





Drilling

HSS drilling

1

Solid carbide drilling

Reamers

Threading

HSS taps

2

Circular and Thread Milling

Thread turning

Turning

Turning Tools

3

EcoCut

Grooving Tools

Miniature turning tools

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



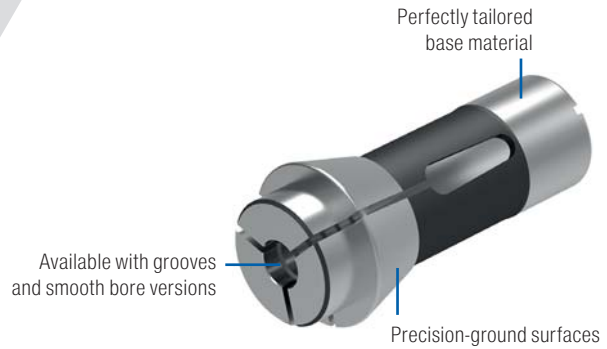
→ 25-32

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



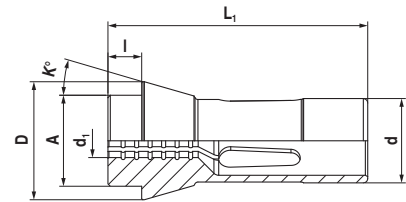
Collets overview

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

Grooved
120 E / F 15

Smooth
120 E / F 15

Grooved
120 E / F 15

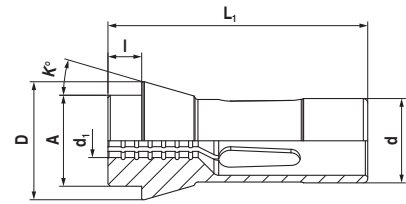
d ₁ DCONWS mm	NEW Y8 Article no. 81 000 ... £		NEW Y8 Article no. 81 002 ... £	
	1.0		224.00	01000
1.5		224.00	01500	
2.0		224.00	02000	
2.5		224.00	02500	
3.0		77.00	03000	
3.5		77.00	03500	
4.0		77.00	04000	
4.5		77.00	04500	
5.0		77.00	05000	
5.5		77.00	05500	
6.0	77.00	06000	110.00	06000
6.5	77.00	06500	110.00	06500
7.0	77.00	07000	110.00	07000
7.5	77.00	07500	110.00	07500
8.0	77.00	08000	110.00	08000
8.5	77.00	08500	110.00	08500
9.0	77.00	09000	110.00	09000
9.5	77.00	09500	110.00	09500
10.0	77.00	10000	110.00	10000

d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 003 ... £		NEW Y8 Article no. 81 005 ... £		NEW Y8 Article no. 81 031 ... £	
		1.000				156.00	01000
1.500				156.00	01500		
2.000				84.00	02000	298.00	02000 ¹⁾
2.500				84.00	02500		
3.000				52.00	03000	298.00	03000 ¹⁾
3.175	1/8					298.00	03175 ¹⁾
3.500				52.00	03500		
4.000				52.00	04000	158.00	04000 ¹⁾
4.500				52.00	04500		
5.000				52.00	05000	158.00	05000 ¹⁾
5.500				52.00	05500		
6.000		52.00	06000	84.00	06000	158.00	06000 ¹⁾
6.350	1/4					228.00	06350 ¹⁾
6.500		52.00	06500	84.00	06500		
7.000		52.00	07000	84.00	07000	158.00	07000 ¹⁾
7.500		52.00	07500	84.00	07500		
8.000		52.00	08000	84.00	08000	158.00	08000
8.500		52.00	08500	84.00	08500		
9.000		52.00	09000	84.00	09000	158.00	09000
9.500				84.00	09500		
10.000		52.00	10000	84.00	10000	190.00	10000
10.500		52.00	10500	84.00	10500		
11.000		52.00	11000	84.00	11000	332.00	11000
11.500		52.00	11500	84.00	11500		
12.000		52.00	12000	84.00	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

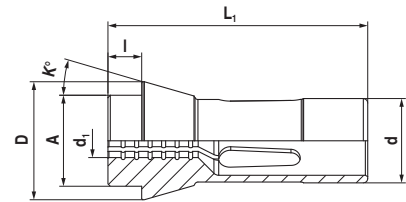


Grooved
F 16 / 1212 E
 Smooth
F 16 / 1212 E

d ₁ DCONWS mm	NEW Y8 Article no. 81 019 ... £		NEW Y8 Article no. 81 021 ... £	
	1.0			118.00
1.5			118.00	01500
2.0			118.00	02000
2.5			118.00	02500
3.0			77.00	03000
3.5			77.00	03500
4.0			77.00	04000
4.5			77.00	04500
5.0			77.00	05000
5.5			77.00	05500
6.0	77.00	06000	110.00	06000
6.5	77.00	06500	110.00	06500
7.0	77.00	07000	110.00	07000
7.5	77.00	07500	110.00	07500
8.0	77.00	08000	110.00	08000
8.5	77.00	08500	110.00	08500
9.0	77.00	09000	110.00	09000
9.5	77.00	09500	110.00	09500
10.0	77.00	10000	110.00	10000
10.5	77.00	10500	110.00	10500
11.0	77.00	11000	110.00	11000
11.5	77.00	11500	110.00	11500
12.0	77.00	12000	110.00	12000
12.5	77.00	12500	110.00	12500
13.0	77.00	13000	110.00	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



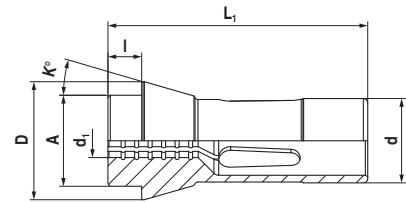
d ₁ DCONWS mm	Grooved 136 E / F 20-201		Smooth 136 E / F 20-201	
	NEW Y8 Article no. 81 007 ... £		NEW Y8 Article no. 81 009 ... £	
1.0			192.00	01000
1.5			192.00	01500
2.0			125.00	02000
2.5			125.00	02500
3.0			77.00	03000
3.5			77.00	03500
4.0			77.00	04000
4.5			77.00	04500
5.0			77.00	05000
5.5			77.00	05500
6.0	77.00	06000	110.00	06000
6.5	77.00	06500	110.00	06500
7.0	77.00	07000	110.00	07000
7.5	77.00	07500	110.00	07500
8.0	77.00	08000	110.00	08000
8.5	77.00	08500	110.00	08500
9.0	77.00	09000	110.00	09000
9.5	77.00	09500	110.00	09500
10.0	77.00	10000	110.00	10000
10.5	77.00	10500	110.00	10500
11.0	77.00	11000	110.00	11000
11.5	77.00	11500	110.00	11500
12.0	77.00	12000	110.00	12000
12.5	77.00	12500	110.00	12500
13.0	77.00	13000	110.00	13000
13.5	77.00	13500	110.00	13500
14.0	77.00	14000	110.00	14000
14.5	77.00	14500	110.00	14500
15.0	77.00	15000	110.00	15000
15.5	77.00	15500	110.00	15500
16.0	77.00	16000	110.00	16000

d ₁ DCONWS mm	d ₁ inch	Grooved 138 E / F20-87		Smooth 138 E / F20-87		Grooved 138 E / F20-87	
		NEW Y8 Article no. 81 011 ... £		NEW Y8 Article no. 81 013 ... £		NEW Y8 Article no. 81 026 ... £	
1.00				196.00	01000		
1.50				196.00	01500		
2.00				107.00	02000	394.00	02000 ¹⁾
2.50				107.00	02500		
3.00				77.00	03000	187.00	03000 ¹⁾
3.50				77.00	03500		
4.00				77.00	04000	187.00	04000 ¹⁾
4.50				77.00	04500		
5.00				77.00	05000	187.00	05000 ¹⁾
5.50				77.00	05500		
6.00		77.00	06000	110.00	06000	187.00	06000 ¹⁾
6.35	1/4					257.00	06350 ¹⁾
6.50		77.00	06500	110.00	06500		
7.00		77.00	07000	110.00	07000	148.00	07000 ¹⁾
7.50		77.00	07500	110.00	07500		
8.00		77.00	08000	110.00	08000	148.00	08000
8.50		77.00	08500	110.00	08500		
9.00		77.00	09000	110.00	09000	148.00	09000
9.50		77.00	09500	110.00	09500		
10.00		77.00	10000	110.00	10000	148.00	10000
10.50		77.00	10500	110.00	10500		
11.00		77.00	11000	110.00	11000	148.00	11000
11.50		77.00	11500	110.00	11500		
12.00		77.00	12000	110.00	12000	148.00	12000
12.50		77.00	12500	110.00	12500		
13.00		77.00	13000	110.00	13000	148.00	13000
13.50		77.00	13500	110.00	13500		
14.00		77.00	14000	110.00	14000	148.00	14000
14.50		77.00	14500	110.00	14500		
15.00		77.00	15000	110.00	15000		
15.50		77.00	15500	110.00	15500		
16.00		77.00	16000	110.00	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	Grooved 145 E / F 25		Smooth 145 E / F 25		Grooved 145 E / F 25		Grooved 145 E / F 25	
		NEW Y8 Article no. 81 015 ... £		NEW Y8 Article no. 81 017 ... £		NEW Y8 Article no. 81 027 ... £		NEW Y8 Article no. 81 029 ... £	
1,500				129.00	01500				
1,501 - 1,999				151.00	xxxxx ²⁾				
2,000				129.00	02000	432.00	02000 ¹⁾	546.00	02000 ¹⁾
2,001 - 2,499				151.00	xxxxx ²⁾				
2,500				129.00	02500				
2,501 - 2,999				151.00	xxxxx ²⁾				
3,000				92.00	03000	332.00	03000 ¹⁾	272.00	03000 ¹⁾
3,001 - 3,499				151.00	xxxxx ²⁾				
3,500				92.00	03500				
3,501 - 3,999				151.00	xxxxx ²⁾				
4,000				92.00	04000	257.00	04000 ¹⁾	196.00	04000 ¹⁾
4,001 - 4,499				151.00	xxxxx ²⁾				
4,500				92.00	04500				
4,501 - 4,999				151.00	xxxxx ²⁾				
5,000				92.00	05000	196.00	05000 ¹⁾	196.00	05000 ¹⁾
5,001 - 5,499				151.00	xxxxx ²⁾				
5,500				92.00	05500				
5,501 - 5,999				151.00	xxxxx ²⁾				
6,000				92.00	06000	125.00	06000	196.00	06000 ¹⁾
6,001 - 6,349				151.00	xxxxx ²⁾				
6,350	1/4			151.00	06350	125.00	06350	265.00	06350 ¹⁾
6,351 - 6,499				151.00	xxxxx ²⁾				
6,500				92.00	06500	125.00	06500		
6,501 - 6,999				151.00	xxxxx ²⁾				
7,000				92.00	07000	125.00	07000	152.00	07000 ¹⁾
7,001 - 7,499				151.00	xxxxx ²⁾			152.00	07000 ¹⁾
7,500				92.00	07500	125.00	07500		
7,501 - 7,937				151.00	xxxxx ²⁾				
7,938	5/16			151.00	07938	125.00	07938		
7,939 - 7,999				151.00	xxxxx ²⁾				
8,000				92.00	08000	125.00	08000	152.00	08000
8,001 - 8,499				151.00	xxxxx ²⁾				
8,500				92.00	08500	125.00	08500		
8,501 - 8,999				151.00	xxxxx ²⁾				
9,000				92.00	09000	125.00	09000	152.00	09000
9,001 - 9,499				151.00	xxxxx ²⁾				
9,500				92.00	09500	125.00	09500		
9,501 - 9,999				151.00	xxxxx ²⁾				
10,000				92.00	10000	125.00	10000	152.00	10000
10,001 - 10,499				151.00	xxxxx ²⁾				
10,500				92.00	10500	125.00	10500		
10,501 - 10,999				151.00	xxxxx ²⁾				
11,000				92.00	11000	125.00	11000	152.00	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 Y8 Article no. 81 015 ...	£	NEW Y8 Article no. 81 017 ...	£	NEW Y8 Article no. 81 027 ...	£	NEW Y8 Article no. 81 029 ...	£
11,001 - 11,112		151.00	xxxxx ²⁾						
11,113	7/16	151.00	11113	125.00	11113				
11,114 - 11,499		151.00	xxxxx ²⁾						
11,500		92.00	11500	125.00	11500				
11,501 - 11,999		151.00	xxxxx ²⁾						
12,000		92.00	12000	125.00	12000	152.00	12000	152.00	12000
12,001 - 12,499		151.00	xxxxx ²⁾						
12,500		92.00	12500	125.00	12500				
12,501 - 12,699		151.00	xxxxx ²⁾						
12,700	1/2	151.00	12700	125.00	12700	152.00	12700		
12,701 - 12,999		151.00	xxxxx ²⁾						
13,000		92.00	13000	125.00	13000	152.00	13000	152.00	13000
13,001 - 13,499		151.00	xxxxx ²⁾						
13,500		92.00	13500	125.00	13500				
13,501 - 13,999		151.00	xxxxx ²⁾						
14,000		92.00	14000	125.00	14000	152.00	14000	152.00	14000
14,001 - 14,499		151.00	xxxxx ²⁾						
14,500		92.00	14500	125.00	14500				
14,501 - 14,999		151.00	xxxxx ²⁾						
15,000		92.00	15000	125.00	15000	152.00	15000	272.00	15000
15,001 - 15,499		151.00	xxxxx ²⁾						
15,500		92.00	15500	125.00	15500				
15,501 - 15,999		151.00	xxxxx ²⁾						
16,000		92.00	16000	125.00	16000	152.00	16000		
16,001 - 16,499		151.00	xxxxx ²⁾						
16,500		92.00	16500	125.00	16500				
16,501 - 16,999		151.00	xxxxx ²⁾						
17,000		92.00	17000	125.00	17000	152.00	17000		
17,001 - 17,499		151.00	xxxxx ²⁾						
17,500		92.00	17500	125.00	17500				
17,501 - 17,999		151.00	xxxxx ²⁾						
18,000		92.00	18000	125.00	18000	332.00	18000		
18,001 - 18,499		151.00	xxxxx ²⁾						
18,500		92.00	18500	125.00	18500				
18,501 - 18,999		151.00	xxxxx ²⁾						
19,000		92.00	19000	125.00	19000	332.00	19000		
19,001 - 19,049		151.00	xxxxx ²⁾						
19,050	3/4	151.00	19050						
19,051 - 19,499		151.00	xxxxx ²⁾						
19,500		92.00	19500	125.00	19500				
19,501 - 19,999		151.00	xxxxx ²⁾						
20,000		92.00	20000	125.00	20000				

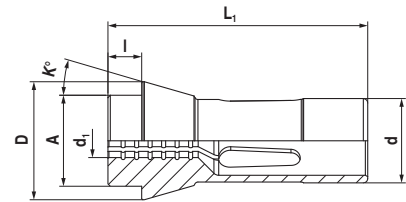
1) Without transverse grooves

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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	Grooved F 37 / 1536 E		Smooth F 37 / 1536 E		Grooved F 37 / 1536 E		Grooved F 37 / 1536 E	
		NEW Y8 Article no. 81 023 ... £		NEW Y8 Article no. 81 025 ... £		NEW Y8 Article no. 81 028 ... £		NEW Y8 Article no. 81 030 ... £	
1,000				179.00	01000				
1,001 - 1,499				189.00	xxxxx ²⁾				
1,500				179.00	01500				
1,501 - 1,999				189.00	xxxxx ²⁾				
2,000				179.00	02000				
2,001 - 2,499				189.00	xxxxx ²⁾				
2,500				179.00	02500				
2,501 - 2,999				189.00	xxxxx ²⁾				
3,000				129.00	03000	415.00	03000 ¹⁾	332.00	03000 ¹⁾
3,001 - 3,499				189.00	xxxxx ²⁾				
3,500				129.00	03500				
3,501 - 3,999				189.00	xxxxx ²⁾				
4,000				129.00	04000	213.00	04000 ¹⁾	332.00	04000 ¹⁾
4,001 - 4,499				189.00	xxxxx ²⁾				
4,500				129.00	04500				
4,501 - 4,999				189.00	xxxxx ²⁾				
5,000				129.00	05000	213.00	05000 ¹⁾	332.00	05000 ¹⁾
5,001 - 5,499				189.00	xxxxx ²⁾				
5,500				129.00	05500				
5,501 - 5,999				189.00	xxxxx ²⁾				
6,000				129.00	06000	213.00	06000 ¹⁾	332.00	06000 ¹⁾
6,001 - 6,349				189.00	xxxxx ²⁾				
6,350	1/4			189.00	06350	281.00	06350 ¹⁾	332.00	06350 ¹⁾
6,351 - 6,499				189.00	xxxxx ²⁾				
6,500				129.00	06500	162.00	06500		
6,501 - 6,999				189.00	xxxxx ²⁾				
7,000				129.00	07000	162.00	07000	213.00	07000 ¹⁾
7,001 - 7,499				189.00	xxxxx ²⁾			332.00	07000 ¹⁾
7,500				129.00	07500	162.00	07500		
7,501 - 7,999				189.00	xxxxx ²⁾				
8,000				129.00	08000	162.00	08000	213.00	08000
8,001 - 8,499				189.00	xxxxx ²⁾			332.00	08000
8,500				129.00	08500	162.00	08500		
8,501 - 8,999				189.00	xxxxx ²⁾				
9,000				129.00	09000	162.00	09000	213.00	09000
9,001 - 9,499				189.00	xxxxx ²⁾			332.00	09000
9,500				129.00	09500	162.00	09500		
9,501 - 9,524				189.00	xxxxx ²⁾				
9,525	3/8			189.00	09525				
9,526 - 9,999				189.00	xxxxx ²⁾				
10,000				129.00	10000	162.00	10000	213.00	10000
10,001 - 10,499				189.00	xxxxx ²⁾			332.00	10000
10,500				129.00	10500	162.00	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 ...	Y8	NEW Article no. 81 025 ...	Y8	NEW Article no. 81 028 ...	Y8	NEW Article no. 81 030 ...	Y8
		£		£		£		£	
10,501 - 10,999		189.00	xxxxx ²⁾						
11,000		129.00	11000	162.00	11000	213.00	11000	332.00	11000
11,001 - 11,499		189.00	xxxxx ²⁾						
11,500		129.00	11500	162.00	11500				
11,501 - 11,999		189.00	xxxxx ²⁾						
12,000		129.00	12000	162.00	12000	213.00	12000	332.00	12000
12,001 - 12,499		189.00	xxxxx ²⁾						
12,500		129.00	12500	162.00	12500				
12,501 - 12,699		189.00	xxxxx ²⁾						
12,700	1/2	189.00	12700	162.00	12700	281.00	12700	332.00	12700
12,701 - 12,999		189.00	xxxxx ²⁾						
13,000		129.00	13000	162.00	13000	213.00	13000	332.00	13000
13,001 - 13,499		189.00	xxxxx ²⁾						
13,500		129.00	13500	162.00	13500				
13,501 - 13,999		189.00	xxxxx ²⁾						
14,000		129.00	14000	162.00	14000	213.00	14000	332.00	14000
14,001 - 14,499		189.00	xxxxx ²⁾						
14,500		129.00	14500	162.00	14500				
14,501 - 14,999		189.00	xxxxx ²⁾						
15,000		129.00	15000	162.00	15000	213.00	15000	332.00	15000
15,001 - 15,499		189.00	xxxxx ²⁾						
15,500		129.00	15500	162.00	15500				
15,501 - 15,999		189.00	xxxxx ²⁾						
16,000		129.00	16000	162.00	16000	213.00	16000	332.00	16000
16,001 - 16,499		189.00	xxxxx ²⁾						
16,500		129.00	16500	162.00	16500				
16,501 - 16,999		189.00	xxxxx ²⁾						
17,000		129.00	17000	162.00	17000	213.00	17000	332.00	17000
17,001 - 17,499		189.00	xxxxx ²⁾						
17,500		129.00	17500	162.00	17500				
17,501 - 17,999		189.00	xxxxx ²⁾						
18,000		129.00	18000	162.00	18000	213.00	18000	332.00	18000
18,001 - 18,499		189.00	xxxxx ²⁾						
18,500		129.00	18500	162.00	18500				
18,501 - 18,999		189.00	xxxxx ²⁾						
19,000		129.00	19000	162.00	19000	213.00	19000	332.00	19000
19,001 - 19,049		189.00	xxxxx ²⁾						
19,050	3/4	189.00	19050	162.00	19050				
19,051 - 19,499		189.00	xxxxx ²⁾						
19,500		129.00	19500	162.00	19500				
19,501 - 19,999		189.00	xxxxx ²⁾						
20,000		129.00	20000	162.00	20000	213.00	20000	332.00	20000
20,001 - 20,499		189.00	xxxxx ²⁾						
20,500		129.00	20500	162.00	20500				
20,501 - 20,999		189.00	xxxxx ²⁾						
21,000		129.00	21000	162.00	21000	213.00	21000	332.00	21000
21,001 - 21,499		189.00	xxxxx ²⁾						
21,500		129.00	21500	162.00	21500				
21,501 - 21,999		189.00	xxxxx ²⁾						
22,000		129.00	22000	162.00	22000	213.00	22000	332.00	22000
22,001 - 22,224		189.00	xxxxx ²⁾						
22,225	7/8	189.00	22225						
22,226 - 22,499		189.00	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	Y8	NEW	Y8	NEW	Y8	NEW	Y8
		Article no. 81 023 ...		Article no. 81 025 ...		Article no. 81 028 ...		Article no. 81 030 ...	
		£		£		£		£	
22,500		162.00	22500	129.00	22500				
22,501 - 22,999		189.00	xxxxx ²⁾						
23,000		162.00	23000	129.00	23000	213.00	23000	332.00	23000
23,001 - 23,499		189.00	xxxxx ²⁾						
23,500		162.00	23500	129.00	23500				
23,501 - 23,999		189.00	xxxxx ²⁾						
24,000		162.00	24000	129.00	24000	213.00	24000		
24,001 - 24,499		189.00	xxxxx ²⁾						
24,500		162.00	24500	129.00	24500				
24,501 - 24,999		189.00	xxxxx ²⁾						
25,000		129.00	25000	162.00	25000	213.00	25000		
25,001 - 25,499		189.00	xxxxx ²⁾						
25,400	1/1					281.00	25400		
25,500		129.00	25500	162.00	25500				
25,501 - 25,999		189.00	xxxxx ²⁾						
26,000		129.00	26000	162.00	26000	213.00	26000		
26,001 - 26,499		189.00	xxxxx ²⁾						
26,500		129.00	26500	162.00	26500				
26,501 - 26,999		189.00	xxxxx ²⁾						
27,000		129.00	27000	162.00	27000	213.00	27000		
27,001 - 27,499		189.00	xxxxx ²⁾						
27,500		129.00	27500	162.00	27500				
27,501 - 27,999		189.00	xxxxx ²⁾						
28,000		129.00	28000	162.00	28000				
28,001 - 28,499		189.00	xxxxx ²⁾						
28,500		129.00	28500	162.00	28500				
28,501 - 28,999		189.00	xxxxx ²⁾						
29,000		129.00	29000	162.00	29000				
29,001 - 29,499		189.00	xxxxx ²⁾						
29,500		129.00	29500	162.00	29500				
29,501 - 29,999		189.00	xxxxx ²⁾						
30,000		129.00	30000	162.00	30000				
30,001 - 30,499		189.00	xxxxx ²⁾						
30,500		129.00	30500	162.00	30500				
30,501 - 30,999		189.00	xxxxx ²⁾						
31,000		129.00	31000	162.00	31000				
31,001 - 31,499		189.00	xxxxx ²⁾						
31,500		129.00	31500	162.00	31500				
31,501 - 31,999		189.00	xxxxx ²⁾						
32,000		129.00	32000	162.00	32000				

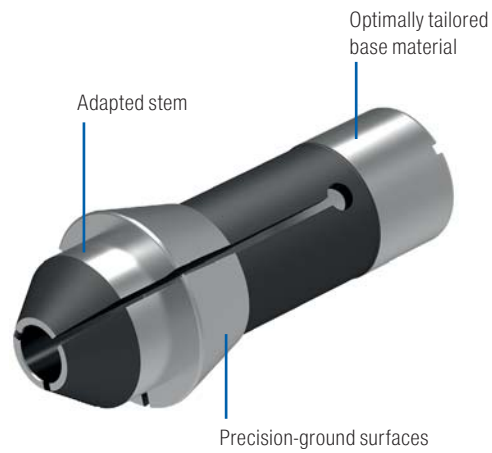
1) Without transverse grooves

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

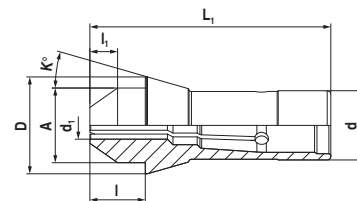


Stem collets overview

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 Y8

Article no.
81 001 ...

d ₁ DCONWS mm	£	Article no.
1	391.00	01000
2	391.00	02000
3	355.00	03000
4	355.00	04000
5	355.00	05000
6	355.00	06000
7	355.00	07000

F 16 / 1212 E



Smooth
F 16 / 1212 E
I₁ = 7 mm

NEW Y8

Article no.
81 020 ...

Smooth
F 16 / 1212 E
I₁ = 9 mm

NEW Y8

Article no.
81 022 ...

d ₁ DCONWS mm	£	Article no.	£	Article no.
1	393.00	01000	393.00	01000
2	393.00	02000	393.00	02000
3	360.00	03000	360.00	03000
4	360.00	04000	360.00	04000
5	360.00	05000	469.00	05000
6	360.00	06000	469.00	06000
7	360.00	07000	469.00	07000
8	360.00	08000	360.00	08000
9	360.00	09000	469.00	09000

120 E / F 15



Smooth
120 E / F 15
I₁ = 7 mm

NEW Y8

Article no.
81 004 ...

Smooth
120 E / F 15
I₁ = 9 mm

NEW Y8

Article no.
81 006 ...

d ₁ DCONWS mm	£	Article no.	£	Article no.
1	393.00	01000	393.00	01000
2	393.00	02000	393.00	02000
3	360.00	03000	360.00	03000
4	360.00	04000	360.00	04000
5	360.00	05000	360.00	05000
6	360.00	06000	360.00	06000
7	360.00	07000	360.00	07000
8	360.00	08000	360.00	08000

138 E / F20-87



Smooth
138 E / F20-87
I₁ = 8 mm

NEW Y8

Article no.
81 012 ...

Smooth
138 E / F20-87
I₁ = 13 mm

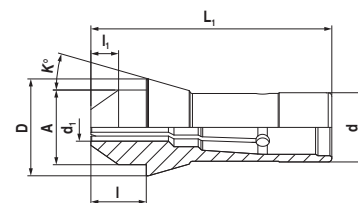
NEW Y8

Article no.
81 014 ...

d ₁ DCONWS mm	£	Article no.	£	Article no.
1	471.00	01000	471.00	01000
2	471.00	02000	471.00	02000
3	439.00	03000	439.00	03000
4	439.00	04000	439.00	04000
5	439.00	05000	439.00	05000
6	439.00	06000	439.00	06000
7	439.00	07000	439.00	07000
8	439.00	08000	439.00	08000
9	439.00	09000	439.00	09000
10	439.00	10000	439.00	10000
11	439.00	11000	439.00	11000
12	439.00	12000	439.00	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



d ₁ DCONWS mm	Smooth 136 E / F 20-201 I ₁ = 8 mm		Smooth 136 E / F 20-201 I ₁ = 10 mm	
	NEW Y8 Article no. 81 008 ...	£	NEW Y8 Article no. 81 010 ...	£
1	471.00	01000	471.00	01000
2	471.00	02000	471.00	02000
3	439.00	03000	439.00	03000
4	439.00	04000	439.00	04000
5	439.00	05000	439.00	05000
6	471.00	06000	439.00	06000
7	471.00	07000	439.00	07000
8	439.00	08000	439.00	08000
9	439.00	09000	439.00	09000
10	439.00	10000	439.00	10000
11	439.00	11000	439.00	11000
12	439.00	12000	439.00	12000
13			439.00	13000
14			439.00	14000

d ₁ DCONWS mm	Smooth F 37 / 1536 E	
	NEW Y8 Article no. 81 024 ...	£
1	527.00	01000
2	527.00	02000
3	451.00	03000
4	451.00	04000
5	451.00	05000
6	451.00	06000
7	451.00	07000
8	451.00	08000
9	451.00	09000
10	451.00	10000
11	451.00	11000
12	451.00	12000
13	505.00	13000
14	451.00	14000
15	451.00	15000
16	451.00	16000
17	451.00	17000
18	451.00	18000
19	451.00	19000
20	451.00	20000
21	451.00	21000
22	451.00	22000
23	451.00	23000
24	451.00	24000
25	451.00	25000
26	451.00	26000
27	451.00	27000
28	451.00	28000

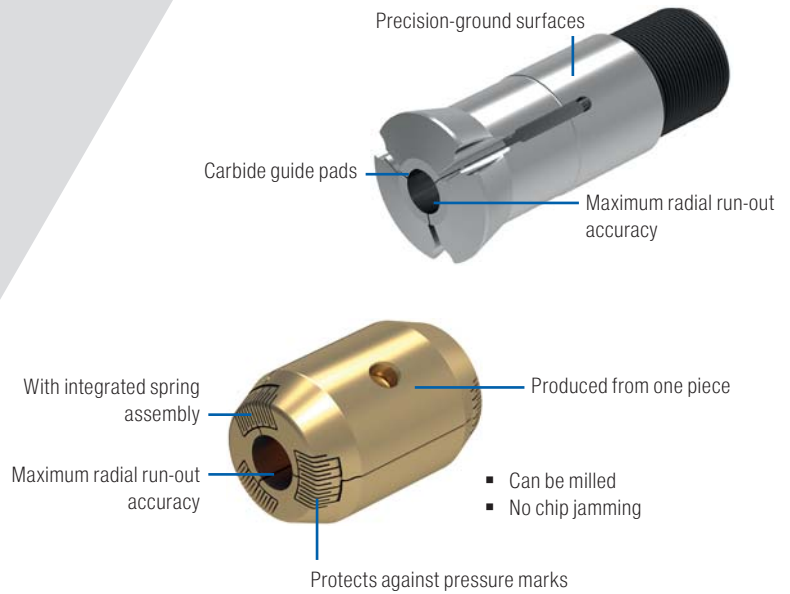
145 E / F 25



d ₁ DCONWS mm	Smooth 145 E / F 25 I ₁ = 10 mm		Smooth 145 E / F 25 I ₁ = 15 mm	
	NEW Y8 Article no. 81 016 ...	£	NEW Y8 Article no. 81 018 ...	£
1	471.00	01000	471.00	01000
2	471.00	02000	471.00	02000
3	439.00	03000	439.00	03000
4	439.00	04000	439.00	04000
5	439.00	05000	439.00	05000
6	439.00	06000	439.00	06000
7	439.00	07000	439.00	07000
8	439.00	08000	439.00	08000
9	439.00	09000	439.00	09000
10	439.00	10000	439.00	10000
11	439.00	11000	439.00	11000
12	439.00	12000	439.00	12000
13	439.00	13000	439.00	13000
14	439.00	14000	439.00	14000
15	439.00	15000	439.00	15000
16	439.00	16000	439.00	16000
17	439.00	17000	439.00	17000
18	439.00	18000	439.00	18000
19	439.00	19000	439.00	19000
20	439.00	20000	439.00	20000

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

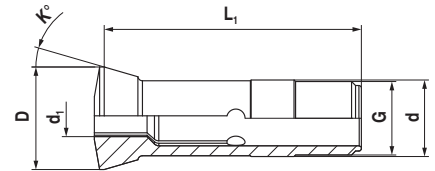
Norm	Guide diameter range in mm	Profile	Version	Pages
I353	Ø 1,0 - 10,5	○	Carbide insert	16
F853	Ø 1,0 - 13,0	○	Carbide insert	17
F391	Ø 1,0 - 18,0	○	Carbide insert	18
F605	Ø 1,0 - 17,0	○	Carbide insert	19
T223	Ø 1,0 - 22,0	○	Carbide insert	20
I357	Ø 2,0 - 22,0	○	Carbide insert	21
T227	Ø 1,0 - 25,0	○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

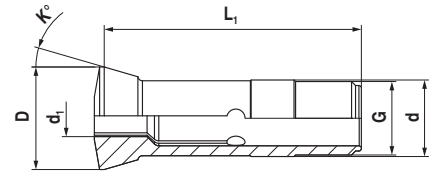


I 353

d ₁ DCONWS mm	NEW Y8 Article no. 81 035 ... £	
1.0	231.00	01000
1.5	213.00	01500
2.0	213.00	02000
2.5	213.00	02500
3.0	213.00	03000
3.5	213.00	03500
4.0	213.00	04000
4.5	170.00	04500
5.0	170.00	05000
5.5	189.00	05500
6.0	189.00	06000
6.5	201.00	06500
7.0	201.00	07000
7.5	213.00	07500
8.0	213.00	08000
8.5	219.00	08500
9.0	219.00	09000
9.5	228.00	09500
10.0	228.00	10000
10.5	236.00	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

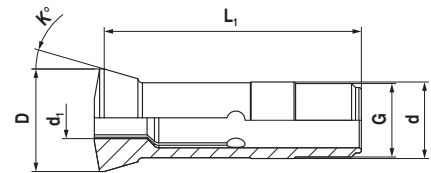


F 853

d ₁ DCONWS mm	NEW Y8 Article no. 81 034 ... £
1.0	231.00 01000
1.5	213.00 01500
2.0	213.00 02000
2.5	213.00 02500
3.0	213.00 03000
3.5	213.00 03500
4.0	213.00 04000
4.5	170.00 04500
5.0	170.00 05000
5.5	189.00 05500
6.0	189.00 06000
6.5	201.00 06500
7.0	201.00 07000
7.5	213.00 07500
8.0	213.00 08000
8.5	219.00 08500
9.0	219.00 09000
9.5	228.00 09500
10.0	228.00 10000
10.5	236.00 10500
11.0	236.00 11000
11.5	247.00 11500
12.0	247.00 12000
12.5	258.00 12500
13.0	258.00 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 Y8 Article no. 81 032 ... £	
1,000		258.00	01000
1,001 - 1,499		265.76	xxxxx ¹⁾
1,500		218.00	01500
1,501 - 1,999		265.76	xxxxx ¹⁾
2,000		218.00	02000
2,001 - 2,499		265.76	xxxxx ¹⁾
2,500		175.00	02500
2,501 - 2,999		265.76	xxxxx ¹⁾
3,000		175.00	03000
3,001 - 3,499		265.76	xxxxx ¹⁾
3,500		166.00	03500
3,501 - 3,999		265.76	xxxxx ¹⁾
4,000		166.00	04000
4,001 - 4,499		265.76	xxxxx ¹⁾
4,500		177.00	04500
4,501 - 4,999		265.76	xxxxx ¹⁾
5,000		177.00	05000
5,001 - 5,499		265.76	xxxxx ¹⁾
5,500		196.00	05500
5,501 - 5,999		265.76	xxxxx ¹⁾
6,000		196.00	06000
6,001 - 6,349		265.76	xxxxx ¹⁾
6,350	1/4	265.76	06350
6,351 - 6,499		265.76	xxxxx ¹⁾
6,500		202.00	06500
6,501 - 6,999		265.76	xxxxx ¹⁾
7,000		202.00	07000
7,001 - 7,499		265.76	xxxxx ¹⁾
7,500		218.00	07500
7,501 - 7,999		265.76	xxxxx ¹⁾
8,000		218.00	08000
8,001 - 8,499		265.76	xxxxx ¹⁾
8,500		228.00	08500
8,501 - 8,999		265.76	xxxxx ¹⁾
9,000		228.00	09000
9,001 - 9,499		265.76	xxxxx ¹⁾
9,500		236.00	09500
9,501 - 9,999		265.76	xxxxx ¹⁾
10,000		236.00	10000
10,001 - 10,499		265.76	xxxxx ¹⁾
10,500		245.00	10500
10,501 - 10,999		265.76	xxxxx ¹⁾
11,000		245.00	11000
11,001 - 11,499		265.76	xxxxx ¹⁾
11,500		253.00	11500
11,501 - 11,999		265.76	xxxxx ¹⁾
12,000		253.00	12000

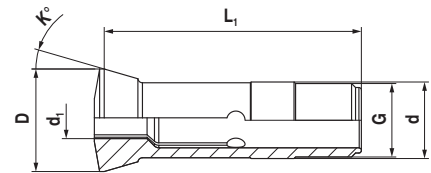
d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 032 ... £	
12,001 - 12,499		265.76	xxxxx ¹⁾
12,500		275.00	12500
12,501 - 12,699		265.76	xxxxx ¹⁾
12,700	1/2	342.40	12700
12,701 - 12,999		342.40	xxxxx ¹⁾
13,000		275.00	13000
13,001 - 13,499		342.40	xxxxx ¹⁾
13,500		282.00	13500
13,501 - 13,999		342.40	xxxxx ¹⁾
14,000		282.00	14000
14,001 - 14,499		342.40	xxxxx ¹⁾
14,500		298.00	14500
14,501 - 14,999		342.40	xxxxx ¹⁾
15,000		298.00	15000
15,001 - 15,499		342.40	xxxxx ¹⁾
15,500		321.00	15500
15,501 - 15,999		342.40	xxxxx ¹⁾
16,000		321.00	16000
16,001 - 16,499		342.40	xxxxx ¹⁾
16,500		335.00	16500
16,501 - 16,999		342.40	xxxxx ¹⁾
17,000		335.00	17000
17,001 - 17,499		342.40	xxxxx ¹⁾
17,500		352.00	17500
17,501 - 17,999		342.40	xxxxx ¹⁾
18,000		352.00	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 Y8 Article no. 81 033 ... £	
1,000		581.00	01000
1,001 - 1,499		246.24	xxxxx ¹⁾
1,500		218.00	01500
1,501 - 1,999		246.24	xxxxx ¹⁾
2,000		218.00	02000
2,001 - 2,499		246.24	xxxxx ¹⁾
2,500		175.00	02500
2,501 - 2,999		246.24	xxxxx ¹⁾
3,000		175.00	03000
3,001 - 3,174		246.24	xxxxx ¹⁾
3,175	1/8	246.24	03175
3,176 - 3,499		246.24	xxxxx ¹⁾
3,500		166.00	03500
3,501 - 3,999		246.24	xxxxx ¹⁾
4,000		166.00	04000
4,001 - 4,499		246.24	xxxxx ¹⁾
4,500		177.00	04500
4,501 - 4,762		246.24	xxxxx ¹⁾
4,763	3/16	247.84	04763
4,764 - 4,999		247.84	xxxxx ¹⁾
5,000		177.00	05000
5,001 - 5,499		247.84	xxxxx ¹⁾
5,500		196.00	05500
5,501 - 5,999		247.84	xxxxx ¹⁾
6,000		196.00	06000
6,001 - 6,349		247.84	xxxxx ¹⁾
6,350	1/4	265.76	06350
6,351 - 6,499		265.76	xxxxx ¹⁾
6,500		202.00	06500
6,501 - 6,999		265.76	xxxxx ¹⁾
7,000		202.00	07000
7,001 - 7,499		265.76	xxxxx ¹⁾
7,500		218.00	07500
7,501 - 7,999		265.76	xxxxx ¹⁾
8,000		218.00	08000
8,001 - 8,499		265.76	xxxxx ¹⁾
8,500		228.00	08500
8,501 - 8,999		265.76	xxxxx ¹⁾
9,000		228.00	09000
9,001 - 9,499		265.76	xxxxx ¹⁾
9,500		236.00	09500
9,501 - 9,999		265.76	xxxxx ¹⁾
10,000		236.00	10000
10,001 - 10,499		265.76	xxxxx ¹⁾
10,500		245.00	10500
10,501 - 10,999		265.76	xxxxx ¹⁾
11,000		245.00	11000

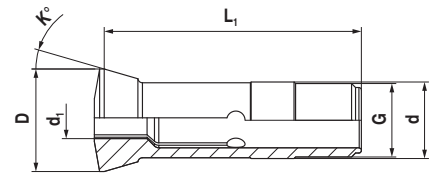
d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 033 ... £	
11,001 - 11,499		265.76	xxxxx ¹⁾
11,500		253.00	11500
11,501 - 11,999		265.76	xxxxx ¹⁾
12,000		253.00	12000
12,001 - 12,499		265.76	xxxxx ¹⁾
12,500		275.00	12500
12,501 - 12,699		265.76	xxxxx ¹⁾
12,700	1/2	342.40	12700
12,701 - 12,999		342.40	xxxxx ¹⁾
13,000		275.00	13000
13,001 - 13,499		342.40	xxxxx ¹⁾
13,500		282.00	13500
13,501 - 13,999		342.40	xxxxx ¹⁾
14,000		282.00	14000
14,001 - 14,499		342.40	xxxxx ¹⁾
14,500		298.00	14500
14,501 - 14,999		342.40	xxxxx ¹⁾
15,000		298.00	15000
15,001 - 15,499		342.40	xxxxx ¹⁾
15,500		321.00	15500
15,501 - 15,999		342.40	xxxxx ¹⁾
16,000		321.00	16000
16,001 - 16,499		342.40	xxxxx ¹⁾
16,500		335.00	16500
16,501 - 16,999		342.40	xxxxx ¹⁾
17,000		335.00	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



d ₁		NEW Y8		NEW Y8		NEW Y8	
DCONWS		Article no.		Article no.		Article no.	
mm	inch	81 037 ...	£	81 038 ...	£	81 039 ...	£
1,000		581.00	01000				
1,001 - 1,499		265.76	xxxxx ¹⁾				
1,500		294.00	01500				
1,501 - 1,999		265.76	xxxxx ¹⁾				
2,000		218.00	02000				
2,001 - 2,499		265.76	xxxxx ¹⁾				
2,500		175.00	02500				
2,501 - 2,999		265.76	xxxxx ¹⁾				
3,000		175.00	03000	379.00	03000	566.00	03000
3,001 - 3,499		265.76	xxxxx ¹⁾				
3,500		166.00	03500				
3,501 - 3,999		265.76	xxxxx ¹⁾				
4,000		166.00	04000	371.00	04000	558.00	04000
4,001 - 4,499		265.76	xxxxx ¹⁾				
4,500		177.00	04500				
4,501 - 4,999		265.76	xxxxx ¹⁾				
5,000		177.00	05000	340.00	05000	525.00	05000
5,001 - 5,499		265.76	xxxxx ¹⁾				
5,500		196.00	05500				
5,501 - 5,999		265.76	xxxxx ¹⁾				
6,000		196.00	06000	376.00	06000	563.00	06000
6,001 - 6,349		265.76	xxxxx ¹⁾				
6,350	1/4	265.76	06350	445.00	06350	632.00	06350
6,351 - 6,499		265.76	xxxxx ¹⁾				
6,500		202.00	06500				
6,501 - 6,999		265.76	xxxxx ¹⁾				
7,000		202.00	07000	394.00	07000	581.00	07000
7,001 - 7,499		265.76	xxxxx ¹⁾				
7,500		218.00	07500				
7,501 - 7,999		265.76	xxxxx ¹⁾				
7,938	5/16			481.00	07938		
8,000		218.00	08000	423.00	08000	609.00	08000
8,001 - 8,499		265.76	xxxxx ¹⁾				
8,500		228.00	08500				
8,501 - 8,999		265.76	xxxxx ¹⁾				
9,000		228.00	09000	439.00	09000	626.00	09000
9,001 - 9,499		265.76	xxxxx ¹⁾				
9,500		236.00	09500				
9,501 - 9,999		265.76	xxxxx ¹⁾				
9,525	3/8			512.00	09525		
10,000		236.00	10000	454.00	10000	641.00	10000
10,001 - 10,499		265.76	xxxxx ¹⁾				
10,500		245.00	10500				
10,501 - 10,999		265.76	xxxxx ¹⁾				
11,000		245.00	11000	471.00	11000	658.00	11000
11,001 - 11,499		265.76	xxxxx ¹⁾				
11,500		253.00	11500				

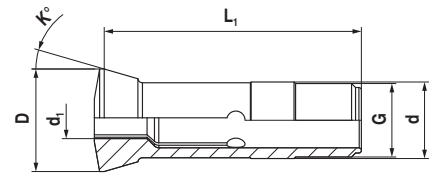
d ₁	d ₁	NEW Y8	NEW Y8	NEW Y8			
DCONWS	inch	Article no.	Article no.	Article no.			
mm		81 037 ...	81 038 ...	81 039 ...			
		£	£	£			
11,501 - 11,999		265.76	xxxxx ¹⁾				
12,000		253.00	12000	491.00	12000	677.00	12000
12,001 - 12,499		265.76	xxxxx ¹⁾				
12,500		275.00	12500				
12,501 - 12,699		265.76	xxxxx ¹⁾				
12,700	1/2	342.40	12700	581.00	12700		
12,701 - 12,999		342.40	xxxxx ¹⁾				
13,000		275.00	13000	524.00	13000	711.00	13000
13,001 - 13,499		342.40	xxxxx ¹⁾				
13,500		282.00	13500				
13,501 - 13,999		342.40	xxxxx ¹⁾				
14,000		282.00	14000	537.00	14000	723.00	14000
14,001 - 14,499		342.40	xxxxx ¹⁾				
14,500		298.00	14500				
14,501 - 14,999		342.40	xxxxx ¹⁾				
15,000		298.00	15000	559.00	15000		
15,001 - 15,499		342.40	xxxxx ¹⁾				
15,500		321.00	15500				
15,501 - 15,999		342.40	xxxxx ¹⁾				
16,000		321.00	16000	588.00	16000		
16,001 - 16,499		342.40	xxxxx ¹⁾				
16,500		335.00	16500				
16,501 - 16,999		342.40	xxxxx ¹⁾				
17,000		335.00	17000	610.00	17000		
17,001 - 17,499		342.40	xxxxx ¹⁾				
17,500		352.00	17500				
17,501 - 17,999		342.40	xxxxx ¹⁾				
18,000		352.00	18000				
18,001 - 18,499		342.40	xxxxx ¹⁾				
18,500		367.00	18500				
18,501 - 18,999		342.40	xxxxx ¹⁾				
19,000		367.00	19000				
19,001 - 19,499		342.40	xxxxx ¹⁾				
19,500		374.00	19500				
19,501 - 19,999		342.40	xxxxx ¹⁾				
20,000		374.00	20000				
20,001 - 20,499		342.40	xxxxx ¹⁾				
20,500		396.00	20500				
20,501 - 20,999		342.40	xxxxx ¹⁾				
21,000		396.00	21000				
21,001 - 21,499		342.40	xxxxx ¹⁾				
21,500		411.00	21500				
21,501 - 21,999		342.40	xxxxx ¹⁾				
22,000		566.00	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

d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 036 ... £	
2,000		218.00	02000
2,001 - 2,499		246.24	xxxxx ¹⁾
2,500		218.00	02500
2,501 - 2,999		246.24	xxxxx ¹⁾
3,000		175.00	03000
3,001 - 3,174		246.24	xxxxx ¹⁾
3,175	1/8	246.24	03175
3,176 - 3,499		246.24	xxxxx ¹⁾
3,500		166.00	03500
3,501 - 3,999		246.24	xxxxx ¹⁾
4,000		166.00	04000
4,001 - 4,499		246.24	xxxxx ¹⁾
4,500		177.00	04500
4,501 - 4,999		246.24	xxxxx ¹⁾
5,000		177.00	05000
5,001 - 5,499		246.24	xxxxx ¹⁾
5,500		196.00	05500
5,501 - 5,999		246.24	xxxxx ¹⁾
6,000		196.00	06000
6,001 - 6,499		246.24	xxxxx ¹⁾
6,500		202.00	06500
6,501 - 6,999		246.24	xxxxx ¹⁾
7,000		202.00	07000
7,001 - 7,143		246.24	xxxxx ¹⁾
7,144	9/32	272.32	07144
7,145 - 7,499		272.32	xxxxx ¹⁾
7,500		218.00	07500
7,501 - 7,999		272.32	xxxxx ¹⁾
8,000		218.00	08000
8,001 - 8,499		272.32	xxxxx ¹⁾
8,500		228.00	08500
8,501 - 8,999		272.32	xxxxx ¹⁾
9,000		228.00	09000
9,001 - 9,499		272.32	xxxxx ¹⁾
9,500		236.00	09500
9,501 - 9,999		272.32	xxxxx ¹⁾
10,000		236.00	10000
10,001 - 10,499		272.32	xxxxx ¹⁾
10,500		245.00	10500
10,501 - 10,999		272.32	xxxxx ¹⁾
11,000		245.00	11000
11,001 - 11,499		272.32	xxxxx ¹⁾
11,500		253.00	11500
11,501 - 11,999		272.32	xxxxx ¹⁾
12,000		253.00	12000
12,001 - 12,499		272.32	xxxxx ¹⁾
12,500		275.00	12500

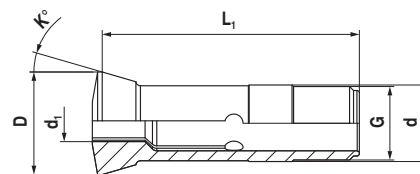
d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 036 ... £	
12,501 - 12,699		342.40	xxxxx ¹⁾
12,700	1/2	342.40	12700
12,701 - 12,999		342.40	xxxxx ¹⁾
13,000		275.00	13000
13,001 - 13,499		342.40	xxxxx ¹⁾
13,500		282.00	13500
13,501 - 13,999		342.40	xxxxx ¹⁾
14,000		282.00	14000
14,001 - 14,499		342.40	xxxxx ¹⁾
14,500		298.00	14500
14,501 - 14,999		342.40	xxxxx ¹⁾
15,000		298.00	15000
15,001 - 15,499		342.40	xxxxx ¹⁾
15,500		321.00	15500
15,501 - 15,999		342.40	xxxxx ¹⁾
16,000		321.00	16000
16,001 - 16,499		342.40	xxxxx ¹⁾
16,500		335.00	16500
16,501 - 16,999		342.40	xxxxx ¹⁾
17,000		335.00	17000
17,001 - 17,499		342.40	xxxxx ¹⁾
17,500		352.00	17500
17,501 - 17,999		342.40	xxxxx ¹⁾
18,000		352.00	18000
18,001 - 18,499		342.40	xxxxx ¹⁾
18,500		367.00	18500
18,501 - 18,999		342.40	xxxxx ¹⁾
19,000		367.00	19000
19,001 - 19,499		342.40	xxxxx ¹⁾
19,500		374.00	19500
19,501 - 19,999		342.40	xxxxx ¹⁾
20,000		374.00	20000
20,001 - 20,499		342.40	xxxxx ¹⁾
20,500		396.00	20500
20,501 - 20,999		342.40	xxxxx ¹⁾
21,000		396.00	21000
21,001 - 21,499		342.40	xxxxx ¹⁾
21,500		411.00	21500
21,501 - 21,999		342.40	xxxxx ¹⁾
22,000		411.00	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 Y8 Article no. 81 040 ... £	
1,000		457.00	01000
1,001 - 1,499		265.76	xxxxx ¹⁾
1,500		457.00	01500
1,501 - 1,999		265.76	xxxxx ¹⁾
2,000		218.00	02000
2,001 - 2,499		265.76	xxxxx ¹⁾
2,500		175.00	02500
2,501 - 2,999		265.76	xxxxx ¹⁾
3,000		175.00	03000
3,001 - 3,499		265.76	xxxxx ¹⁾
3,500		166.00	03500
3,501 - 3,999		265.76	xxxxx ¹⁾
4,000		166.00	04000
4,001 - 4,499		265.76	xxxxx ¹⁾
4,500		177.00	04500
4,501 - 4,999		265.76	xxxxx ¹⁾
5,000		177.00	05000
5,001 - 5,499		265.76	xxxxx ¹⁾
5,500		196.00	05500
5,501 - 5,999		265.76	xxxxx ¹⁾
6,000		196.00	06000
6,001 - 6,349		265.76	xxxxx ¹⁾
6,350	1/4	265.76	06350
6,351 - 6,499		265.76	xxxxx ¹⁾
6,500		202.00	06500
6,501 - 6,999		265.76	xxxxx ¹⁾
7,000		202.00	07000
7,001 - 7,499		265.76	xxxxx ¹⁾
7,500		218.00	07500
7,501 - 7,999		265.76	xxxxx ¹⁾
8,000		218.00	08000
8,001 - 8,499		265.76	xxxxx ¹⁾
8,500		228.00	08500
8,501 - 8,999		265.76	xxxxx ¹⁾
9,000		228.00	09000
9,001 - 9,499		265.76	xxxxx ¹⁾
9,500		236.00	09500
9,501 - 9,999		265.76	xxxxx ¹⁾
10,000		236.00	10000
10,001 - 10,499		265.76	xxxxx ¹⁾
10,500		245.00	10500
10,501 - 10,999		265.76	xxxxx ¹⁾
11,000		245.00	11000
11,001 - 11,499		265.76	xxxxx ¹⁾
11,500		253.00	11500
11,501 - 11,999		265.76	xxxxx ¹⁾
12,000		253.00	12000
12,001 - 12,499		265.76	xxxxx ¹⁾
12,500		275.00	12500

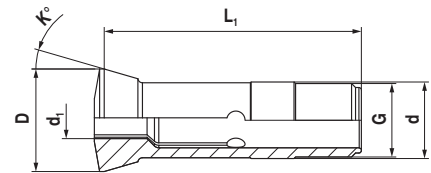
d ₁ DCONWS mm	d ₁ inch	NEW Y8 Article no. 81 040 ... £	
12,501 - 12,699		265.76	xxxxx ¹⁾
12,700	1/2	342.40	12700
12,701 - 12,999		342.40	xxxxx ¹⁾
13,000		275.00	13000
13,001 - 13,499		342.40	xxxxx ¹⁾
13,500		282.00	13500
13,501 - 13,999		342.40	xxxxx ¹⁾
14,000		282.00	14000
14,001 - 14,499		342.40	xxxxx ¹⁾
14,500		298.00	14500
14,501 - 14,999		342.40	xxxxx ¹⁾
15,000		298.00	15000
15,001 - 15,499		342.40	xxxxx ¹⁾
15,500		321.00	15500
15,501 - 15,999		342.40	xxxxx ¹⁾
16,000		321.00	16000
16,001 - 16,499		342.40	xxxxx ¹⁾
16,500		335.00	16500
16,501 - 16,999		342.40	xxxxx ¹⁾
17,000		335.00	17000
17,001 - 17,499		342.40	xxxxx ¹⁾
17,500		352.00	17500
17,501 - 17,999		342.40	xxxxx ¹⁾
18,000		352.00	18000
18,001 - 18,499		342.40	xxxxx ¹⁾
18,500		367.00	18500
18,501 - 18,999		342.40	xxxxx ¹⁾
19,000		367.00	19000
19,001 - 19,499		342.40	xxxxx ¹⁾
19,500		374.00	19500
19,501 - 19,999		342.40	xxxxx ¹⁾
20,000		374.00	20000
20,001 - 20,499		342.40	xxxxx ¹⁾
20,500		396.00	20500
20,501 - 20,999		342.40	xxxxx ¹⁾
21,000		396.00	21000
21,001 - 21,499		342.40	xxxxx ¹⁾
21,500		411.00	21500
21,501 - 21,999		342.40	xxxxx ¹⁾
22,000		411.00	22000
22,001 - 22,499		342.40	xxxxx ¹⁾
22,500		423.00	22500
22,501 - 22,999		342.40	xxxxx ¹⁾
23,000		423.00	23000
23,001 - 23,499		342.40	xxxxx ¹⁾
23,500		437.00	23500
23,501 - 23,999		342.40	xxxxx ¹⁾
24,000		437.00	24000
24,001 - 24,499		342.40	xxxxx ¹⁾
24,500		442.00	24500
24,501 - 24,999		342.40	xxxxx ¹⁾
25,000		442.00	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 Y8		NEW Y8	
		Article no. 81 041 ...	£	Article no. 81 042 ...	£
2,000		785.00	02000		
2,001 - 2,499		331.04	xxxxx ¹⁾		
2,500		785.00	02500		
2,501 - 2,999		331.04	xxxxx ¹⁾		
3,000		321.00	03000		
3,001 - 3,499		331.04	xxxxx ¹⁾		
3,500		321.00	03500		
3,501 - 3,999		331.04	xxxxx ¹⁾		
4,000		282.00	04000	488.00	04000
4,001 - 4,499		331.04	xxxxx ¹⁾		
4,500		282.00	04500		
4,501 - 4,999		331.04	xxxxx ¹⁾		
5,000		258.00	05000	422.00	05000
5,001 - 5,499		331.04	xxxxx ¹⁾		
5,500		258.00	05500		
5,501 - 5,999		331.04	xxxxx ¹⁾		
6,000		264.00	06000	445.00	06000
6,001 - 6,349		331.04	xxxxx ¹⁾		
6,350		331.04	06350	515.00	06350
6,351 - 6,499		331.04	xxxxx ¹⁾		
6,500		264.00	06500		
6,501 - 6,999		331.04	xxxxx ¹⁾		
7,000		264.00	07000	456.00	07000
7,001 - 7,499		331.04	xxxxx ¹⁾		
7,500		264.00	07500		
7,501 - 7,999		331.04	xxxxx ¹⁾		
8,000		264.00	08000	469.00	08000
8,001 - 8,499		331.04	xxxxx ¹⁾		
8,500		264.00	08500		
8,501 - 8,999		331.04	xxxxx ¹⁾		
9,000		264.00	09000	476.00	09000
9,001 - 9,499		331.04	xxxxx ¹⁾		
9,500		264.00	09500		
9,501 - 9,524		331.04	xxxxx ¹⁾		
9,525		331.04	09525		
9,526 - 9,999		331.04	xxxxx ¹⁾		
10,000		264.00	10000	481.00	10000
10,001 - 10,499		331.04	xxxxx ¹⁾		
10,500		264.00	10500		
10,501 - 10,999		331.04	xxxxx ¹⁾		
11,000		272.00	11000	498.00	11000
11,001 - 11,499		331.04	xxxxx ¹⁾		
11,500		272.00	11500		
11,501 - 11,999		331.04	xxxxx ¹⁾		
12,000		272.00	12000	508.00	12000
12,001 - 12,499		331.04	xxxxx ¹⁾		
12,500		272.00	12500		
12,501 - 12,699		331.04	xxxxx ¹⁾		
12,700		337.44	12700		
12,701 - 12,999		337.44	xxxxx ¹⁾		
13,000		279.00	13000	527.00	13000
13,001 - 13,499		337.44	xxxxx ¹⁾		
13,500		279.00	13500		
13,501 - 13,999		337.44	xxxxx ¹⁾		
14,000		287.00	14000	541.00	14000
14,001 - 14,499		337.44	xxxxx ¹⁾		
14,500		287.00	14500		
14,501 - 14,999		337.44	xxxxx ¹⁾		
15,000		301.00	15000	561.00	15000
15,001 - 15,499		337.44	xxxxx ¹⁾		
15,500		301.00	15500		
15,501 - 15,999		337.44	xxxxx ¹⁾		
16,000		323.00	16000	592.00	16000

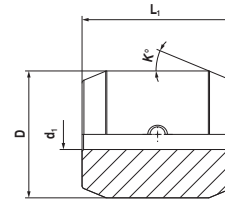
d ₁ DCONWS mm	d ₁ inch	NEW Y8		NEW Y8	
		Article no. 81 041 ...	£	Article no. 81 042 ...	£
16,001 - 16,499		337.44	xxxxx ¹⁾		
16,500		323.00	16500		
16,501 - 16,999		337.44	xxxxx ¹⁾		
17,000		337.00	17000	614.00	17000
17,001 - 17,499		337.44	xxxxx ¹⁾		
17,500		337.00	17500		
17,501 - 17,999		337.44	xxxxx ¹⁾		
18,000		355.00	18000	644.00	18000
18,001 - 18,499		337.44	xxxxx ¹⁾		
18,500		355.00	18500		
18,501 - 18,999		337.44	xxxxx ¹⁾		
19,000		364.00	19000	677.00	19000
19,001 - 19,049		337.44	xxxxx ¹⁾		
19,050		427.20	19050		
19,051 - 19,499		427.20	xxxxx ¹⁾		
19,500		364.00	19500		
19,501 - 19,999		427.20	xxxxx ¹⁾		
20,000		372.00	20000	697.00	20000
20,001 - 20,499		427.20	xxxxx ¹⁾		
20,500		372.00	20500		
20,501 - 20,999		427.20	xxxxx ¹⁾		
21,000		388.00	21000	729.00	21000
21,001 - 21,499		427.20	xxxxx ¹⁾		
21,500		388.00	21500		
21,501 - 21,999		427.20	xxxxx ¹⁾		
22,000		405.00	22000	757.00	22000
22,001 - 22,224		427.20	xxxxx ¹⁾		
22,225		466.24	22225		
22,226 - 22,499		466.24	xxxxx ¹⁾		
22,500		405.00	22500		
22,501 - 22,999		466.24	xxxxx ¹⁾		
23,000		423.00	23000	784.00	23000
23,001 - 23,499		466.24	xxxxx ¹⁾		
23,500		423.00	23500		
23,501 - 23,999		466.24	xxxxx ¹⁾		
24,000		432.00	24000	806.00	24000
24,001 - 24,499		466.24	xxxxx ¹⁾		
24,500		432.00	24500		
24,501 - 24,999		466.24	xxxxx ¹⁾		
25,000		439.00	25000	830.00	25000
25,001 - 25,499		466.24	xxxxx ¹⁾		
25,500		439.00	25500		
25,501 - 25,999		466.24	xxxxx ¹⁾		
26,000		449.00	26000	859.00	26000
26,001 - 26,499		466.24	xxxxx ¹⁾		
26,500		449.00	26500		
26,501 - 26,999		466.24	xxxxx ¹⁾		
27,000		473.00	27000	889.00	27000
27,001 - 27,499		466.24	xxxxx ¹⁾		
27,500		473.00	27500		
27,501 - 27,999		466.24	xxxxx ¹⁾		
28,000		500.00	28000		
28,001 - 28,499		466.24	xxxxx ¹⁾		
28,500		500.00	28500		
28,501 - 28,999		466.24	xxxxx ¹⁾		
29,000		524.00	29000		
29,001 - 29,499		466.24	xxxxx ¹⁾		
29,500		524.00	29500		
29,501 - 29,999		466.24	xxxxx ¹⁾		
30,000		537.00	30000		
30,001 - 30,499		466.24	xxxxx ¹⁾		
30,500		537.00	30500		
30,501 - 30,999		466.24	xxxxx ¹⁾		
31,000		556.00	31000		
31,001 - 31,499		466.24	xxxxx ¹⁾		
31,500		556.00	31500		
31,501 - 31,999		466.24	xxxxx ¹⁾		
32,000		573.00	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

d ₁ DCONWS mm	d ₁ inch	NEW Y8	
		Article no. 81 059 ...	£
3.000		675.00	03000
4.000		675.00	04000
5.000		675.00	05000
6.000		675.00	06000
6.350	1/4	675.00	06350
7.000		675.00	07000
8.000		675.00	08000
9.000		675.00	09000
9.525	3/8	675.00	09525
10.000		568.00	10000
11.000		568.00	11000
12.000		568.00	12000
12.700	1/2	568.00	12700
13.000		568.00	13000
14.000		568.00	14000
15.000		568.00	15000
16.000		568.00	16000
17.000		568.00	17000
18.000		568.00	18000
19.000		568.00	19000
19.050	3/4	568.00	19050
20.000		568.00	20000

GBE 42



●
GBE 42

d ₁ DCONWS mm	d ₁ inch	NEW Y8	
		Article no. 81 060 ...	£
3.000		944.00	03000
4.000		944.00	04000
5.000		944.00	05000
6.000		944.00	06000
6.350	1/4	944.00	06350
7.000		944.00	07000
8.000		944.00	08000
9.000		944.00	09000
10.000		944.00	10000
11.000		836.00	11000
12.000		836.00	12000
12.700	1/2	836.00	12700
13.000		836.00	13000
14.000		836.00	14000
15.000		836.00	15000
15.875	5/8	836.00	15880
16.000		836.00	16000
17.000		836.00	17000
18.000		836.00	18000
19.000		836.00	19000
19.050	3/4	836.00	19050
20.000		836.00	20000
21.000		836.00	21000
22.000		836.00	22000
22.225	7/8	836.00	22225
23.000		836.00	23000
24.000		836.00	24000
25.000		836.00	25000
25.400	1/1	836.00	25400
26.000		836.00	26000
27.000		836.00	27000
28.000		836.00	28000
29.000		836.00	29000
30.000		836.00	30000
31.000		836.00	31000
32.000		836.00	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

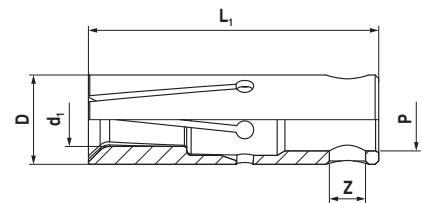


Clamping sleeves overview

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 Y8		NEW Y8	
		Article no. 81 043 ...	£	Article no. 81 044 ...	£
3,000		72.00	03000	155.00	03000
3,001 - 3,499		76.78	xxxxx ¹⁾		
3,500		72.00	03500		
3,501 - 3,999		76.78	xxxxx ¹⁾		
4,000		49.00	04000	126.00	04000
4,001 - 4,499		76.78	xxxxx ¹⁾		
4,500		49.00	04500		
4,501 - 4,999		76.78	xxxxx ¹⁾		
5,000		49.00	05000	126.00	05000
5,001 - 5,499		76.78	xxxxx ¹⁾		
5,500		49.00	05500		
5,501 - 5,999		76.78	xxxxx ¹⁾		
6,000		49.00	06000	126.00	06000
6,001 - 6,349		76.78	xxxxx ¹⁾		
6,350	1/4	76.78	06350		
6,351 - 6,499		76.78	xxxxx ¹⁾		
6,500		49.00	06500		
6,501 - 6,999		76.78	xxxxx ¹⁾		
7,000		49.00	07000	126.00	07000
7,001 - 7,143		76.78	xxxxx ¹⁾		
7,144	9/32	76.78	07144		
7,145 - 7,499		76.78	xxxxx ¹⁾		
7,500		49.00	07500		
7,501 - 7,937		76.78	xxxxx ¹⁾		
7,938	5/16	76.78	07938		
7,939 - 7,999		76.78	xxxxx ¹⁾		
8,000		49.00	08000	126.00	08000
8,001 - 8,499		76.78	xxxxx ¹⁾		
8,500		49.00	08500		
8,501 - 8,999		76.78	xxxxx ¹⁾		
9,000		72.00	09000		
9,001 - 9,499		76.78	xxxxx ¹⁾		
9,500		72.00	09500		
9,501 - 9,999		76.78	xxxxx ¹⁾		
10,000		72.00	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)

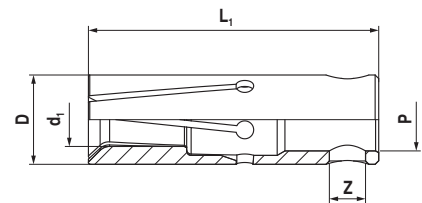
d ₁ DCONWS mm	d ₁ inch	NEW Y8		NEW Y8	
		Article no. 81 045 ...	£	Article no. 81 046 ...	£
3,000		75.00	03000	161.00	03000
3,001 - 3,499		78.91	xxxxx ¹⁾		
3,500		75.00	03500		
3,501 - 3,999		78.91	xxxxx ¹⁾		
4,000		52.00	04000	129.00	04000
4,001 - 4,499		78.91	xxxxx ¹⁾		
4,500		52.00	04500		
4,501 - 4,762		78.91	xxxxx ¹⁾		
4,763	3/16	78.91	04763		
4,764 - 4,999		78.91	xxxxx ¹⁾		
5,000		52.00	05000	129.00	05000
5,001 - 5,499		78.91	xxxxx ¹⁾		
5,500		52.00	05500		
5,501 - 5,999		78.91	xxxxx ¹⁾		
6,000		52.00	06000	129.00	06000
6,001 - 6,349		78.91	xxxxx ¹⁾		
6,350	1/4	78.91	06350	169.00	06350
6,351 - 6,499		78.91	xxxxx ¹⁾		
6,500		52.00	06500		
6,501 - 6,999		78.91	xxxxx ¹⁾		
7,000		52.00	07000	129.00	07000
7,001 - 7,499		78.91	xxxxx ¹⁾		
7,500		52.00	07500		
7,501 - 7,937		78.91	xxxxx ¹⁾		
7,938	5/16	78.91	07938		
7,939 - 7,999		78.91	xxxxx ¹⁾		
8,000		52.00	08000	129.00	08000
8,001 - 8,499		78.91	xxxxx ¹⁾		
8,500		52.00	08500		
8,501 - 8,999		78.91	xxxxx ¹⁾		
9,000		52.00	09000	129.00	09000
9,001 - 9,499		78.91	xxxxx ¹⁾		
9,500		52.00	09500		
9,501 - 9,524		78.91	xxxxx ¹⁾		
9,525	3/8	78.91	09525		
9,526 - 9,999		78.91	xxxxx ¹⁾		
10,000		75.00	10000		
10,001 - 10,499		78.91	xxxxx ¹⁾		
10,500		75.00	10500		
10,501 - 10,999		78.91	xxxxx ¹⁾		
11,000		75.00	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 Y8		NEW Y8	
		Article no. 81 047 ...	£	Article no. 81 048 ...	£
3,000		80.00	03000	236.00	03000
3,001 - 3,174		106.30	xxxxx ¹⁾		
3,175	1/8	106.30	03175		
3,176 - 3,499		106.30	xxxxx ¹⁾		
3,500		80.00	03500		
3,501 - 3,999		106.30	xxxxx ¹⁾		
4,000		56.00	04000	134.00	04000
4,001 - 4,499		106.30	xxxxx ¹⁾		
4,500		56.00	04500		
4,501 - 4,999		106.30	xxxxx ¹⁾		
5,000		56.00	05000	134.00	05000
5,001 - 5,499		106.30	xxxxx ¹⁾		
5,500		56.00	05500		
5,501 - 5,999		106.30	xxxxx ¹⁾		
6,000		56.00	06000	134.00	06000
6,001 - 6,349		106.30	xxxxx ¹⁾		
6,350	1/4	83.15	06350	175.00	06350
6,351 - 6,499		83.15	xxxxx ¹⁾		
6,500		56.00	06500		
6,501 - 6,999		83.15	xxxxx ¹⁾		
7,000		56.00	07000	134.00	07000
7,001 - 7,499		83.15	xxxxx ¹⁾		
7,500		56.00	07500		
7,501 - 7,937		83.15	xxxxx ¹⁾		
7,938	5/16	83.15	07938	175.00	07938
7,939 - 7,999		83.15	xxxxx ¹⁾		
8,000		56.00	08000	134.00	08000
8,001 - 8,499		83.15	xxxxx ¹⁾		
8,500		56.00	08500		
8,501 - 8,999		83.15	xxxxx ¹⁾		
9,000		56.00	09000	134.00	09000
9,001 - 9,499		83.15	xxxxx ¹⁾		
9,500		56.00	09500		
9,501 - 9,524		83.15	xxxxx ¹⁾		
9,525	3/8	83.15	09525		
9,526 - 9,999		83.15	xxxxx ¹⁾		
10,000		56.00	10000	134.00	10000
10,001 - 10,499		83.15	xxxxx ¹⁾		
10,500		56.00	10500		
10,501 - 10,999		83.15	xxxxx ¹⁾		
11,000		56.00	11000	194.00	11000
11,001 - 11,112		83.15	xxxxx ¹⁾		
11,113	7/16	83.15	11113		
11,114 - 11,499		83.15	xxxxx ¹⁾		
11,500		56.00	11500		
11,501 - 11,999		83.15	xxxxx ¹⁾		
12,000		56.00	12000	194.00	12000

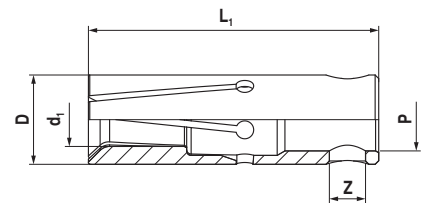
d ₁ DCONWS mm	d ₁ inch	NEW Y8	NEW Y8
		Article no. 81 047 ...	Article no. 81 048 ...
12,001 - 12,499		83.15 xxxxx ¹⁾	
12,500		56.00 12500	
12,501 - 12,699		83.15 xxxxx ¹⁾	
12,700	1/2	83.15 12700	
12,701 - 12,999		83.15 xxxxx ¹⁾	
13,000		56.00 13000	
13,001 - 13,499		83.15 xxxxx ¹⁾	
13,500		81.00 13500	
13,501 - 13,999		83.15 xxxxx ¹⁾	
14,000		81.00 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 Y8	NEW Y8
		Article no. 81 049 ... £	Article no. 81 050 ... £
3,000		80.00 03000	236.00 03000
3,001 - 3,499		83.15 xxxxx ¹⁾	
3,500		80.00 03500	
3,501 - 3,999		83.15 xxxxx ¹⁾	
4,000		56.00 04000	134.00 04000
4,001 - 4,499		83.15 xxxxx ¹⁾	
4,500		56.00 04500	
4,501 - 4,999		83.15 xxxxx ¹⁾	
5,000		56.00 05000	134.00 05000
5,001 - 5,499		83.15 xxxxx ¹⁾	
5,500		56.00 05500	
5,501 - 5,999		83.15 xxxxx ¹⁾	
6,000		56.00 06000	134.00 06000
6,001 - 6,349		83.15 xxxxx ¹⁾	
6,350	1/4	83.15 06350	
6,351 - 6,499		83.15 xxxxx ¹⁾	
6,500		80.00 06500	
6,501 - 6,999		83.15 xxxxx ¹⁾	
7,000		56.00 07000	134.00 07000
7,001 - 7,499		83.15 xxxxx ¹⁾	
7,500		56.00 07500	
7,501 - 7,999		83.15 xxxxx ¹⁾	
8,000		56.00 08000	134.00 08000
8,001 - 8,499		83.15 xxxxx ¹⁾	
8,500		56.00 08500	
8,501 - 8,999		83.15 xxxxx ¹⁾	
9,000		56.00 09000	134.00 09000
9,001 - 9,499		83.15 xxxxx ¹⁾	
9,500		56.00 09500	
9,501 - 9,524		83.15 xxxxx ¹⁾	
9,525	3/8	83.15 09525	
9,526 - 9,999		83.15 xxxxx ¹⁾	
10,000		56.00 10000	134.00 10000
10,001 - 10,499		83.15 xxxxx ¹⁾	
10,500		56.00 10500	
10,501 - 10,999		83.15 xxxxx ¹⁾	
11,000		56.00 11000	134.00 11000
11,001 - 11,112		83.15 xxxxx ¹⁾	
11,113	7/16	83.15 11113	
11,114 - 11,499		83.15 xxxxx ¹⁾	
11,500		56.00 11500	
11,501 - 11,999		83.15 xxxxx ¹⁾	
12,000		56.00 12000	194.00 12000
12,001 - 12,499		83.15 xxxxx ¹⁾	
12,500		56.00 12500	
12,501 - 12,699		83.15 xxxxx ¹⁾	
12,700	1/2	83.15 12700	

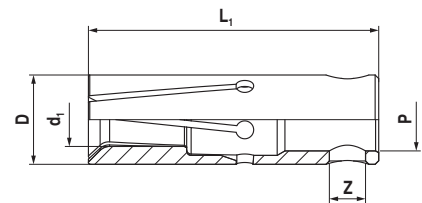
d ₁ DCONWS mm	d ₁ inch	NEW Y8	NEW Y8
		Article no. 81 049 ... £	Article no. 81 050 ... £
12,701 - 12,999		83.15 xxxxx ¹⁾	
13,000		56.00 13000	194.00 13000
13,001 - 13,499		83.15 xxxxx ¹⁾	
13,500		81.00 13500	
13,501 - 13,999		83.15 xxxxx ¹⁾	
14,000		81.00 14000	
14,001 - 14,287		83.15 xxxxx ¹⁾	
14,288	9/16	107.28 14288	
14,289 - 14,499		107.28 xxxxx ¹⁾	
14,500		81.00 14500	
14,501 - 14,999		107.28 xxxxx ¹⁾	
15,000		81.00 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 Y8		NEW Y8	
		Article no. 81 051 ... £	Article no. 03000 ...	Article no. 81 052 ... £	Article no. 05000 ...
3,000		87.00	03000		
3,001 - 3,174		112.50	xxxxx ¹⁾		
3,175	1/8	112.50	03175		
3,176 - 3,499		112.50	xxxxx ¹⁾		
3,500		87.00	03500		
3,501 - 3,999		112.50	xxxxx ¹⁾		
4,000		87.00	04000		
4,001 - 4,499		112.50	xxxxx ¹⁾		
4,500		87.00	04500		
4,501 - 4,762		112.50	xxxxx ¹⁾		
4,763	3/16	112.50	04763		
4,764 - 4,999		112.50	xxxxx ¹⁾		
5,000		61.00	05000	141.00	05000
5,001 - 5,499		112.50	xxxxx ¹⁾		
5,500		61.00	05500		
5,501 - 5,999		112.50	xxxxx ¹⁾		
6,000		61.00	06000	141.00	06000
6,001 - 6,499		112.50	xxxxx ¹⁾		
6,500		61.00	06500		
6,501 - 6,999		112.50	xxxxx ¹⁾		
7,000		61.00	07000	141.00	07000
7,001 - 7,499		112.50	xxxxx ¹⁾		
7,500		61.00	07500		
7,501 - 7,937		112.50	xxxxx ¹⁾		
7,938	5/16	88.37	07938		
7,939 - 7,999		88.37	xxxxx ¹⁾		
8,000		61.00	08000	141.00	08000
8,001 - 8,499		88.37	xxxxx ¹⁾		
8,500		61.00	08500		
8,501 - 8,999		88.37	xxxxx ¹⁾		
9,000		61.00	09000	141.00	09000
9,001 - 9,499		88.37	xxxxx ¹⁾		
9,500		61.00	09500		
9,501 - 9,524		88.37	xxxxx ¹⁾		
9,525	3/8	88.37	09525		
9,526 - 9,999		88.37	xxxxx ¹⁾		
10,000		61.00	10000	141.00	10000
10,001 - 10,499		88.37	xxxxx ¹⁾		
10,500		61.00	10500		
10,501 - 10,999		88.37	xxxxx ¹⁾		
11,000		61.00	11000	201.00	11000
11,001 - 11,112		88.37	xxxxx ¹⁾		
11,113	7/16	88.37	11113		
11,114 - 11,499		88.37	xxxxx ¹⁾		
11,500		61.00	11500		
11,501 - 11,999		88.37	xxxxx ¹⁾		
12,000		61.00	12000	201.00	12000

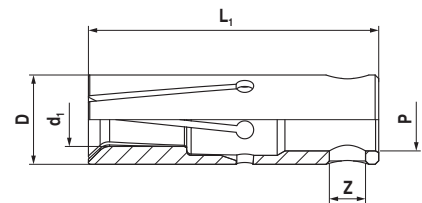
d ₁ DCONWS mm	d ₁ inch	NEW Y8		NEW Y8	
		Article no. 81 051 ... £	Article no. xxxxx ¹⁾	Article no. 81 052 ... £	Article no. xxxxx ¹⁾
12,001 - 12,499		88.37	xxxxx ¹⁾		
12,500		61.00	12500		
12,501 - 12,699		88.37	xxxxx ¹⁾		
12,700	1/2	88.37	12700	236.00	12700
12,701 - 12,999		88.37	xxxxx ¹⁾		
13,000		61.00	13000	201.00	13000
13,001 - 13,499		88.37	xxxxx ¹⁾		
13,500		61.00	13500		
13,501 - 13,999		88.37	xxxxx ¹⁾		
14,000		61.00	14000	201.00	14000
14,001 - 14,287		88.37	xxxxx ¹⁾		
14,288	9/16	88.37	14288		
14,289 - 14,499		88.37	xxxxx ¹⁾		
14,500		61.00	14500		
14,501 - 14,999		88.37	xxxxx ¹⁾		
15,000		61.00	15000		
15,001 - 15,499		88.37	xxxxx ¹⁾		
15,500		61.00	15500		
15,501 - 15,874		88.37	xxxxx ¹⁾		
15,875	5/8	88.37	15875		
15,876 - 15,999		88.37	xxxxx ¹⁾		
16,000		61.00	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 Y8	NEW Y8
		Article no. 81 053 ... £	Article no. 81 054 ... £
4,000		87.00	04000
4,001 - 4,499		112.50	xxxxx ¹⁾
4,500		87.00	04500
4,501 - 4,762		112.50	xxxxx ¹⁾
4,763	3/16	112.50	04763
4,764 - 4,999		112.50	xxxxx ¹⁾
5,000		87.00	05000
5,001 - 5,499		112.50	xxxxx ¹⁾
5,500		87.00	05500
5,501 - 5,999		112.50	xxxxx ¹⁾
6,000		65.00	06000
6,001 - 6,349		112.50	xxxxx ¹⁾
6,350	1/4	91.47	06350
6,351 - 6,499		91.47	xxxxx ¹⁾
6,500		65.00	06500
6,501 - 6,999		91.47	xxxxx ¹⁾
7,000		65.00	07000
7,001 - 7,499		91.47	xxxxx ¹⁾
7,500		65.00	07500
7,501 - 7,937		91.47	xxxxx ¹⁾
7,938	5/16	91.47	07938
7,939 - 7,999		91.47	xxxxx ¹⁾
8,000		65.00	08000
8,001 - 8,499		91.47	xxxxx ¹⁾
8,500		65.00	08500
8,501 - 8,999		91.47	xxxxx ¹⁾
9,000		65.00	09000
9,001 - 9,499		91.47	xxxxx ¹⁾
9,500		65.00	09500
9,501 - 9,524		91.47	xxxxx ¹⁾
9,525	3/8	91.47	09525
9,526 - 9,999		91.47	xxxxx ¹⁾
10,000		65.00	10000
10,001 - 10,499		91.47	xxxxx ¹⁾
10,500		65.00	10500
10,501 - 10,999		91.47	xxxxx ¹⁾
11,000		65.00	11000
11,001 - 11,112		91.47	xxxxx ¹⁾
11,113	7/16	91.47	11113
11,114 - 11,499		91.47	xxxxx ¹⁾
11,500		65.00	11500
11,501 - 11,999		91.47	xxxxx ¹⁾
12,000		65.00	12000
12,001 - 12,499		91.47	xxxxx ¹⁾
12,500		65.00	12500
12,501 - 12,699		91.47	xxxxx ¹⁾
12,700	1/2	91.47	12700

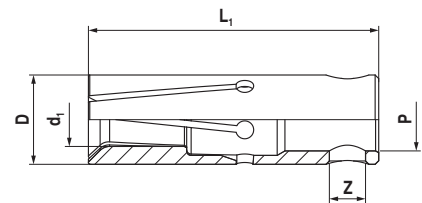
d ₁ DCONWS mm	d ₁ inch	NEW Y8	NEW Y8
		Article no. 81 053 ... £	Article no. 81 054 ... £
12,701 - 12,999		91.47	xxxxx ¹⁾
13,000		65.00	13000
13,001 - 13,499		91.47	xxxxx ¹⁾
13,500		65.00	13500
13,501 - 13,999		91.47	xxxxx ¹⁾
14,000		65.00	14000
14,001 - 14,499		91.47	xxxxx ¹⁾
14,500		65.00	14500
14,501 - 14,999		91.47	xxxxx ¹⁾
15,000		65.00	15000
15,001 - 15,499		91.47	xxxxx ¹⁾
15,500		65.00	15500
15,501 - 15,999		91.47	xxxxx ¹⁾
16,000		65.00	16000
16,001 - 16,499		91.47	xxxxx ¹⁾
16,500		65.00	16500
16,501 - 16,999		91.47	xxxxx ¹⁾
17,000		65.00	17000
17,001 - 17,499		91.47	xxxxx ¹⁾
17,500		65.00	17500
17,501 - 17,999		91.47	xxxxx ¹⁾
18,000		65.00	18000
18,001 - 18,499		91.47	xxxxx ¹⁾
18,500		87.00	18500
18,501 - 18,999		91.47	xxxxx ¹⁾
19,000		87.00	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 Y8		NEW Y8	
		Article no. 81 055 ...	£	Article no. 81 056 ...	£
4,000		89.00	04000		
4,001 - 4,499		93.58	xxxxx ¹⁾		
4,500		89.00	04500		
4,501 - 4,999		93.58	xxxxx ¹⁾		
5,000		89.00	05000	175.00	05000
5,001 - 5,499		93.58	xxxxx ¹⁾		
5,500		89.00	05500		
5,501 - 5,999		93.58	xxxxx ¹⁾		
6,000		67.00	06000	148.00	06000
6,001 - 6,349		93.58	xxxxx ¹⁾		
6,350	1/4	93.58	06350	182.00	06350
6,351 - 6,499		93.58	xxxxx ¹⁾		
6,500		67.00	06500		
6,501 - 6,999		93.58	xxxxx ¹⁾		
7,000		67.00	07000	148.00	07000
7,001 - 7,499		93.58	xxxxx ¹⁾		
7,500		67.00	07500		
7,501 - 7,999		93.58	xxxxx ¹⁾		
8,000		67.00	08000	148.00	08000
8,001 - 8,499		93.58	xxxxx ¹⁾		
8,500		67.00	08500		
8,501 - 8,999		93.58	xxxxx ¹⁾		
9,000		67.00	09000	148.00	09000
9,001 - 9,499		93.58	xxxxx ¹⁾		
9,500		67.00	09500		
9,501 - 9,999		93.58	xxxxx ¹⁾		
10,000		67.00	10000	148.00	10000
10,001 - 10,499		93.58	xxxxx ¹⁾		
10,500		67.00	10500		
10,501 - 10,999		93.58	xxxxx ¹⁾		
11,000		67.00	11000	206.00	11000
11,001 - 11,499		93.58	xxxxx ¹⁾		
11,500		67.00	11500		
11,501 - 11,999		93.58	xxxxx ¹⁾		
12,000		67.00	12000	206.00	12000
12,001 - 12,499		93.58	xxxxx ¹⁾		
12,500		67.00	12500		
12,501 - 12,699		93.58	xxxxx ¹⁾		
12,700	1/2	93.58	12700		
12,701 - 12,999		93.58	xxxxx ¹⁾		
13,000		67.00	13000	206.00	13000
13,001 - 13,499		93.58	xxxxx ¹⁾		
13,500		67.00	13500		
13,501 - 13,999		93.58	xxxxx ¹⁾		
14,000		67.00	14000	206.00	14000
14,001 - 14,499		93.58	xxxxx ¹⁾		
14,500		67.00	14500		

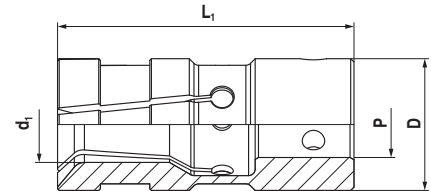
d ₁ DCONWS mm	d ₁ inch	NEW Y8		NEW Y8	
		Article no. 81 055 ...	£	Article no. 81 056 ...	£
14,501 - 14,999		93.58	xxxxx ¹⁾		
15,000		67.00	15000	206.00	15000
15,001 - 15,499		93.58	xxxxx ¹⁾		
15,500		67.00	15500		
15,501 - 15,999		93.58	xxxxx ¹⁾		
16,000		67.00	16000	206.00	16000
16,001 - 16,499		93.58	xxxxx ¹⁾		
16,500		67.00	16500		
16,501 - 16,999		93.58	xxxxx ¹⁾		
17,000		67.00	17000	206.00	17000
17,001 - 17,499		93.58	xxxxx ¹⁾		
17,500		67.00	17500		
17,501 - 17,999		93.58	xxxxx ¹⁾		
18,000		67.00	18000	206.00	18000
18,001 - 18,499		93.58	xxxxx ¹⁾		
18,500		67.00	18500		
18,501 - 18,999		93.58	xxxxx ¹⁾		
19,000		67.00	19000	206.00	19000
19,001 - 19,049		93.58	xxxxx ¹⁾		
19,050	3/4	93.58	19050		
19,051 - 19,499		93.58	xxxxx ¹⁾		
19,500		67.00	19500		
19,501 - 19,999		93.58	xxxxx ¹⁾		
20,000		67.00	20000	206.00	20000
20,001 - 20,499		93.58	xxxxx ¹⁾		
20,500		67.00	20500		
20,501 - 20,999		93.58	xxxxx ¹⁾		
21,000		67.00	21000		
21,001 - 21,499		93.58	xxxxx ¹⁾		
21,500		67.00	21500		
21,501 - 21,999		93.58	xxxxx ¹⁾		
22,000		67.00	22000		
22,001 - 22,499		93.58	xxxxx ¹⁾		
22,500		67.00	22500		
22,501 - 22,999		93.58	xxxxx ¹⁾		
23,000		67.00	23000		
23,001 - 23,499		93.58	xxxxx ¹⁾		
23,500		89.00	23500		
23,501 - 23,999		93.58	xxxxx ¹⁾		
24,000		89.00	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 Y8	NEW Y8
		Article no. 81 057 ... £	Article no. 81 058 ... £
5,000		154.00 05000	281.00 05000
5,001 - 5,499		202.24 xxxxx ¹⁾	
5,500		154.00 05500	
5,501 - 5,999		202.24 xxxxx ¹⁾	
6,000		154.00 06000	281.00 06000
6,001 - 6,349		202.24 xxxxx ¹⁾	
6,350	1/4	202.24 06350	
6,351 - 6,499		202.24 xxxxx ¹⁾	
6,500		154.00 06500	
6,501 - 6,999		202.24 xxxxx ¹⁾	
7,000		154.00 07000	281.00 07000
7,001 - 7,499		202.24 xxxxx ¹⁾	
7,500		154.00 07500	
7,501 - 7,999		202.24 xxxxx ¹⁾	
8,000		154.00 08000	281.00 08000
8,001 - 8,499		202.24 xxxxx ¹⁾	
8,500		154.00 08500	
8,501 - 8,999		202.24 xxxxx ¹⁾	
9,000		89.00 09000	201.00 09000
9,001 - 9,499		202.24 xxxxx ¹⁾	
9,500		89.00 09500	
9,501 - 9,524		202.24 xxxxx ¹⁾	
9,525	3/8	139.89 09525	
9,526 - 9,999		139.89 xxxxx ¹⁾	
10,000		89.00 10000	201.00 10000
10,001 - 10,499		139.89 xxxxx ¹⁾	
10,500		89.00 10500	
10,501 - 10,999		139.89 xxxxx ¹⁾	211.00 11000
11,000		89.00 11000	
11,001 - 11,499		139.89 xxxxx ¹⁾	
11,500		89.00 11500	
11,501 - 11,999		139.89 xxxxx ¹⁾	
12,000		89.00 12000	211.00 12000
12,001 - 12,499		139.89 xxxxx ¹⁾	
12,500		89.00 12500	
12,501 - 12,699		139.89 xxxxx ¹⁾	
12,700	1/2	139.89 12700	
12,701 - 12,999		139.89 xxxxx ¹⁾	
13,000		89.00 13000	211.00 13000
13,001 - 13,499		139.89 xxxxx ¹⁾	
13,500		89.00 13500	
13,501 - 13,999		139.89 xxxxx ¹⁾	
14,000		89.00 14000	211.00 14000
14,001 - 14,499		139.89 xxxxx ¹⁾	
14,500		89.00 14500	
14,501 - 14,999		139.89 xxxxx ¹⁾	
15,000		89.00 15000	211.00 15000
15,001 - 15,499		139.89 xxxxx ¹⁾	
15,500		89.00 15500	
15,501 - 15,874		139.89 xxxxx ¹⁾	
15,875	5/8	139.89 15875	
15,876 - 15,999		139.89 xxxxx ¹⁾	
16,000		89.00 16000	211.00 16000
16,001 - 16,499		139.89 xxxxx ¹⁾	
16,500		89.00 16500	
16,501 - 16,999		139.89 xxxxx ¹⁾	
17,000		89.00 17000	211.00 17000

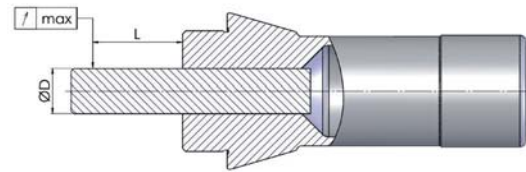
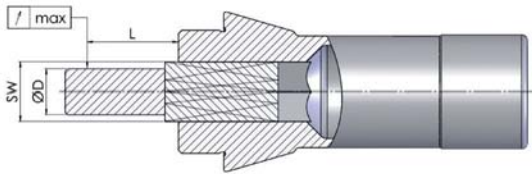
d ₁ DCONWS mm	d ₁ inch	NEW Y8	NEW Y8
		Article no. 81 057 ... £	Article no. 81 058 ... £
17,001 - 17,462		139.89 xxxxx ¹⁾	
17,463	11/16	139.89 17463	
17,464 - 17,499		139.89 xxxxx ¹⁾	
17,500		89.00 17500	
17,501 - 17,999		139.89 xxxxx ¹⁾	
18,000		89.00 18000	211.00 18000
18,001 - 18,499		139.89 xxxxx ¹⁾	
18,500		89.00 18500	
18,501 - 18,999		139.89 xxxxx ¹⁾	
19,000		89.00 19000	211.00 19000
19,001 - 19,049		139.89 xxxxx ¹⁾	
19,050	3/4	139.89 19050	
19,051 - 19,499		139.89 xxxxx ¹⁾	
19,500		89.00 19500	
19,501 - 19,999		139.89 xxxxx ¹⁾	
20,000		89.00 20000	211.00 20000
20,001 - 20,499		139.89 xxxxx ¹⁾	
20,500		89.00 20500	
20,501 - 20,999		139.89 xxxxx ¹⁾	
21,000		89.00 21000	243.00 21000
21,001 - 21,499		139.89 xxxxx ¹⁾	
21,500		89.00 21500	
21,501 - 21,999		139.89 xxxxx ¹⁾	
22,000		89.00 22000	243.00 22000
22,001 - 22,224		139.89 xxxxx ¹⁾	
22,225	7/8	139.89 22225	
22,226 - 22,499		139.89 xxxxx ¹⁾	
22,500		89.00 22500	
22,501 - 22,999		139.89 xxxxx ¹⁾	
23,000		89.00 23000	243.00 23000
23,001 - 23,499		139.89 xxxxx ¹⁾	
23,500		89.00 23500	
23,501 - 23,999		139.89 xxxxx ¹⁾	
24,000		89.00 24000	243.00 24000
24,001 - 24,499		139.89 xxxxx ¹⁾	
24,500		89.00 24500	
24,501 - 24,999		139.89 xxxxx ¹⁾	
25,000		89.00 25000	243.00 25000
25,001 - 25,399		139.89 xxxxx ¹⁾	
25,400	1/1	139.89 25400	
25,401 - 25,499		139.89 xxxxx ¹⁾	
25,500		89.00 25500	
25,501 - 25,999		139.89 xxxxx ¹⁾	
26,000		89.00 26000	243.00 26000
26,001 - 26,499		139.89 xxxxx ¹⁾	
26,500		89.00 26500	
26,501 - 26,999		139.89 xxxxx ¹⁾	
27,000		89.00 27000	
27,001 - 27,499		139.89 xxxxx ¹⁾	
27,500		89.00 27500	
27,501 - 27,999		139.89 xxxxx ¹⁾	
28,000		89.00 28000	
28,001 - 28,499		139.89 xxxxx ¹⁾	
28,500		154.00 28500	
28,501 - 28,574		139.89 xxxxx ¹⁾	
28,575	1 1/8	202.24 28575	
28,576 - 28,999		202.24 xxxxx ¹⁾	
29,000		154.00 29000	
29,001 - 29,499		202.24 xxxxx ¹⁾	
29,500		154.00 29500	
29,501 - 29,999		202.24 xxxxx ¹⁾	
30,000		154.00 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 freephone 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/