





Drilling

HSS drilling

Solid carbide drilling

Reamers

1

Threading

HSS taps

Circular and Thread Milling

Thread turning

2

Turning

Turning Tools

EcoCut

Grooving Tools

Miniature turning tools

3

Milling

Solid Carbide milling cutters

4

Clamping

5

Material examples and
article no. index

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WNT MASTERTOOL
PERFORMANCE

Premium quality tools for high performance.

The premium quality tools from the **WNT Mastertool 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



→ 3-11

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

Guide bushes



→ 15-24

Ensures bar guidance in the main spindle

Stem collets



→ 12-14

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

Clamping sleeves



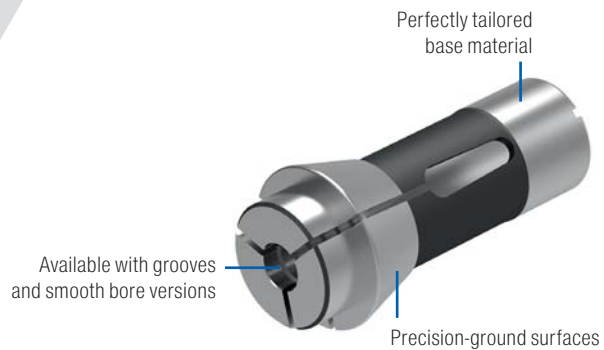
→ 25-32

Mounting for bar feeder magazines

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

Highlights

- Precision "Made in Germany"
Reliable quality
- Maximum radial run-out accuracies
Reduces vibrations
- Available with grooves
Significantly increases clamping forces
- All relevant surfaces are
"precision-ground"
Increases component accuracy
- Available in smooth bore version
No marking of the workpiece



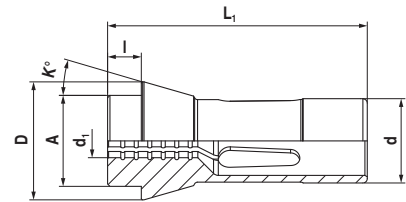
Collets overview

Norm	Clamping diameter range in mm	Profile	Version	Pages
116E	Ø 6,0 - 10,0	●	Grooved	4
	Ø 1,0 - 10,0		Smooth	4
120E	Ø 6,0 - 12,0	●	Grooved	4
	Ø 1,0 - 12,0		Smooth	4
F16	Ø 1,0 - 13,0	●	Grooved	5
	Ø 6,0 - 13,0		Smooth	5
136E	Ø 6,0 - 16,0	●	Grooved	6
	Ø 1,0 - 16,0		Smooth	6
138E	Ø 6,0 - 16,0	●	Grooved	6
	Ø 1,0 - 16,0		Smooth	6
145E	Ø 6,0 - 20,0	●	Grooved	7+8
	Ø 1,5 - 20,0		Smooth	7+8
F37	Ø 6,0 - 32,0	●	Grooved	9-11
	Ø 1,0 - 32,0		Smooth	9-11
120E	SW 2,0 - 11,0	⬡	Grooved*	4
138E	SW 2,0 - 14,0	⬡	Grooved*	6
145E	SW 2,0 - 19,0	⬡	Grooved*	7+8
F37	SW 3,0 - 27,0	⬡	Grooved*	9-11
145E	SW 2,0 - 15,0	■	Grooved*	7+8
F37	SW 3,0 - 23,0	■	Grooved*	9-11

* Grooved from SW 8

Collets

Designation	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°
116 E / F 13	13	19	13	6	64	16
120 E / F 15	15	21	15	6	64	16



116 E / F 13

120 E / F 15



● Grooved
116 E / F 13

● Smooth
116 E / F 13

d ₁ DCONWS mm	NEW	NEW
	Article no. 81 000 ...	Article no. 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



● Grooved
120 E / F 15

● Smooth
120 E / F 15

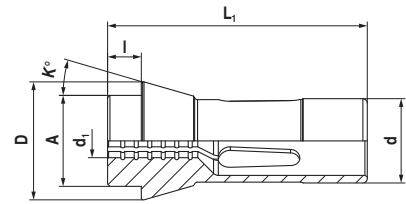
● Grooved
120 E / F 15

d ₁ DCONWS mm	d ₁ inch	NEW	NEW	NEW
		Article no. 81 003 ...	Article no. 81 005 ...	Article no. 81 031 ...
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	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L _T OAL mm	K°
F 16 / 1212 E	16	21	16	6	64	16



F 16 / 1212 E

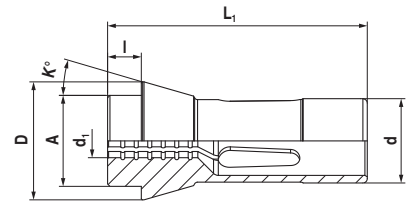


- Grooved
F 16 / 1212 E
- Smooth
F 16 / 1212 E

d ₁ DCONWS mm	NEW	NEW
	Article no. 81 019 ...	Article no. 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	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°
136 E / F 20-201	20	26	19	5	54	15
138 E / F20-87	20	28	21	7	67	16



136 E / F 20-201

138 E / F20-87



Grooved
136 E / F 20-201
 Smooth
136 E / F 20-201

Grooved
138 E / F20-87
 Smooth
138 E / F20-87
 Grooved
138 E / F20-87

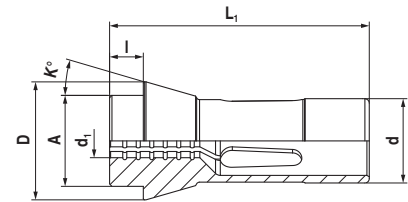
d ₁ DCONWS mm	NEW	
	Article no. 81 007 ...	Article no. 81 009 ...
1.0		01000
1.5		01500
2.0		02000
2.5		02500
3.0		03000
3.5		03500
4.0		04000
4.5		04500
5.0		05000
5.5		05500
6.0	06000	06000
6.5	06500	06500
7.0	07000	07000
7.5	07500	07500
8.0	08000	08000
8.5	08500	08500
9.0	09000	09000
9.5	09500	09500
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

d ₁ DCONWS mm	d ₁ inch	NEW		
		Article no. 81 011 ...	Article no. 81 013 ...	Article no. 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	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°
145 E / F 25	25	35	27	10	77	16



145 E / F 25



d ₁ DCONWS mm	d ₁ inch	<div style="display: flex; justify-content: space-around; font-size: small;"> ● Grooved 145 E / F 25 ● Smooth 145 E / F 25 ⬡ Grooved 145 E / F 25 ■ Grooved 145 E / F 25 </div>			
		NEW Article no. 81 015 ...	NEW Article no. 81 017 ...	NEW Article no. 81 027 ...	NEW Article no. 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

1) Without transverse grooves

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

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

145 E / F 25



d ₁ DCONWS mm	d ₁ inch	Grooved 145 E / F 25		Smooth 145 E / F 25		Grooved 145 E / F 25		Grooved 145 E / F 25	
		NEW Article no. 81 015 ...	xxxxx ²⁾	NEW Article no. 81 017 ...	xxxxx ²⁾	NEW Article no. 81 027 ...	xxxxx ²⁾	NEW Article no. 81 029 ...	xxxxx ²⁾
11,001 - 11,112			xxxxx ²⁾						
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				

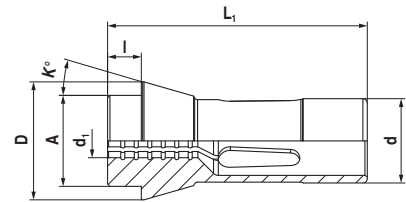
1) Without transverse grooves

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

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

Collets

Designation	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°
F 37 / 1536 E	37	47	40	10	92	16



F 37 / 1536 E



d ₁ DCONWS mm	d ₁ inch	<div style="display: flex; justify-content: space-around; font-size: small;"> ● Grooved F 37 / 1536 E ● Smooth F 37 / 1536 E ⬡ Grooved F 37 / 1536 E ■ Grooved F 37 / 1536 E </div>			
		NEW Article no. 81 023 ...	NEW Article no. 81 025 ...	NEW Article no. 81 028 ...	NEW Article no. 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		

1) Without transverse grooves

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

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



F 37 / 1536 E



d ₁ DCONWS mm	d ₁ inch	Grooved F 37 / 1536 E	Smooth F 37 / 1536 E	Grooved F 37 / 1536 E	Grooved F 37 / 1536 E
		NEW Article no. 81 023 ...	NEW Article no. 81 025 ...	NEW Article no. 81 028 ...	NEW Article no. 81 030 ...
10,501 - 10,999		xxxxx ²⁾			
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⁾			

1) Without transverse grooves

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

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

F 37 / 1536 E



d ₁ DCONWS mm	d ₁ inch	Grooved F 37 / 1536 E		Smooth F 37 / 1536 E		Grooved F 37 / 1536 E		Grooved F 37 / 1536 E	
		NEW Article no. 81 023 ...		NEW Article no. 81 025 ...		NEW Article no. 81 028 ...		NEW Article no. 81 030 ...	
22,500		22500		22500					
22,501 - 22,999		xxxxx ²⁾							
23,000		23000		23000		23000		23000	
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					

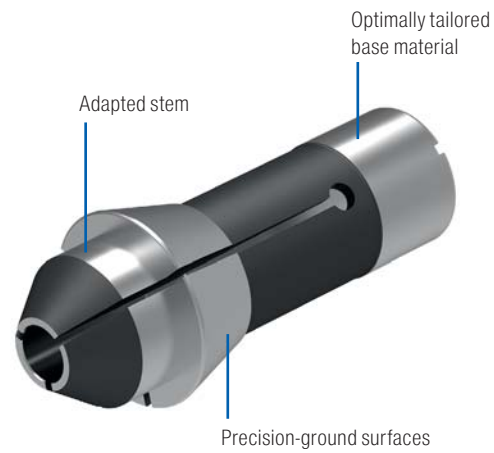
1) Without transverse grooves

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

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

Highlights

- Precision "Made in Germany"
Reliable quality
- Available in increments of 1/100
Maximum flexibility
- Smooth bore version
No marking of the workpiece
- All relevant surfaces are
"precision-ground"
Increases component accuracy
- Adapted stem
Maximum stability with
minimal risk of collisions

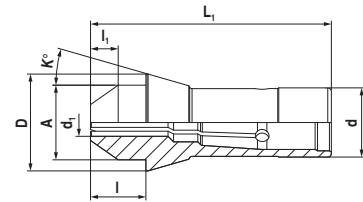


Stem collets overview

Norm	Clamping diameter range in mm	Profile	Version	Pages
116E	Ø 1,0 - 8,0	○	Smooth	13
120E	Ø 1,0 - 8,0	○	Smooth	13
F16	Ø 1,0 - 9,0	○	Smooth	13
138E	Ø 1,0 - 12,0	○	Smooth	13
136E	Ø 1,0 - 14,0	○	Smooth	14
145E	Ø 1,0 - 20,0	○	Smooth	14
F37	Ø 1,0 - 28,0	○	Smooth	14

Stem collets

Designation	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°	I ₁ 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
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



116 E / F 13



Smooth
116 E / F 13

NEW
Article no.
81 001 ...

d ₁ DCONWS mm	Article no.
1	01000
2	02000
3	03000
4	04000
5	05000
6	06000
7	07000

F 16 / 1212 E



Smooth
F 16 / 1212 E
I₁ = 7 mm

Smooth
F 16 / 1212 E
I₁ = 9 mm

NEW
Article no.
81 020 ...

NEW
Article no.
81 022 ...

d ₁ DCONWS mm	Article no.	Article no.
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

120 E / F 15



Smooth
120 E / F 15
I₁ = 7 mm

Smooth
120 E / F 15
I₁ = 9 mm

NEW
Article no.
81 004 ...

NEW
Article no.
81 006 ...

d ₁ DCONWS mm	Article no.	Article no.
1	01000	01000
2	02000	02000
3	03000	03000
4	04000	04000
5	05000	05000
6	06000	06000
7	07000	07000
8	08000	08000

138 E / F20-87



Smooth
138 E / F20-87
I₁ = 8 mm

Smooth
138 E / F20-87
I₁ = 13 mm

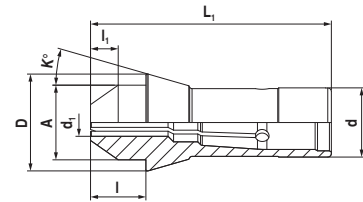
NEW
Article no.
81 012 ...

NEW
Article no.
81 014 ...

d ₁ DCONWS mm	Article no.	Article no.
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	d DGUI mm	D DFC mm	A DCLC mm	I LCLC mm	L ₁ OAL mm	K°	I ₁ 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
145 E / F 25	25	35	27	20	87	16	10
145 E / F 25	25	35	27	25	92	16	15
F 37 / 1536 E	37	47	40	25	107	16	15



136 E / F 20-201

F 37 / 1536 E



Smooth
136 E / F 20-201
I₁ = 8 mm

NEW
Article no.
81 008 ...

d ₁ DCONWS mm	Article no.	Article no.
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

145 E / F 25



Smooth
145 E / F 25
I₁ = 10 mm

NEW
Article no.
81 016 ...

d ₁ DCONWS mm	Article no.	Article no.
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



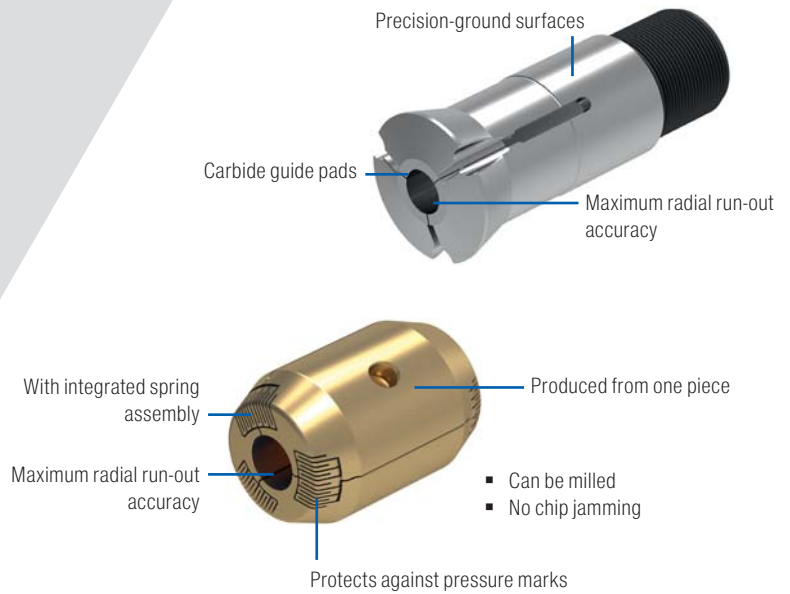
Smooth
F 37 / 1536 E

NEW
Article no.
81 024 ...

d ₁ DCONWS mm	Article no.
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

Highlights

- Precision "Made in Germany"
Reliable quality
- Industry standard with carbide pads
Longer service life
- Available in round, square or hexagonal versions
Adapted to the material
- All relevant surfaces are
"precision-ground"
Increases component accuracy
- Optimally adjustable according
to the bar
Ensures maximum component accuracies



Adjustable guide bushes overview

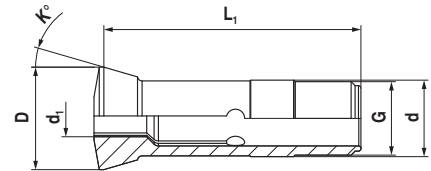
Norm	Guide diameter range in mm	Profile	Version	Pages
I353	Ø 1,0 - 10,5	○	Carbide insert	16
F853	Ø 1,0 - 13,0	○	Carbide insert	17
F391	Ø 1,0 - 18,0	○	Carbide insert	18
F605	Ø 1,0 - 17,0	○	Carbide insert	19
T223	Ø 1,0 - 22,0	○	Carbide insert	20
I357	Ø 2,0 - 22,0	○	Carbide insert	21
T227	Ø 1,0 - 25,0	○	Carbide insert	22
T229	Ø 2,0 - 32,0	○	Carbide insert	23
T223	SW 2,0 - 11,0	⬡	Carbide insert	20
T229	SW 2,0 - 14,0	⬡	Carbide insert	23
T223	SW 2,0 - 15,0	■	Carbide insert	20

Flexible GBE guide bushes overview

GBE 28	Ø 2,0 - 15,0	○	24
GBE 42	Ø 2,0 - 15,0	○	24

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
I 353	16	19.5	59	16	M14 x 1



I 353

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



I 353

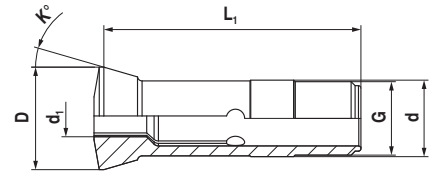
NEW

Article no.
81 035 ...

d ₁ DCONWS mm	Article no.
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	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
F 853	18	22	60	30	M16 x 1



F 853

- With carbide insert



F 853

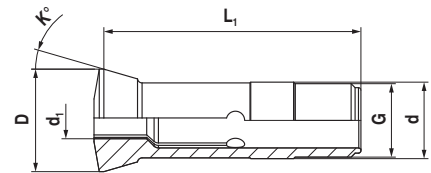
NEW

Article no.
81 034 ...

d ₁ DCONWS mm	Article no.
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	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
F 391	22	29	68	16	M22 x 1



F 391

- With carbide insert



F 391

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 032 ...
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

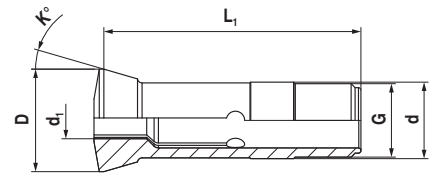
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 032 ...
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 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
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

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

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
F 605	24	29.5	61	30	M24 x 1



F 605

- With carbide insert



F 605

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 033 ...
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

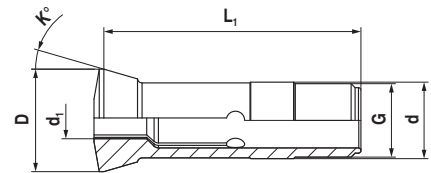
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 033 ...
11,001 - 11,499		xxxxx ¹⁾
11,500		11500
11,501 - 11,999		xxxxx ¹⁾
12,000		12000
12,001 - 12,499		xxxxx ¹⁾
12,500		12500
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 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⁾
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

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

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
T 223	28	34	82	16	M25 x 1



T 223

▪ With carbide insert



		T 223	T 223	T 223
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 037 ...	NEW Article no. 81 038 ...	NEW Article no. 81 039 ...
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
11,001 - 11,499		xxxxx ¹⁾		
11,500		11500		

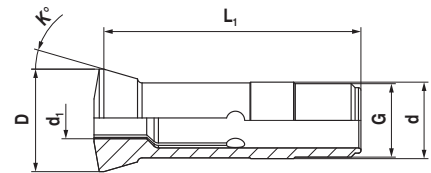
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 037 ...	NEW Article no. 81 038 ...	NEW Article no. 81 039 ...
11,501 - 11,999		xxxxx ¹⁾		
12,000		12000	12000	12000
12,001 - 12,499		xxxxx ¹⁾		
12,500		12500		
12,501 - 12,699		xxxxx ¹⁾		
12,700	1/2	12700	12700	
12,701 - 12,999		xxxxx ¹⁾		
13,000		13000	13000	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

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

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
I 357	28	38	81	30	M25 x 1



I 357

- With carbide insert



I 357

NEW
Article no.
81 036 ...

d ₁ DCONWS mm	d ₁ inch	Article no. 81 036 ...
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

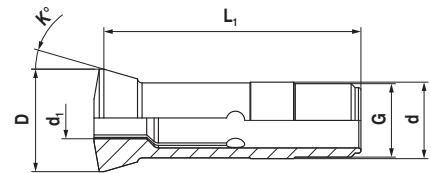
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 036 ...
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 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
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

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

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
T 227	34	41	87.5	10	M34 x 1



T 227

- With carbide insert



T 227

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 040 ...
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

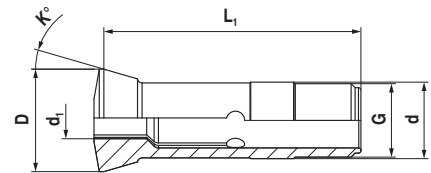
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 040 ...
12,501 - 12,699		xxxxx ¹⁾
12,700	1/2	12700
12,701 - 12,999		xxxxx ¹⁾
13,000		13000
13,001 - 13,499		xxxxx ¹⁾
13,500		13500
13,501 - 13,999		xxxxx ¹⁾
14,000		14000
14,001 - 14,499		xxxxx ¹⁾
14,500		14500
14,501 - 14,999		xxxxx ¹⁾
15,000		15000
15,001 - 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
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

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

Adjustable guide bushes

Designation	d DGUI mm	D DFC mm	L ₁ OAL mm	K°	G THOD
T 229	42	49	82	16	M40 x 1



T 229

▪ With carbide insert



T 229

T 229

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 041 ...	NEW Article no. 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	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 - 7,999		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 - 15,999		xxxxx ¹⁾	
16,000		16000	16000

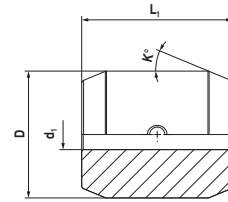
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 041 ...	NEW Article no. 81 042 ...
16,001 - 16,499		xxxxx ¹⁾	
16,500		16500	
16,501 - 16,999		xxxxx ¹⁾	
17,000		17000	17000
17,001 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	18000
18,001 - 18,499		xxxxx ¹⁾	
18,500		18500	
18,501 - 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	

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

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

Flexible guide bushes

Designation	D DFC mm	L ₁ OAL mm	K°
GBE 28	28	40	22.5
GBE 42	42	50	22.5



GBE 28



●
GBE 28

NEW		Article no.
d ₁ DCONWS mm	d ₁ inch	81 059 ...
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

GBE 42



●
GBE 42

NEW		Article no.
d ₁ DCONWS mm	d ₁ inch	81 060 ...
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

Highlights

- Precision "Made in Germany"
Reliable quality
- Available as Turbo & Standard
Maximum flexibility
- Available in round, square or hexagonal versions
Adapted to the material
- All relevant surfaces are
"precision-ground"
Increases component accuracy

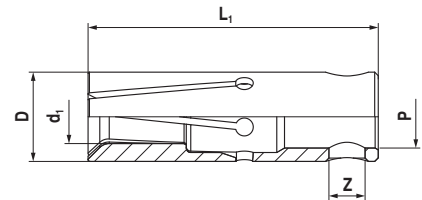


Clamping sleeves overview

Norm	External diameter range in mm	Clamping diameter range	Profile	Version	Pages
S10		Ø 3,0 - 10,0	●		26
S12		Ø 3,0 - 11,0	●		26
S15		Ø 3,0 - 14,0	●		27
S16		Ø 3,0 - 15,0	●		28
S18		Ø 3,0 - 16,0	●		29
S20		Ø 4,0 - 19,0	●		30
S25		Ø 4,0 - 24,0	●		31
ST32 „Turbo“	32	Ø 5,0 - 32,0	●	Turbo	32
S10		SW 3,0 - 8,0	⬡		26
S12		SW 3,0 - 9,0	⬡		26
S15		SW 3,0 - 12,0	⬡		27
S16		SW 3,0 - 13,0	⬡		28
S18		SW 5,0 - 14,0	⬡		29
S20		SW 5,0 - 16,0	⬡		30
S25		SW 5,0 - 20,0	⬡		31
ST32 „Turbo“	32	SW 5,0 - 26,0	⬡	Turbo	32

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 10 / 210 E	D 10	10	4	7	40
S 12 / 212 E	D 12	12	4	8	40



S 10 / 210 E

▪ Also suitable for all INDEX multi-spindle machines



S 10 / 210 E (circle icon) S 10 / 210 E (hexagon icon)

d ₁ DCONWS mm	d ₁ inch	NEW	NEW
		Article no. 81 043 ...	Article no. 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

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

S 12 / 212 E

▪ Also suitable for all INDEX multi-spindle machines



S 12 / 212 E (circle icon) S 12 / 212 E (hexagon icon)

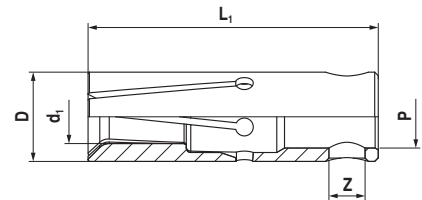
d ₁ DCONWS mm	d ₁ inch	NEW	NEW
		Article no. 81 045 ...	Article no. 81 046 ...
3,000		03000	03000
3,001 - 3,499		xxxxx ¹⁾	
3,500		03500	
3,501 - 3,999		xxxxx ¹⁾	
4,000		04000	04000
4,001 - 4,499		xxxxx ¹⁾	
4,500		04500	
4,501 - 4,762		xxxxx ¹⁾	
4,763	3/16	04763	
4,764 - 4,999		xxxxx ¹⁾	
5,000		05000	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

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

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 15 / 203 E	D 15	15	6	11	40



S 15 / 203 E

▪ Also suitable for all INDEX multi-spindle machines



S 15 / 203 E

S 15 / 203 E

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 047 ...	NEW Article no. 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

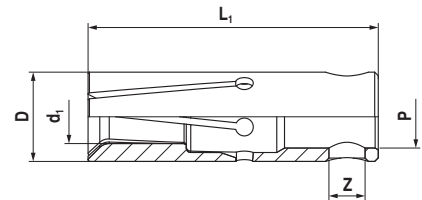
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 047 ...	NEW Article no. 81 048 ...
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	

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

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

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 16	D 16	16	6	11	40



S 16

▪ Also suitable for all INDEX multi-spindle machines



S 16

S 16

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 049 ...	NEW Article no. 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	

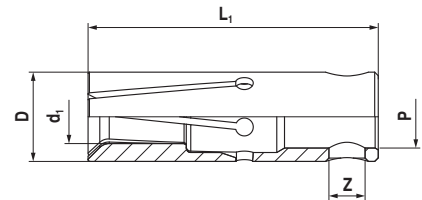
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 049 ...	NEW Article no. 81 050 ...
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	
14,001 - 14,287		xxxxx ¹⁾	
14,288	9/16	14288	
14,289 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 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

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

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 18 / 218 E	D 18	18	6	11	40



S 18 / 218 E

▪ Also suitable for all INDEX multi-spindle machines



S 18 / 218 E

S 18 / 218 E

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 051 ...	NEW Article no. 81 052 ...
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

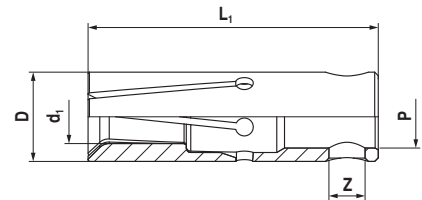
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 051 ...	NEW Article no. 81 052 ...
12,001 - 12,499		xxxxx ¹⁾	
12,500		12500	
12,501 - 12,699		xxxxx ¹⁾	
12,700	1/2	12700	12700
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	14000
14,001 - 14,287		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

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

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 20 / 225 E	D 20	20	8	14	65



S 20 / 225 E

▪ Also suitable for all INDEX multi-spindle machines



S 20 / 225 E

S 20 / 225 E

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 053 ...	NEW Article no. 81 054 ...
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

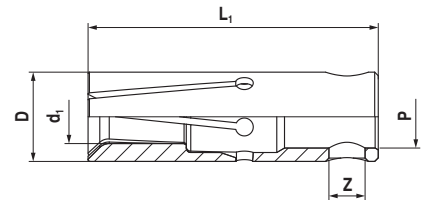
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 053 ...	NEW Article no. 81 054 ...
12,701 - 12,999		xxxxx ¹⁾	
13,000		13000	13000
13,001 - 13,499		xxxxx ¹⁾	
13,500		13500	
13,501 - 13,999		xxxxx ¹⁾	
14,000		14000	14000
14,001 - 14,499		xxxxx ¹⁾	
14,500		14500	
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	15000
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	
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

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

Clamping sleeves

Designation	Pusher Ø	D DFC mm	Z KWW mm	P _{H7} DCOB mm	L ₁ OAL mm
S 25 / 222 E	D 25	25	8	20	65



S 25 / 222 E

▪ Also suitable for all INDEX multi-spindle machines



S 25 / 222 E

S 25 / 222 E

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 055 ...	NEW Article no. 81 056 ...
4,000		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 - 7,999		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	

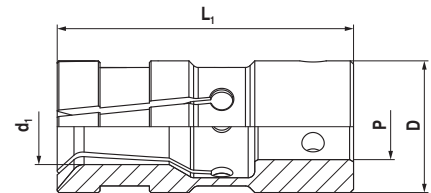
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 055 ...	NEW Article no. 81 056 ...
14,501 - 14,999		xxxxx ¹⁾	
15,000		15000	15000
15,001 - 15,499		xxxxx ¹⁾	
15,500		15500	
15,501 - 15,999		xxxxx ¹⁾	
16,000		16000	16000
16,001 - 16,499		xxxxx ¹⁾	
16,500		16500	
16,501 - 16,999		xxxxx ¹⁾	
17,000		17000	17000
17,001 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	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 days

i For xxxxx please specify the required diameter when ordering (e.g. Ø 6.789 – article number 81 055 06789).

Clamping sleeves - Turbo

Designation	Pusher Ø	D DFC mm	P _{H7} DCOB mm	L ₁ OAL mm
ST 32	D 32	32	20	90



ST 32

▪ Also suitable for all INDEX multi-spindle machines



ST 32 ST 32

d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 057 ...	NEW Article no. 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

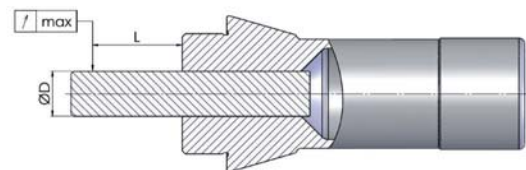
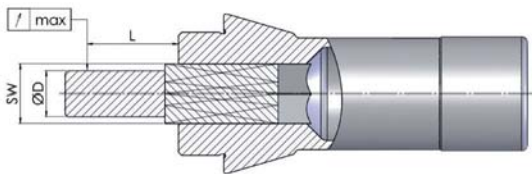
d ₁ DCONWS mm	d ₁ inch	NEW Article no. 81 057 ...	NEW Article no. 81 058 ...
17,001 - 17,462		xxxxx ¹⁾	
17,463	11/16	17463	
17,464 - 17,499		xxxxx ¹⁾	
17,500		17500	
17,501 - 17,999		xxxxx ¹⁾	
18,000		18000	18000
18,001 - 18,499		xxxxx ¹⁾	
18,500		18500	
18,501 - 18,999		xxxxx ¹⁾	
19,000		19000	19000
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

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

Technical Information

Runout accuracy



Run-out tolerances of collets with profiles					
Profile size		L mm	Standard norm	WNT standard	
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 WNT HP (High Precision) option on request.

Run-out tolerances of round collets				
hole		L mm	WNT standard	
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 WNT 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.

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

If you would like to submit an enquiry regarding bespoke solutions, you can find a detailed enquiry form in the download area of our website. Please fill in this form carefully and send it to us via email or fax.

→ www.wnt.com/uk/download/