Without transverse grooves

Collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
145 E / F 25	25	35	27	10	77	16



Pressure collet 145 E / F 25



DCONWS mm	DCONWS inch	Grooved 145 E / F 25 81 015 ...	Smooth 145 E / F 25 81 017 ...	Grooved 145 E / F 25 81 027 ...	Grooved 145 E / F 25 81 029 ...
1,500			01500		
1,501 - 1,999			xxxxx ²⁾		
2,000			02000	02000 ¹⁾	02000 ¹⁾
2,001 - 2,499			xxxxx ²⁾		
2,500			02500		
2,501 - 2,999			xxxxx ²⁾		
3,000			03000	03000 ¹⁾	03000 ¹⁾
3,001 - 3,499			xxxxx ²⁾		
3,500			03500		
3,501 - 3,999			xxxxx ²⁾		
4,000			04000	04000 ¹⁾	04000 ¹⁾
4,001 - 4,499			xxxxx ²⁾		
4,500			04500		
4,501 - 4,999			xxxxx ²⁾		
5,000			05000	05000 ¹⁾	05000 ¹⁾
5,001 - 5,499			xxxxx ²⁾		
5,500			05500		
5,501 - 5,999			xxxxx ²⁾		
6,000		06000	06000	06000 ¹⁾	06000 ¹⁾
6,001 - 6,349		xxxxx ²⁾			
6,350	1/4	06350	06350	06350 ¹⁾	
6,351 - 6,499		xxxxx ²⁾			
6,500		06500	06500		
6,501 - 6,999		xxxxx ²⁾			
7,000		07000	07000	07000 ¹⁾	07000 ¹⁾
7,001 - 7,499		xxxxx ²⁾			
7,500		07500	07500		
7,501 - 7,937		xxxxx ²⁾			
7,938	5/16	07938	07938		
7,939 - 7,999		xxxxx ²⁾			
8,000		08000	08000	08000	08000
8,001 - 8,499		xxxxx ²⁾			
8,500		08500	08500		
8,501 - 8,999		xxxxx ²⁾			
9,000		09000	09000	09000	09000
9,001 - 9,499		xxxxx ²⁾			
9,500		09500	09500		
9,501 - 9,999		xxxxx ²⁾			
10,000		10000	10000	10000	10000
10,001 - 10,499		xxxxx ²⁾			
10,500		10500	10500		
10,501 - 10,999		xxxxx ²⁾			
11,000		11000	11000	11000	11000
11,001 - 11,112		xxxxx ²⁾			

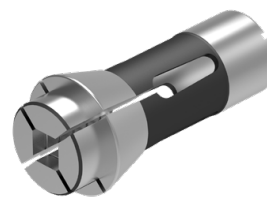
1) Without transverse grooves

2) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 015 06789).

Pressure collet 145 E / F 25



DCONWS mm	DCONWS inch	Grooved 145 E / F 25 81 015 ...	Smooth 145 E / F 25 81 017 ...	Grooved 145 E / F 25 81 027 ...	Grooved 145 E / F 25 81 029 ...
11,113	7/16	11113	11113		
11,114 - 11,499		xxxxx ²⁾			
11,500		11500	11500		
11,501 - 11,999		xxxxx ²⁾			
12,000		12000	12000	12000	12000
12,001 - 12,499		xxxxx ²⁾			
12,500		12500	12500		
12,501 - 12,699		xxxxx ²⁾			
12,700	1/2	12700	12700	12700	
12,701 - 12,999		xxxxx ²⁾			
13,000		13000	13000	13000	13000
13,001 - 13,499		xxxxx ²⁾			
13,500		13500	13500		
13,501 - 13,999		xxxxx ²⁾			
14,000		14000	14000	14000	14000
14,001 - 14,499		xxxxx ²⁾			
14,500		14500	14500		
14,501 - 14,999		xxxxx ²⁾			
15,000		15000	15000	15000	15000
15,001 - 15,499		xxxxx ²⁾			
15,500		15500	15500		
15,501 - 15,999		xxxxx ²⁾			
16,000		16000	16000	16000	
16,001 - 16,499		xxxxx ²⁾			
16,500		16500	16500		
16,501 - 16,999		xxxxx ²⁾			
17,000		17000	17000	17000	
17,001 - 17,499		xxxxx ²⁾			
17,500		17500	17500		
17,501 - 17,999		xxxxx ²⁾			
18,000		18000	18000	18000	
18,001 - 18,499		xxxxx ²⁾			
18,500		18500	18500		
18,501 - 18,999		xxxxx ²⁾			
19,000		19000	19000	19000	
19,001 - 19,049		xxxxx ²⁾			
19,050	3/4	19050			
19,051 - 19,499		xxxxx ²⁾			
19,500		19500	19500		
19,501 - 19,999		xxxxx ²⁾			
20,000		20000	20000		

1) Without transverse grooves

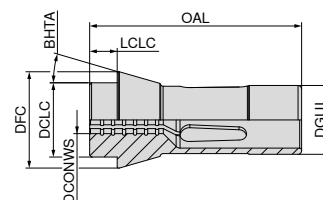
2) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 015 06789).

Collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °
F 37 / 1536 E	37	47	40	10	92	16



Pressure collet F 37 / 1536 E



DCONWS mm	DCONWS inch	Grooved F 37 / 1536 E 81 023 ...	Smooth F 37 / 1536 E 81 025 ...	Grooved F 37 / 1536 E 81 028 ...	Grooved F 37 / 1536 E 81 030 ...
1,000			01000		
1,001 - 1,499			xxxxx ²⁾		
1,500			01500		
1,501 - 1,999			xxxxx ²⁾		
2,000			02000		
2,001 - 2,499			xxxxx ²⁾		
2,500			02500		
2,501 - 2,999			xxxxx ²⁾		
3,000			03000	03000 ¹⁾	03000 ¹⁾
3,001 - 3,499			xxxxx ²⁾		
3,500			03500		
3,501 - 3,999			xxxxx ²⁾		
4,000			04000	04000 ¹⁾	04000 ¹⁾
4,001 - 4,499			xxxxx ²⁾		
4,500			04500		
4,501 - 4,999			xxxxx ²⁾		
5,000			05000	05000 ¹⁾	05000 ¹⁾
5,001 - 5,499			xxxxx ²⁾		
5,500			05500		
5,501 - 5,999			xxxxx ²⁾		
6,000		06000	06000	06000 ¹⁾	06000 ¹⁾
6,001 - 6,349		xxxxx ²⁾			
6,350	1/4	06350	06350	06350 ¹⁾	06350 ¹⁾
6,351 - 6,499		xxxxx ²⁾			
6,500		06500	06500		
6,501 - 6,999		xxxxx ²⁾			
7,000		07000	07000	07000 ¹⁾	07000 ¹⁾
7,001 - 7,499		xxxxx ²⁾			
7,500		07500	07500		
7,501 - 7,999		xxxxx ²⁾			
8,000		08000	08000	08000	08000
8,001 - 8,499		xxxxx ²⁾			
8,500		08500	08500		
8,501 - 8,999		xxxxx ²⁾			
9,000		09000	09000	09000	09000
9,001 - 9,499		xxxxx ²⁾			
9,500		09500	09500		
9,501 - 9,524		xxxxx ²⁾			
9,525	3/8	09525			
9,526 - 9,999		xxxxx ²⁾			
10,000		10000	10000	10000	10000
10,001 - 10,499		xxxxx ²⁾			
10,500		10500	10500		
10,501 - 10,999		xxxxx ²⁾			

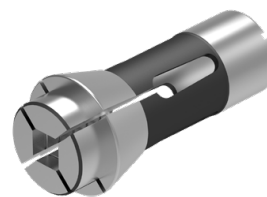
1) Without transverse grooves

2) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 023 06789).

Pressure collet F 37 / 1536 E



DCONWS mm	DCONWS inch	Grooved F 37 / 1536 E 81 023 ...	Smooth F 37 / 1536 E 81 025 ...	Grooved F 37 / 1536 E 81 028 ...	Grooved F 37 / 1536 E 81 030 ...
11,000		11000	11000	11000	11000
11,001 - 11,499		xxxxx ²⁾			
11,500		11500	11500		
11,501 - 11,999		xxxxx ²⁾			
12,000		12000	12000	12000	12000
12,001 - 12,499		xxxxx ²⁾			
12,500		12500	12500		
12,501 - 12,699		xxxxx ²⁾			
12,700	1/2	12700	12700	12700	12700
12,701 - 12,999		xxxxx ²⁾			
13,000		13000	13000	13000	13000
13,001 - 13,499		xxxxx ²⁾			
13,500		13500	13500		
13,501 - 13,999		xxxxx ²⁾			
14,000		14000	14000	14000	14000
14,001 - 14,499		xxxxx ²⁾			
14,500		14500	14500		
14,501 - 14,999		xxxxx ²⁾			
15,000		15000	15000	15000	15000
15,001 - 15,499		xxxxx ²⁾			
15,500		15500	15500		
15,501 - 15,999		xxxxx ²⁾			
16,000		16000	16000	16000	16000
16,001 - 16,499		xxxxx ²⁾			
16,500		16500	16500		
16,501 - 16,999		xxxxx ²⁾			
17,000		17000	17000	17000	17000
17,001 - 17,499		xxxxx ²⁾			
17,500		17500	17500		
17,501 - 17,999		xxxxx ²⁾			
18,000		18000	18000	18000	18000
18,001 - 18,499		xxxxx ²⁾			
18,500		18500	18500		
18,501 - 18,999		xxxxx ²⁾			
19,000		19000	19000	19000	19000
19,001 - 19,049		xxxxx ²⁾			
19,050	3/4	19050	19050		
19,051 - 19,499		xxxxx ²⁾			
19,500		19500	19500		
19,501 - 19,999		xxxxx ²⁾			
20,000		20000	20000	20000	20000
20,001 - 20,499		xxxxx ²⁾			
20,500		20500	20500		
20,501 - 20,999		xxxxx ²⁾			
21,000		21000	21000	21000	21000
21,001 - 21,499		xxxxx ²⁾			
21,500		21500	21500		
21,501 - 21,999		xxxxx ²⁾			
22,000		22000	22000	22000	22000
22,001 - 22,224		xxxxx ²⁾			
22,225	7/8	22225			
22,226 - 22,499		xxxxx ²⁾			
22,500		22500	22500		
22,501 - 22,999		xxxxx ²⁾			
23,000		23000	23000	23000	23000

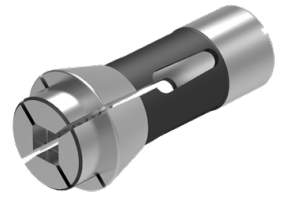
1) Without transverse grooves

2) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 023 06789).

Pressure collet F 37 / 1536 E



DCONWS mm	DCONWS inch	Grooved F 37 / 1536 E 81 023 ...	Smooth F 37 / 1536 E 81 025 ...	Grooved F 37 / 1536 E 81 028 ...	Grooved F 37 / 1536 E 81 030 ...
23,001 - 23,499		xxxxx ²⁾			
23,500		23500	23500		
23,501 - 23,999		xxxxx ²⁾			
24,000		24000	24000	24000	
24,001 - 24,499		xxxxx ²⁾			
24,500		24500	24500		
24,501 - 24,999		xxxxx ²⁾			
25,000		25000	25000	25000	
25,001 - 25,499		xxxxx ²⁾			
25,400	1/1			25400	
25,500		25500	25500		
25,501 - 25,999		xxxxx ²⁾			
26,000		26000	26000	26000	
26,001 - 26,499		xxxxx ²⁾			
26,500		26500	26500		
26,501 - 26,999		xxxxx ²⁾			
27,000		27000	27000	27000	
27,001 - 27,499		xxxxx ²⁾			
27,500		27500	27500		
27,501 - 27,999		xxxxx ²⁾			
28,000		28000	28000		
28,001 - 28,499		xxxxx ²⁾			
28,500		28500	28500		
28,501 - 28,999		xxxxx ²⁾			
29,000		29000	29000		
29,001 - 29,499		xxxxx ²⁾			
29,500		29500	29500		
29,501 - 29,999		xxxxx ²⁾			
30,000		30000	30000		
30,001 - 30,499		xxxxx ²⁾			
30,500		30500	30500		
30,501 - 30,999		xxxxx ²⁾			
31,000		31000	31000		
31,001 - 31,499		xxxxx ²⁾			
31,500		31500	31500		
31,501 - 31,999		xxxxx ²⁾			
32,000		32000	32000		

1) Without transverse grooves

2) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 023 06789).

Stem collets overview

Norm	Clamping diameter range in mm	Profile	Version	Page No.
116 E / F 13	Ø 1,0 – 8,0		Smooth	15
120 E / F 15	Ø 1,0 – 8,0		Smooth	15
F 16 / 1212 E	Ø 1,0 – 9,0		Smooth	16
138 E / F 20-87	Ø 1,0 – 12,0		Smooth	16
136 E / F 20-201	Ø 1,0 – 14,0		Smooth	17
145 E / F 25	Ø 1,0 – 20,0		Smooth	18
F 37 / 1536 E	Ø 1,0 – 28,0		Smooth	19



Other profile shapes and sizes and extended options available on request.

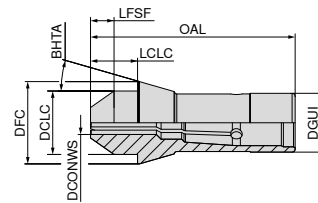


Should you wish to send us a request for specially adjusted solutions, you will find a detailed form in the download area on our homepage.
Please fill it out carefully and send it via email or print it out and send via fax. → cuttingtools.ceratizit.com/int/en/download.html

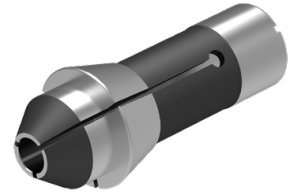
Please email the completed form to global.techsupport@ceratizit.com.

Stem collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °	LFSF mm
116 E / F 13	13	19	13	12	70	16	6
120 E / F 15	15	21	15	13	71	16	7
120 E / F 15	15	21	15	15	73	16	9



Stem collet 116 E / F 13

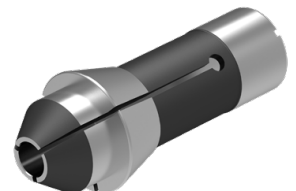


Smooth
116 E / F 13

81 001 ...

DCONWS mm	
1	01000
2	02000
3	03000
4	04000
5	05000
6	06000
7	07000

Stem collet 120 E / F 15



Smooth
120 E / F 15
LFSF = 7 mm

Smooth
120 E / F 15
LFSF = 9 mm

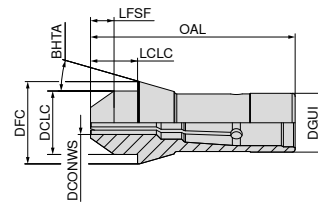
81 004 ...

81 006 ...

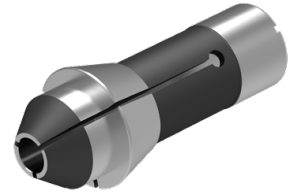
DCONWS mm		
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000

Stem collets

Designation	DGUL mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °	LFSF mm
F 16 / 1212 E	16	21	16	13	71	16	7
F 16 / 1212 E	16	21	16	15	73	16	9
138 E / F20-87	20	28	21	15	78	16	8
138 E / F20-87	20	28	21	20	80	16	13

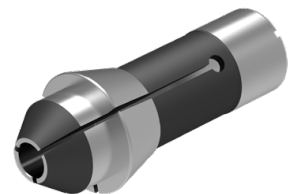


Stem collet F 16 / 1212 E



DCONWS mm	Smooth F 16 / 1212 E LFSF = 7 mm 81 020 ...	Smooth F 16 / 1212 E LFSF = 9 mm 81 022 ...
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000
9	09000	09000

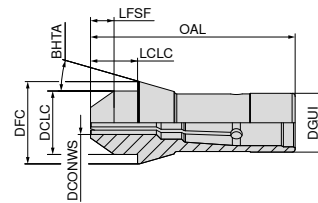
Stem collet 138 E / F 20-87



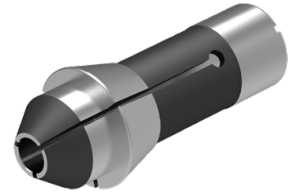
DCONWS mm	Smooth 138 E / F20-87 LFSF = 8 mm 81 012 ...	Smooth 138 E / F20-87 LFSF = 13 mm 81 014 ...
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000
9	09000	09000
10	10000	10000
11	11000	11000
12	12000	12000

Stem collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °	LFSF mm
136 E / F 20-201	20	26	19	13	62	15	8
136 E / F 20-201	20	26	19	15	64	15	10



Stem collet 136 E / F 20-201

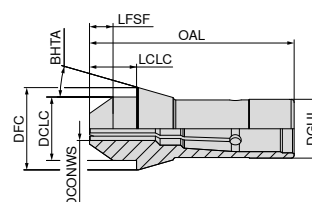


Smooth 136 E / F 20-201 LFSF = 8 mm	Smooth 136 E / F 20-201 LFSF = 10 mm
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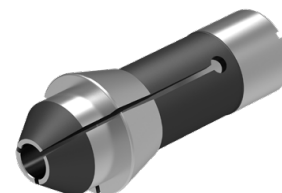
DCONWS mm	81 008 ...	81 010 ...
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000
9	09000	09000
10	10000	10000
11	11000	11000
12	12000	12000
13		13000
14		14000

Stem collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °	LFSF mm
145 E / F 25	25	35	27	20	87	16	10
145 E / F 25	25	35	27	25	92	16	15



Stem collet 145 E / F 25



Smooth	Smooth
145 E / F 25	145 E / F 25
LFSF = 10 mm	LFSF = 15 mm

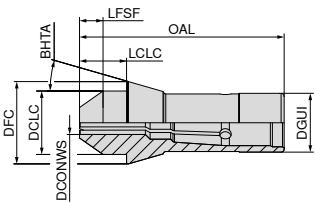
81 016 ...

81 018 ...

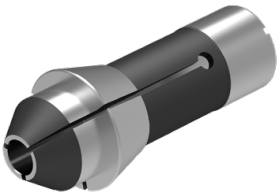
DCONWS mm		
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000
9	09000	09000
10	10000	10000
11	11000	11000
12	12000	12000
13	13000	13000
14	14000	14000
15	15000	15000
16	16000	16000
17	17000	17000
18	18000	18000
19	19000	19000
20	20000	20000

Stem collets

Designation	DGUI mm	DFC mm	DCLC mm	LCLC mm	OAL mm	BHTA °	LFSF mm
F 37 / 1536 E	37	47	40	25	107	16	15



Stem collet F 37 / 1536 E



Smooth
F 37 / 1536 E

81 024 ...

DCONWS mm	
1	01000
2	02000
3	03000
4	04000
5	05000
6	06000
7	07000
8	08000
9	09000
10	10000
11	11000
12	12000
13	13000
14	14000
15	15000
16	16000
17	17000
18	18000
19	19000
20	20000
21	21000
22	22000
23	23000
24	24000
25	25000
26	26000
27	27000
28	28000

Adjustable guide bushes overview

Norm	Guide diameter range in mm	Profile	Version	Page No.
I353	Ø 1,0 – 10,5		Carbide insert	21
F853	Ø 1,0 – 13,0		Carbide insert	22
F391	Ø 1,0 – 18,0		Carbide insert	23
F605	Ø 1,0 – 17,0		Carbide insert	24
T223	Ø 1,0 – 22,0		Carbide insert	25
	SW 2,0 – 11,0		Carbide insert	25
	SW 2,0 – 15,0		Carbide insert	25
I357	Ø 2,0 – 22,0		Carbide insert	26
T227	Ø 1,0 – 25,0		Carbide insert	27
T229	Ø 2,0 – 32,0		Carbide insert	28
	SW 2,0 – 14,0		Carbide insert	28

Flexible GBE guide bushes overview

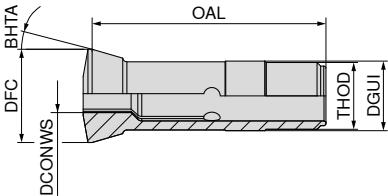
GBE 28	Ø 2,0 – 15,0		29
GBE 42	Ø 2,0 – 15,0		30



Other profile shapes and sizes and extended options available on request.

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
I 353	16	19,5	56,79	16	M14 x 1



Adjustable guide bush I 353

- ▲ For Star* CNC sliding head lathes
- ▲ With carbide insert



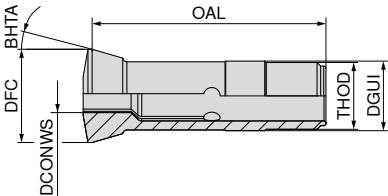
I 353

81 035 ...

DCONWS mm	
1,0	01000
1,5	01500
2,0	02000
2,5	02500
3,0	03000
3,5	03500
4,0	04000
4,5	04500
5,0	05000
5,5	05500
6,0	06000
6,5	06500
7,0	07000
7,5	07500
8,0	08000
8,5	08500
9,0	09000
9,5	09500
10,0	10000
10,5	10500

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
F 853	18	22	60	30	M16 x 1



Adjustable guide bush F 853

▲ With carbide insert



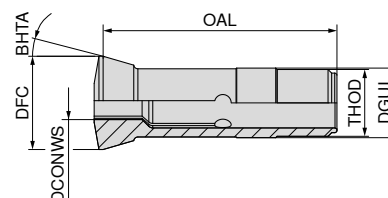
F 853

81 034 ...

DCONWS mm	
1,0	01000
1,5	01500
2,0	02000
2,5	02500
3,0	03000
3,5	03500
4,0	04000
4,5	04500
5,0	05000
5,5	05500
6,0	06000
6,5	06500
7,0	07000
7,5	07500
8,0	08000
8,5	08500
9,0	09000
9,5	09500
10,0	10000
10,5	10500
11,0	11000
11,5	11500
12,0	12000
12,5	12500
13,0	13000

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
F 391	22	29	68	16	M22 x 1



Adjustable guide bush F 391

▲ With carbide insert



F 391

81 032 ...

DCONWS mm	DCONWS inch	
1,000		01000
1,001 - 1,499		xxxxx ¹⁾
1,500		01500
1,501 - 1,999		xxxxx ¹⁾
2,000		xxxxx ¹⁾
2,001 - 2,499		xxxxx ¹⁾
2,500		02500
2,501 - 2,999		xxxxx ¹⁾
3,000		03000
3,001 - 3,499		xxxxx ¹⁾
3,500		03500
3,501 - 3,999		xxxxx ¹⁾
4,000		04000
4,001 - 4,499		xxxxx ¹⁾
4,500		04500
4,501 - 4,999		xxxxx ¹⁾
5,000		05000
5,001 - 5,499		xxxxx ¹⁾
5,500		05500
5,501 - 5,999		xxxxx ¹⁾
6,000		06000
6,001 - 6,349		xxxxx ¹⁾
6,350	1/4	06350
6,351 - 6,499		xxxxx ¹⁾
6,500		06500
6,501 - 6,999		xxxxx ¹⁾
7,000		07000
7,001 - 7,499		xxxxx ¹⁾
7,500		07500
7,501 - 7,999		xxxxx ¹⁾
8,000		08000
8,001 - 8,499		xxxxx ¹⁾
8,500		08500
8,501 - 8,999		xxxxx ¹⁾
9,000		09000
9,001 - 9,499		xxxxx ¹⁾
9,500		09500
9,501 - 9,999		xxxxx ¹⁾
10,000		10000
10,001 - 10,499		xxxxx ¹⁾
10,500		10500
10,501 - 10,999		xxxxx ¹⁾
11,000		11000
11,001 - 11,499		xxxxx ¹⁾
11,500		11500
11,501 - 11,999		xxxxx ¹⁾
12,000		12000
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾

81 032 ...

DCONWS mm	DCONWS inch	
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 15,499		xxxxx ¹⁾
15,500		15500
15,501 - 15,999		xxxxx ¹⁾
16,000		16000
16,001 - 16,499		xxxxx ¹⁾
16,500		16500
16,501 - 16,999		xxxxx ¹⁾
17,000		17000
17,001 - 17,499		xxxxx ¹⁾
17,500		17500
17,501 - 17,999		xxxxx ¹⁾
18,000		18000

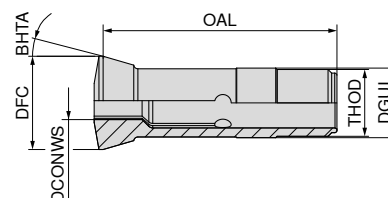
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 032 06789).

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
F 605	24	29,5	61	30	M24 x 1



Adjustable guide bush F 605

▲ With carbide insert



F 605

81 033 ...

DCONWS mm	DCONWS inch	
1,000		01000
1,001 - 1,499		xxxxx ¹⁾
1,500		01500
1,501 - 1,999		xxxxx ¹⁾
2,000		02000
2,001 - 2,499		xxxxx ¹⁾
2,500		02500
2,501 - 2,999		xxxxx ¹⁾
3,000		03000
3,001 - 3,174		xxxxx ¹⁾
3,175	1/8	03175
3,176 - 3,499		xxxxx ¹⁾
3,500		03500
3,501 - 3,999		xxxxx ¹⁾
4,000		04000
4,001 - 4,499		xxxxx ¹⁾
4,500		04500
4,501 - 4,762		xxxxx ¹⁾
4,763	3/16	04763
4,764 - 4,999		xxxxx ¹⁾
5,000		05000
5,001 - 5,499		xxxxx ¹⁾
5,500		05500
5,501 - 5,999		xxxxx ¹⁾
6,000		06000
6,001 - 6,349		xxxxx ¹⁾
6,350	1/4	06350
6,351 - 6,499		xxxxx ¹⁾
6,500		06500
6,501 - 6,999		xxxxx ¹⁾
7,000		07000
7,001 - 7,499		xxxxx ¹⁾
7,500		07500
7,501 - 7,999		xxxxx ¹⁾
8,000		08000
8,001 - 8,499		xxxxx ¹⁾
8,500		08500
8,501 - 8,999		xxxxx ¹⁾
9,000		09000
9,001 - 9,499		xxxxx ¹⁾
9,500		09500
9,501 - 9,999		xxxxx ¹⁾
10,000		10000
10,001 - 10,499		xxxxx ¹⁾
10,500		10500
10,501 - 10,999		xxxxx ¹⁾
11,000		11000
11,001 - 11,499		xxxxx ¹⁾
11,500		11500
11,501 - 11,999		xxxxx ¹⁾

81 033 ...

DCONWS mm	DCONWS inch	
12,000		12000
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 15,499		xxxxx ¹⁾
15,500		15500
15,501 - 15,999		xxxxx ¹⁾
16,000		16000
16,001 - 16,499		xxxxx ¹⁾
16,500		16500
16,501 - 16,999		xxxxx ¹⁾
17,000		17000

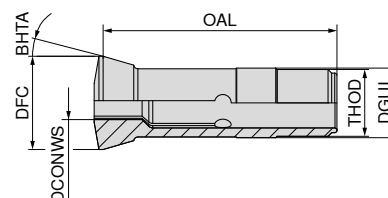
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 033 06789).

Adjustable guide bushes

Designation	DGWI mm	DFC mm	OAL mm	BHTA °	THOD
T 223	28	34	82	16	M25 x 1



Adjustable guide bush T 223

▲ With carbide insert



		T 223	T 223	T 223
		81 037 ...	81 038 ...	81 039 ...
DCONWS mm	DCONWS inch			
1,000		01000		
1,001 - 1,499		xxxxx ¹⁾		
1,500		01500		
1,501 - 1,999		xxxxx ¹⁾		
2,000		02000		
2,001 - 2,499		xxxxx ¹⁾		
2,500		02500		
2,501 - 2,999		xxxxx ¹⁾		
3,000		03000	03000	03000
3,001 - 3,499		xxxxx ¹⁾		
3,500		03500		
3,501 - 3,999		xxxxx ¹⁾		
4,000		04000	04000	04000
4,001 - 4,499		xxxxx ¹⁾		
4,500		04500		
4,501 - 4,999		xxxxx ¹⁾		
5,000		05000	05000	05000
5,001 - 5,499		xxxxx ¹⁾		
5,500		05500		
5,501 - 5,999		xxxxx ¹⁾		
6,000		06000	06000	06000
6,001 - 6,349		xxxxx ¹⁾		
6,350	1/4	06350	06350	06350
6,351 - 6,499		xxxxx ¹⁾		
6,500		06500		
6,501 - 6,999		xxxxx ¹⁾		
7,000		07000	07000	07000
7,001 - 7,499		xxxxx ¹⁾		
7,500		07500		
7,501 - 7,999		xxxxx ¹⁾		
7,938	5/16		07938	
8,000		08000	08000	08000
8,001 - 8,499		xxxxx ¹⁾		
8,500		08500		
8,501 - 8,999		xxxxx ¹⁾		
9,000		09000	09000	09000
9,001 - 9,499		xxxxx ¹⁾		
9,500		09500		
9,501 - 9,999		xxxxx ¹⁾		
9,525	3/8		09525	
10,000		10000	10000	10000
10,001 - 10,499		xxxxx ¹⁾		
10,500		10500		
10,501 - 10,999		xxxxx ¹⁾		
11,000		11000	11000	11000
11,001 - 11,499		xxxxx ¹⁾		
11,500		11500		
11,501 - 11,999		xxxxx ¹⁾		
12,000		12000	12000	12000
12,001 - 12,499		xxxxx ¹⁾		

		81 037 ...	81 038 ...	81 039 ...
DCONWS mm	DCONWS inch			
12,500		12500		
12,501 - 12,699		xxxxx ¹⁾		
12,700	1/2	12700	12700	
12,701 - 12,999		xxxxx ¹⁾		
13,000		13000	13000	13000
13,001 - 13,499		xxxxx ¹⁾		
13,500		13500		
13,501 - 13,999		xxxxx ¹⁾		
14,000		14000	14000	14000
14,001 - 14,499		xxxxx ¹⁾		
14,500		14500		
14,501 - 14,999		xxxxx ¹⁾		
15,000		15000	15000	
15,001 - 15,499		xxxxx ¹⁾		
15,500		15500		
15,501 - 15,999		xxxxx ¹⁾		
16,000		16000	16000	
16,001 - 16,499		xxxxx ¹⁾		
16,500		16500		
16,501 - 16,999		xxxxx ¹⁾		
17,000		17000	17000	
17,001 - 17,499		xxxxx ¹⁾		
17,500		17500		
17,501 - 17,999		xxxxx ¹⁾		
18,000		18000		
18,001 - 18,499		xxxxx ¹⁾		
18,500		18500		
18,501 - 18,999		xxxxx ¹⁾		
19,000		19000		
19,001 - 19,499		xxxxx ¹⁾		
19,500		19500		
19,501 - 19,999		xxxxx ¹⁾		
20,000		20000		
20,001 - 20,499		xxxxx ¹⁾		
20,500		20500		
20,501 - 20,999		xxxxx ¹⁾		
21,000		21000		
21,001 - 21,499		xxxxx ¹⁾		
21,500		21500		
21,501 - 21,999		xxxxx ¹⁾		
22,000		22000		

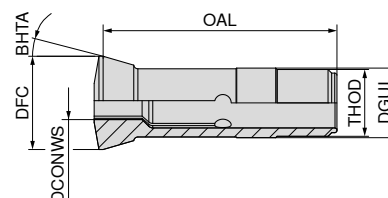
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 037 06789).

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
I 357	28	38	81	30	M25 x 1



Adjustable guide bush I 357

▲ With carbide insert



I 357

81 036 ...

DCONWS mm	DCONWS inch	
2,000		02000
2,001 - 2,499		xxxxx ¹⁾
2,500		02500
2,501 - 2,999		xxxxx ¹⁾
3,000		03000
3,001 - 3,174		xxxxx ¹⁾
3,175	1/8	03175
3,176 - 3,499		xxxxx ¹⁾
3,500		03500
3,501 - 3,999		xxxxx ¹⁾
4,000		04000
4,001 - 4,499		xxxxx ¹⁾
4,500		04500
4,501 - 4,999		xxxxx ¹⁾
5,000		05000
5,001 - 5,499		xxxxx ¹⁾
5,500		05500
5,501 - 5,999		xxxxx ¹⁾
6,000		06000
6,001 - 6,499		xxxxx ¹⁾
6,500		06500
6,501 - 6,999		xxxxx ¹⁾
7,000		07000
7,001 - 7,143		xxxxx ¹⁾
7,144	9/32	07144
7,145 - 7,499		xxxxx ¹⁾
7,500		07500
7,501 - 7,999		xxxxx ¹⁾
8,000		08000
8,001 - 8,499		xxxxx ¹⁾
8,500		08500
8,501 - 8,999		xxxxx ¹⁾
9,000		09000
9,001 - 9,499		xxxxx ¹⁾
9,500		09500
9,501 - 9,999		xxxxx ¹⁾
10,000		10000
10,001 - 10,499		xxxxx ¹⁾
10,500		10500
10,501 - 10,999		xxxxx ¹⁾
11,000		11000
11,001 - 11,499		xxxxx ¹⁾
11,500		11500
11,501 - 11,999		xxxxx ¹⁾
12,000		12000
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾

81 036 ...

DCONWS mm	DCONWS inch	
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 15,499		xxxxx ¹⁾
15,500		15500
15,501 - 15,999		xxxxx ¹⁾
16,000		16000
16,001 - 16,499		xxxxx ¹⁾
16,500		16500
16,501 - 16,999		xxxxx ¹⁾
17,000		17000
17,001 - 17,499		xxxxx ¹⁾
17,500		17500
17,501 - 17,999		xxxxx ¹⁾
18,000		18000
18,001 - 18,499		xxxxx ¹⁾
18,500		18500
18,501 - 18,999		xxxxx ¹⁾
19,000		19000
19,001 - 19,499		xxxxx ¹⁾
19,500		19500
19,501 - 19,999		xxxxx ¹⁾
20,000		20000
20,001 - 20,499		xxxxx ¹⁾
20,500		20500
20,501 - 20,999		xxxxx ¹⁾
21,000		21000
21,001 - 21,499		xxxxx ¹⁾
21,500		21500
21,501 - 21,999		xxxxx ¹⁾
22,000		22000

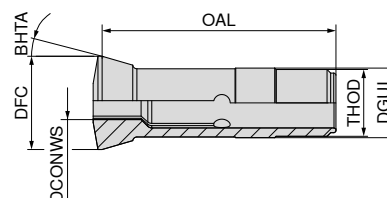
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 036 06789).

Adjustable guide bushes

Designation	DGUI mm	DFC mm	OAL mm	BHTA °	THOD
T 227	34	41	87,5	10	M34 x 1



Adjustable guide bush T 227

▲ With carbide insert



T 227

81 040 ...

DCONWS mm	DCONWS inch	
1,000		01000
1,001 - 1,499		xxxxx ¹⁾
1,500		01500
1,501 - 1,999		xxxxx ¹⁾
2,000		02000
2,001 - 2,499		xxxxx ¹⁾
2,500		02500
2,501 - 2,999		xxxxx ¹⁾
3,000		03000
3,001 - 3,499		xxxxx ¹⁾
3,500		03500
3,501 - 3,999		xxxxx ¹⁾
4,000		04000
4,001 - 4,499		xxxxx ¹⁾
4,500		04500
4,501 - 4,999		xxxxx ¹⁾
5,000		05000
5,001 - 5,499		xxxxx ¹⁾
5,500		05500
5,501 - 5,999		xxxxx ¹⁾
6,000		06000
6,001 - 6,349		xxxxx ¹⁾
6,350	1/4	06350
6,351 - 6,499		xxxxx ¹⁾
6,500		06500
6,501 - 6,999		xxxxx ¹⁾
7,000		07000
7,001 - 7,499		xxxxx ¹⁾
7,500		07500
7,501 - 7,999		xxxxx ¹⁾
8,000		08000
8,001 - 8,499		xxxxx ¹⁾
8,500		08500
8,501 - 8,999		xxxxx ¹⁾
9,000		09000
9,001 - 9,499		xxxxx ¹⁾
9,500		09500
9,501 - 9,999		xxxxx ¹⁾
10,000		10000
10,001 - 10,499		xxxxx ¹⁾
10,500		10500
10,501 - 10,999		xxxxx ¹⁾
11,000		11000
11,001 - 11,499		xxxxx ¹⁾
11,500		11500
11,501 - 11,999		xxxxx ¹⁾
12,000		12000
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾

81 040 ...

DCONWS mm	DCONWS inch	
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 15,499		xxxxx ¹⁾
15,500		15500
15,501 - 15,999		xxxxx ¹⁾
16,000		16000
16,001 - 16,499		xxxxx ¹⁾
16,500		16500
16,501 - 16,999		xxxxx ¹⁾
17,000		17000
17,001 - 17,499		xxxxx ¹⁾
17,500		17500
17,501 - 17,999		xxxxx ¹⁾
18,000		18000
18,001 - 18,499		xxxxx ¹⁾
18,500		18500
18,501 - 18,999		xxxxx ¹⁾
19,000		19000
19,001 - 19,499		xxxxx ¹⁾
19,500		19500
19,501 - 19,999		xxxxx ¹⁾
20,000		20000
20,001 - 20,499		xxxxx ¹⁾
20,500		20500
20,501 - 20,999		xxxxx ¹⁾
21,000		21000
21,001 - 21,499		xxxxx ¹⁾
21,500		21500
21,501 - 21,999		xxxxx ¹⁾
22,000		22000
22,001 - 22,499		xxxxx ¹⁾
22,500		22500
22,501 - 22,999		xxxxx ¹⁾
23,000		23000
23,001 - 23,499		xxxxx ¹⁾
23,500		23500
23,501 - 23,999		xxxxx ¹⁾
24,000		24000
24,001 - 24,499		xxxxx ¹⁾
24,500		24500
24,501 - 24,999		xxxxx ¹⁾
25,000		25000

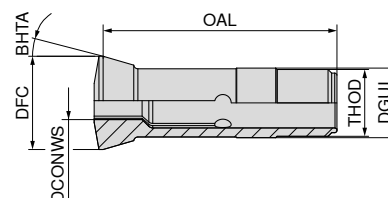
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 040 06789).

Adjustable guide bushes

Designation	DGWI mm	DFC mm	OAL mm	BHTA °	THOD
T 229	42	49	82	16	M40 x 1



Adjustable guide bush T 229

▲ With carbide insert



T 229

T 229

DCONWS mm	DCONWS inch	81 041 ...	81 042 ...
2,000		02000	
2,001 - 2,499		xxxxx ¹⁾	
2,500		02500	
2,501 - 2,999		xxxxx ¹⁾	
3,000		03000	
3,001 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,999		xxxxx ¹⁾	
5,000		05000	
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,999		xxxxx ¹⁾	
8,000		08000	
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	
11,001 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	
14,001 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	
15,001 - 15,499		xxxxx ¹⁾	
15,500		15500	
15,501 - 15,999		xxxxx ¹⁾	
16,000		16000	
16,001 - 16,499		xxxxx ¹⁾	

DCONWS mm	DCONWS inch	81 041 ...	81 042 ...
16,500		16500	
16,501 - 16,999		xxxxx ¹⁾	
17,000		17000	17000
17,001 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	18000
18,001 - 18,499		xxxxx ¹⁾	
18,500		18500	
18,501 - 18,999		xxxxx ¹⁾	
19,000		19000	19000
19,001 - 19,049		xxxxx ¹⁾	
19,050	3/4	19050	
19,051 - 19,499		xxxxx ¹⁾	
19,500		19500	
19,501 - 19,999		xxxxx ¹⁾	
20,000		20000	20000
20,001 - 20,499		xxxxx ¹⁾	
20,500		20500	
20,501 - 20,999		xxxxx ¹⁾	
21,000		21000	21000
21,001 - 21,499		xxxxx ¹⁾	
21,500		21500	
21,501 - 21,999		xxxxx ¹⁾	
22,000		22000	22000
22,001 - 22,224		xxxxx ¹⁾	
22,225	7/8	22225	
22,226 - 22,499		xxxxx ¹⁾	
22,500		22500	
22,501 - 22,999		xxxxx ¹⁾	
23,000		23000	23000
23,001 - 23,499		xxxxx ¹⁾	
23,500		23500	
23,501 - 23,999		xxxxx ¹⁾	
24,000		24000	24000
24,001 - 24,499		xxxxx ¹⁾	
24,500		24500	
24,501 - 24,999		xxxxx ¹⁾	
25,000		25000	25000
25,001 - 25,499		xxxxx ¹⁾	
25,500		25500	
25,501 - 25,999		xxxxx ¹⁾	
26,000		26000	26000
26,001 - 26,499		xxxxx ¹⁾	
26,500		26500	
26,501 - 26,999		xxxxx ¹⁾	
27,000		27000	27000
27,001 - 27,499		xxxxx ¹⁾	
27,500		27500	
27,501 - 27,999		xxxxx ¹⁾	
28,000		28000	
28,001 - 28,499		xxxxx ¹⁾	
28,500		28500	
28,501 - 28,999		xxxxx ¹⁾	
29,000		29000	
29,001 - 29,499		xxxxx ¹⁾	
29,500		29500	
29,501 - 29,999		xxxxx ¹⁾	
30,000		30000	
30,001 - 30,499		xxxxx ¹⁾	
30,500		30500	
30,501 - 30,999		xxxxx ¹⁾	
31,000		31000	
31,001 - 31,499		xxxxx ¹⁾	
31,500		31500	
31,501 - 31,999		xxxxx ¹⁾	
32,000		32000	

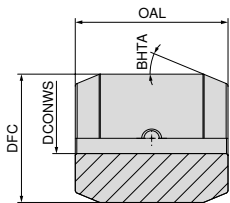
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For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 041 06789).

Flexible guide bushes

Designation	DFC mm	OAL mm	BHTA °
GBE 28	28	40	22,5



Guide bush GBE 28



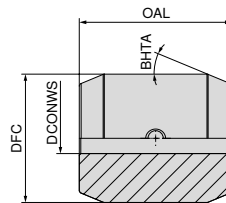
GBE 28

81 059 ...

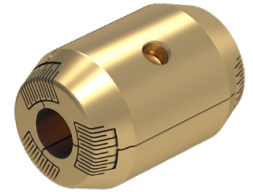
DCONWS mm	DCONWS inch	
3,000		03000
4,000		04000
5,000		05000
6,000		06000
6,350	1/4	06350
7,000		07000
8,000		08000
9,000		09000
9,525	3/8	09525
10,000		10000
11,000		11000
12,000		12000
12,700	1/2	12700
13,000		13000
14,000		14000
15,000		15000
16,000		16000
17,000		17000
18,000		18000
19,000		19000
19,050	3/4	19050
20,000		20000

Flexible guide bushes

Designation	DFC mm	OAL mm	BHTA °
GBE 42	42	50	22,5



Guide bush GBE 42



GBE 42

81 060 ...

DCONWS mm	DCONWS inch	
3,000		03000
4,000		04000
5,000		05000
6,000		06000
6,350	1/4	06350
7,000		07000
8,000		08000
9,000		09000
10,000		10000
11,000		11000
12,000		12000
12,700	1/2	12700
13,000		13000
14,000		14000
15,000		15000
15,875	5/8	15880
16,000		16000
17,000		17000
18,000		18000
19,000		19000
19,050	3/4	19050
20,000		20000
21,000		21000
22,000		22000
22,225	7/8	22225
23,000		23000
24,000		24000
25,000		25000
25,400	1/1	25400
26,000		26000
27,000		27000
28,000		28000
29,000		29000
30,000		30000
31,000		31000
32,000		32000

Clamping sleeves overview

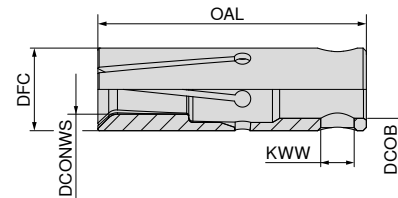
Norm	External diameter range in mm	Clamping diameter range	Profile	Version	Page No.
S 10 / 210 E	10	Ø 3,0 - 10,0			32
		SW 3,0 - 8,0			32
S 12 / 212 E	12	Ø 3,0 - 11,0			33
		SW 3,0 - 9,0			33
S 15 / 203 E	15	Ø 3,0 - 14,0			34
		SW 3,0 - 12,0			34
S 16	16	Ø 3,0 - 15,0			35
		SW 3,0 - 13,0			35
S 18 / 218 E	18	Ø 3,0 - 16,0			36
		SW 5,0 - 14,0			36
S 20 / 225 E	20	Ø 4,0 - 19,0			37
		SW 5,0 - 16,0			37
S 25 / 222 E	25	Ø 4,0 - 24,0			38
		SW 5,0 - 20,0			38
ST32 „Turbo“	32	Ø 5,0 - 32,0		Turbo	39
		SW 5,0 - 26,0			39



Other profile shapes and sizes and extended options available on request.

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB _{H7} mm	OAL mm
S 10 / 210 E	D 10	10	4	7	40



Clamping sleeve S 10 / 210 E

▲ Also suitable for all INDEX multi-spindle machines



DCONWS mm	DCONWS inch	S 10 / 210 E 81 043 ...	S 10 / 210 E 81 044 ...
3,000		03000	03000
3,001 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	04000
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,143		xxxxx ¹⁾	
7,144	9/32	07144	
7,145 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,937		xxxxx ¹⁾	
7,938	5/16	07938	
7,939 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,999		xxxxx ¹⁾	
10,000		10000	

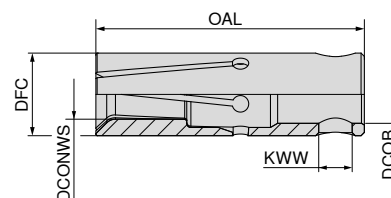
1) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 043 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB ^{H7} mm	OAL mm
S 12 / 212 E	D 12	12	4	8	40



Clamping sleeve S 12 / 212 E

▲ Also suitable for all INDEX multi-spindle machines



DCONWS mm	DCONWS inch	S 12 / 212 E	
		81 045 ...	81 046 ...
3,000		03000	03000
3,001 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	04000
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,762		xxxxx ¹⁾	
4,763	3/16	04763	
4,764 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	06350
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,937		xxxxx ¹⁾	
7,938	5/16	07938	
7,939 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	

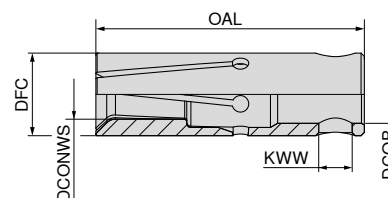
1) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 045 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB _{H7} mm	OAL mm
S 15 / 203 E	D 15	15	6	11	40



Clamping sleeve S 15 / 203 E

▲ Also suitable for all INDEX multi-spindle machines



S 15 / 203 E

S 15 / 203 E

81 047 ...

81 048 ...

DCONWS mm	DCONWS inch	81 047 ...	81 048 ...
3,000		03000	03000
3,001 - 3,174		xxxxx ¹⁾	
3,175	1/8	03175	
3,176 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	04000
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	06350
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,937		xxxxx ¹⁾	
7,938	5/16	07938	07938
7,939 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	10000
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	11000
11,001 - 11,112		xxxxx ¹⁾	
11,113	7/16	11113	
11,114 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	12000
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	

81 047 ...

81 048 ...

DCONWS mm	DCONWS inch	81 047 ...	81 048 ...
12,700	1/2	12700	
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	

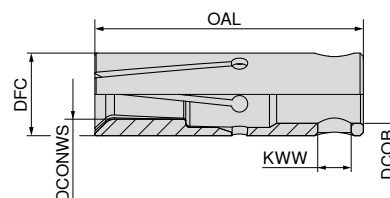
- 1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 047 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB _{H7} mm	OAL mm
S 16	D 16	16	6	11	40



Clamping sleeve S 16

▲ Also suitable for all INDEX multi-spindle machines



S 16

S 16

DCONWS mm	DCONWS inch	81 049 ...	81 050 ...
3,000		03000	03000
3,001 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	04000
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	10000
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	11000
11,001 - 11,112		xxxxx ¹⁾	
11,113	7/16	11113	
11,114 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	12000
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	

81 049 ... 81 050 ...

DCONWS mm	DCONWS inch	81 049 ...	81 050 ...
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	
14,001 - 14,287		xxxxx ¹⁾	
14,288	9/16	14288	
14,289 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	

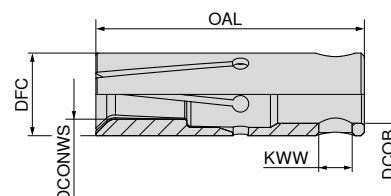
1) Not available ex stock, articles are non-returnable and cannot be exchanged / Delivery time 7 working days



For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 049 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB _{H7} mm	OAL mm
S 18 / 218 E	D 18	18	6	11	40



Clamping sleeve S 18 / 218 E

▲ Also suitable for all INDEX multi-spindle machines



S 18 / 218 E

S 18 / 218 E

81 051 ...

81 052 ...

DCONWS mm	DCONWS inch		
3,000		03000	
3,001 - 3,174		xxxxx ¹⁾	
3,175	1/8	03175	
3,176 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,762		xxxxx ¹⁾	
4,763	3/16	04763	
4,764 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,937		xxxxx ¹⁾	
7,938	5/16	07938	
7,939 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	10000
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	11000
11,001 - 11,112		xxxxx ¹⁾	
11,113	7/16	11113	
11,114 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	12000
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	12700
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	

81 051 ...

81 052 ...

DCONWS mm	DCONWS inch		
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	14000
14,001 - 14,287		xxxxx ¹⁾	
14,288	9/16	14288	
14,289 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	
15,001 - 15,499		xxxxx ¹⁾	
15,500		15500	
15,501 - 15,874		xxxxx ¹⁾	
15,875	5/8	15875	
15,876 - 15,999		xxxxx ¹⁾	
16,000		16000	

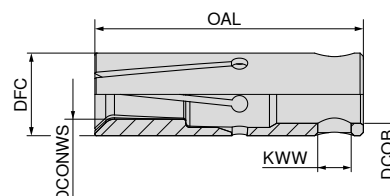
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 051 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB ^{H7} mm	OAL mm
S 20 / 225 E	D 20	20	8	14	65



Clamping sleeve S 20 / 225 E

▲ Also suitable for all INDEX multi-spindle machines



S 20 / 225 E

S 20 / 225 E

81 053 ...

81 054 ...

DCONWS mm	DCONWS inch		
4,000		04000	
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,762		xxxxx ¹⁾	
4,763	3/16	04763	
4,764 - 4,999		xxxxx ¹⁾	
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	06350
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,937		xxxxx ¹⁾	
7,938	5/16	07938	
7,939 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	10000
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	11000
11,001 - 11,112		xxxxx ¹⁾	
11,113	7/16	11113	
11,114 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	12000
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	12700
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	14000
14,001 - 14,499		xxxxx ¹⁾	
14,500		14500	

81 053 ...

81 054 ...

DCONWS mm	DCONWS inch		
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	15000
15,001 - 15,499		xxxxx ¹⁾	
15,500		15500	
15,501 - 15,999		xxxxx ¹⁾	
16,000		16000	16000
16,001 - 16,499		xxxxx ¹⁾	
16,500		16500	
16,501 - 16,999		xxxxx ¹⁾	
17,000		17000	
17,001 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	
18,001 - 18,499		xxxxx ¹⁾	
18,500		18500	
18,501 - 18,999		xxxxx ¹⁾	
19,000		19000	

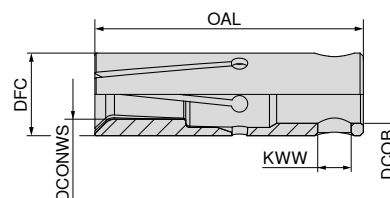
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 053 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	KWW mm	DCOB ^{H7} mm	OAL mm
S 25 / 222 E	D 25	25	8	20	65



Clamping sleeve S 25 / 222 E

▲ Also suitable for all INDEX multi-spindle machines



S 25 / 222 E

S 25 / 222 E

81 056 ...

81 055 ...

DCONWS mm	DCONWS inch		
4,000			04000
4,001 - 4,499			xxxxx ¹⁾
4,500			04500
4,501 - 4,999			xxxxx ¹⁾
5,000		05000	xxxxx ¹⁾
5,001 - 5,499			xxxxx ¹⁾
5,500			05500
5,501 - 5,999			xxxxx ¹⁾
6,000		06000	06000
6,001 - 6,349			xxxxx ¹⁾
6,350	1/4	06350	06350
6,351 - 6,499			xxxxx ¹⁾
6,500			06500
6,501 - 6,999			xxxxx ¹⁾
7,000		07000	xxxxx ¹⁾
7,001 - 7,499			xxxxx ¹⁾
7,500			07500
7,501 - 7,999			xxxxx ¹⁾
8,000		08000	08000
8,001 - 8,499			xxxxx ¹⁾
8,500			08500
8,501 - 8,999			xxxxx ¹⁾
9,000		09000	09000
9,001 - 9,499			xxxxx ¹⁾
9,500			09500
9,501 - 9,999			xxxxx ¹⁾
10,000		10000	10000
10,001 - 10,499			xxxxx ¹⁾
10,500			10500
10,501 - 10,999			xxxxx ¹⁾
11,000		11000	11000
11,001 - 11,499			xxxxx ¹⁾
11,500			11500
11,501 - 11,999			xxxxx ¹⁾
12,000		12000	12000
12,001 - 12,499			xxxxx ¹⁾
12,500			12500
12,501 - 12,699			xxxxx ¹⁾
12,700	1/2		12700
12,701 - 12,999			xxxxx ¹⁾
13,000		13000	13000
13,001 - 13,499			xxxxx ¹⁾
13,500			13500
13,501 - 13,999			xxxxx ¹⁾
14,000		14000	14000
14,001 - 14,499			xxxxx ¹⁾
14,500			14500
14,501 - 14,999			xxxxx ¹⁾
15,000		15000	15000
15,001 - 15,499			xxxxx ¹⁾
15,500			15500
15,501 - 15,999			xxxxx ¹⁾
16,000		16000	16000
16,001 - 16,499			xxxxx ¹⁾
16,500			16500

81 056 ...

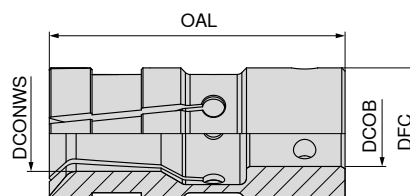
81 055 ...

DCONWS mm	DCONWS inch		
16,501 - 16,999			xxxxx ¹⁾
17,000		17000	17000
17,001 - 17,499			xxxxx ¹⁾
17,500			17500
17,501 - 17,999			xxxxx ¹⁾
18,000		18000	18000
18,001 - 18,499			xxxxx ¹⁾
18,500			18500
18,501 - 18,999			xxxxx ¹⁾
19,000		19000	19000
19,001 - 19,049			xxxxx ¹⁾
19,050	3/4		19050
19,051 - 19,499			xxxxx ¹⁾
19,500			19500
19,501 - 19,999			xxxxx ¹⁾
20,000		20000	20000
20,001 - 20,499			xxxxx ¹⁾
20,500			20500
20,501 - 20,999			xxxxx ¹⁾
21,000			21000
21,001 - 21,499			xxxxx ¹⁾
21,500			21500
21,501 - 21,999			xxxxx ¹⁾
22,000			22000
22,001 - 22,499			xxxxx ¹⁾
22,500			22500
22,501 - 22,999			xxxxx ¹⁾
23,000			23000
23,001 - 23,499			xxxxx ¹⁾
23,500			23500
23,501 - 23,999			xxxxx ¹⁾
24,000			24000

1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working daysFor xxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 056 06789).

Clamping sleeves

Designation	Pusher Ø	DFC mm	DCOB _{H7} mm	OAL mm
ST 32	D 32	32	20	90



Clamping sleeve ST 32 (turbo version)

▲ Also suitable for all INDEX multi-spindle machines



ST 32

ST 32

DCONWS mm	DCONWS inch	81 057 ...	81 058 ...
5,000		05000	05000
5,001 - 5,499		xxxxx ¹⁾	
5,500		05500	
5,501 - 5,999		xxxxx ¹⁾	
6,000		06000	06000
6,001 - 6,349		xxxxx ¹⁾	
6,350	1/4	06350	
6,351 - 6,499		xxxxx ¹⁾	
6,500		06500	
6,501 - 6,999		xxxxx ¹⁾	
7,000		07000	07000
7,001 - 7,499		xxxxx ¹⁾	
7,500		07500	
7,501 - 7,999		xxxxx ¹⁾	
8,000		08000	08000
8,001 - 8,499		xxxxx ¹⁾	
8,500		08500	
8,501 - 8,999		xxxxx ¹⁾	
9,000		09000	09000
9,001 - 9,499		xxxxx ¹⁾	
9,500		09500	
9,501 - 9,524		xxxxx ¹⁾	
9,525	3/8	09525	
9,526 - 9,999		xxxxx ¹⁾	
10,000		10000	10000
10,001 - 10,499		xxxxx ¹⁾	
10,500		10500	
10,501 - 10,999		xxxxx ¹⁾	
11,000		11000	11000
11,001 - 11,499		xxxxx ¹⁾	
11,500		11500	
11,501 - 11,999		xxxxx ¹⁾	
12,000		12000	12000
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	14000
14,001 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	15000
15,001 - 15,499		xxxxx ¹⁾	
15,500		15500	
15,501 - 15,874		xxxxx ¹⁾	
15,875	5/8	15875	
15,876 - 15,999		xxxxx ¹⁾	
16,000		16000	16000
16,001 - 16,499		xxxxx ¹⁾	
16,500		16500	
16,501 - 16,999		xxxxx ¹⁾	
17,000		17000	17000
17,001 - 17,462		xxxxx ¹⁾	
17,463	1 1/16	17463	
17,464 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	18000
18,001 - 18,499		xxxxx ¹⁾	

DCONWS mm	DCONWS inch	81 057 ...	81 058 ...
18,500		18500	
18,501 - 18,999		xxxxx ¹⁾	
19,000		19000	19000
19,001 - 19,049		xxxxx ¹⁾	
19,050	3/4	19050	
19,051 - 19,499		xxxxx ¹⁾	
19,500		19500	
19,501 - 19,999		xxxxx ¹⁾	
20,000		20000	20000
20,001 - 20,499		xxxxx ¹⁾	
20,500		20500	
20,501 - 20,999		xxxxx ¹⁾	
21,000		21000	21000
21,001 - 21,499		xxxxx ¹⁾	
21,500		21500	
21,501 - 21,999		xxxxx ¹⁾	
22,000		22000	22000
22,001 - 22,224		xxxxx ¹⁾	
22,225	7/8	22225	
22,226 - 22,499		xxxxx ¹⁾	
22,500		22500	
22,501 - 22,999		xxxxx ¹⁾	
23,000		23000	23000
23,001 - 23,499		xxxxx ¹⁾	
23,500		23500	
23,501 - 23,999		xxxxx ¹⁾	
24,000		24000	24000
24,001 - 24,499		xxxxx ¹⁾	
24,500		24500	
24,501 - 24,999		xxxxx ¹⁾	
25,000		25000	25000
25,001 - 25,399		xxxxx ¹⁾	
25,400	1/1	25400	
25,401 - 25,499		xxxxx ¹⁾	
25,500		25500	
25,501 - 25,999		xxxxx ¹⁾	
26,000		26000	26000
26,001 - 26,499		xxxxx ¹⁾	
26,500		26500	
26,501 - 26,999		xxxxx ¹⁾	
27,000		27000	
27,001 - 27,499		xxxxx ¹⁾	
27,500		27500	
27,501 - 27,999		xxxxx ¹⁾	
28,000		28000	
28,001 - 28,499		xxxxx ¹⁾	
28,500		28500	
28,501 - 28,574		xxxxx ¹⁾	
28,575	1 1/8	28575	
28,576 - 28,999		xxxxx ¹⁾	
29,000		29000	
29,001 - 29,499		xxxxx ¹⁾	
29,500		29500	
29,501 - 29,999		xxxxx ¹⁾	
30,000		30000	

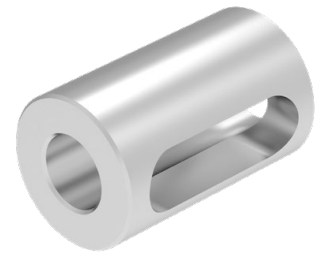
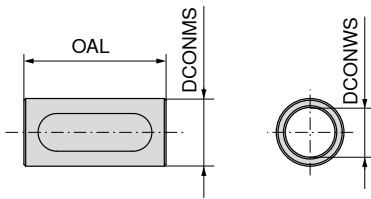
1) Not available ex stock, articles are non-returnable and cannot be exchanged /
Delivery time 7 working days



For xxxx please specify the required diameter when ordering
(e.g. Ø 6.789 – article number 81 057 06789).

Reduction sleeve

- ▲ for tools with cylindrical shank
- ▲ Radial run-out accuracy < 0.01 mm



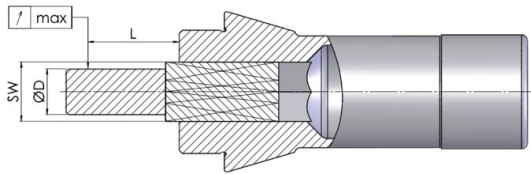
NEW

81 427 ...

DCONMS _{g6} mm	DCONMS _{g6} inch	DCONWS _{H7} mm	OAL mm	
15,875	5/8	12	30	15912
16,000		12	30	16012
19,050	3/4	8	40	19108
19,050	3/4	10	40	19110
19,050	3/4	12	40	19112
19,050	3/4	14	40	19114
19,050	3/4	16	40	19116
20,000		10	40	20010
20,000		12	40	20012
20,000		16	40	20016
22,000		12	40	22012
22,000		16	40	22016
25,000		12	40	25012
25,000		16	40	25016
25,000		20	40	25020
25,400	1	12	40	25412
25,400	1	16	40	25416
25,400	1	20	40	25420
33,000		20	40	33020
33,000		22	40	33022
33,000		25	40	33025

Technical Information

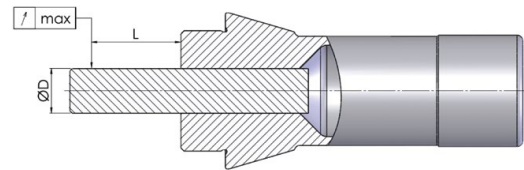
Runout accuracy



Run-out tolerances of collets with profiles					
Profile size		L mm	Standard norm	Norm	
from	up to			Standard	HP*
0,5	0,9	3	0,12	< 0,02	< 0,01
1	1,5	6	0,12	< 0,02	< 0,01
1,6	3	10	0,12	< 0,02	< 0,01
3,1	6	16	0,12	< 0,02	< 0,01
6,1	10	25	0,15	< 0,02	< 0,01
10,1	18	40	0,2	< 0,02	< 0,01
18,1	24	50	0,2	< 0,02	< 0,01
24,1	30	60	0,2	< 0,02	< 0,01
30,0		80	0,2	< 0,02	< 0,01

* Lower run-out tolerances with the HP (High Precision) option on request.

Our profile collets and guide bushes are micro-eroded with up to 7 slots. This ensures maximum quality with minimal run-out tolerances.



Run-out tolerances of round collets				
hole		L mm	Norm	
from	up to		Standard	HP*
0,5	0,9	3	< 0,01	< 0,008
1	1,5	6	< 0,01	< 0,008
1,6	3	10	< 0,015	< 0,008
3,1	6	16	< 0,015	< 0,008
6,1	10	25	< 0,015	< 0,008
10,1	18	40	< 0,02	< 0,01
18,1	24	50	< 0,02	< 0,01
24,1	30	60	< 0,02	< 0,01
30,0		80	< 0,03	< 0,015

* Lower run-out tolerances with the HP (High Precision) option on request.

Your wish is our command. That is why the WNT tolerances are far tighter than standard tolerances. The service lives of both the machine components and the tools are extended.

Special shapes

Due to the variety of different applications, it may be necessary to individually adapt some products to the processes. To do this, we offer you maximum quality according to your specifications. Get in touch using one of the options below and let us create your clamping device:

Technical Advice

Interested in our clamping devices?

Our Technical Sales Engineers would be happy to advise you. You can of course also talk to our in-house Technical Sales Engineers by calling our freefone number.

Enquiry Form

Should you wish to send us a request for specially adjusted solutions, you will find a detailed form in the download area on our homepage. Please fill it out carefully and send it via email or print it out and send via fax.

→ cuttingtools.ceratizit.com/int/en/download.html

Please email the completed form to global.techsupport@ceratizit.com.



Other profile shapes and sizes and extended options available on request.