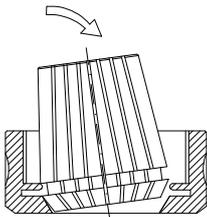


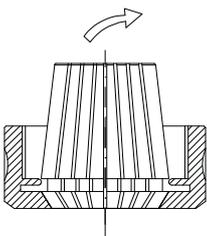
## SPRING COLLETS

### HOW TO INSERT THE SPRING COLLET IN THE NUT



**Right procedure to assemble the collet in the nut:**

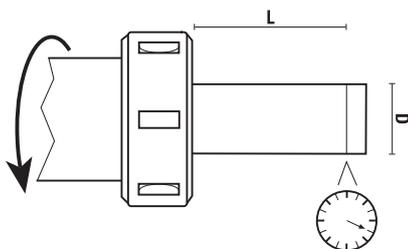
- place the collet diagonal to the clamping nut and lock it from the side by pressing it from top
  - screw the nut and be sure the shank is correctly inserted in the spring collet (see table 1.1). Tighten the nut using the apposite key on the proper demount device (Art. T139, see page 7.34)
- Do not place the spring collet in the collet chuck before you have it properly inserted in the nut.**



**Correct procedure for tool and spring collet change:**

- place the collet chuck in the mounting device
- untighten the clamping nut
- open the clamping nut and pull the cutting tool out holding it on the shank
- release the collet from the clamping nut by lateral pressure

**Klein OFFERS ONLY HIGH PRECISION SPRING COLLETS:**



D	L	Standard Precision	High Precision
			<b>Klein</b>
Ø3 - Ø4 - Ø5	16	0,015	> 0,010
Ø6 ÷ Ø9,5	25	0,015	> 0,010
Ø10 ÷ Ø17	40	0,020	> 0,010
Ø18 ÷ Ø26	50	0,020	> 0,010

Using high precision spring collets vibrations on the tools and motors are reduced, assuring better results and a longer life of the tools and electrospindles.

**COLLET LIFE SPAN:**

Spring collets have a life span of approximately 3 months if used 8 hours a day. Replacing the collets will ensure your operation runs consistency and prevents from tool breakage.

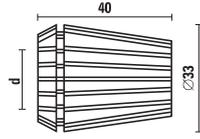
**MAINTENANCE:**

Keeping spring collets and tools clean is essential for a longer life. The worked material produces chips and dirt which can cause an elliptical tool rotation. The seats of collet chucks and electrospindles should be cleaned daily with the correct tapers (see our items **T137** and **X137** at the page 7.33)



**SPRING COLLETS ER 32 - DIN 6499**

ART. T119



Precision= 0,01

Item	d
T119.020.N	Ø 2 - 1
T119.030.N	Ø 3 - 2
T119.032.N	Ø 3,2 - (1/8")
T119.040.N	Ø 4 - 3
T119.048.N	Ø 4,8 - (3/16")
T119.050.N	Ø 5 - 4
T119.060.N	Ø 6 - 5
T119.064.N	Ø 6,4 - (1/4")
T119.070.N	Ø 7 - 6
T119.079.N	Ø 7,9 - (5/16")
T119.080.N	Ø 8 - 7
T119.090.N	Ø 9 - 8
T119.095.N	Ø 9,5 - (3/8")
T119.100.N	Ø 10 - 9
T119.110.N	Ø 11 - 10
T119.120.N	Ø 12 - 11
T119.127.N	Ø 12,7 (1/2")
T119.130.N	Ø 13 - 12
T119.140.N	Ø 14 - 13
T119.150.N	Ø 15 - 14
T119.159.N	Ø 15,9 - (5/8")
T119.160.N	Ø 16 - 15
T119.170.N	Ø 17 - 16
T119.180.N	Ø 18 - 17
T119.190.N	Ø 19 - 18
T119.191.N	Ø 19,1 - (3/4")
T119.200.N	Ø 20 - 19

**SPRING COLLET SET ER 32 - DIN 6499**

ART. X119

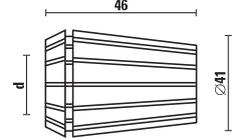


- Complete with 18 pcs
- In carton Box

Item	Diameters:
X119.118.N	Ø3 - Ø4 - Ø5 - Ø6 - Ø7 - Ø8 Ø9 - Ø10 - Ø11 - Ø12 - Ø13 - Ø14 Ø15 - Ø16 - Ø17 - Ø18 - Ø19 - Ø20

**SPRING COLLETS ER 40 - DIN 6499**

ART. T123



Precision= 0,01

Item	d
T123.030.N	Ø 3 - 2
T123.040.N	Ø 4 - 3
T123.048.N	Ø 4,8 - (3/16")
T123.050.N	Ø 5 - 4
T123.060.N	Ø 6 - 5
T123.064.N	Ø 6,4 - (1/4")
T123.070.N	Ø 7 - 6
T123.079.N	Ø 7,9 - (5/16")
T123.080.N	Ø 8 - 7
T123.090.N	Ø 9 - 8
T123.095.N	Ø 9,5 - (3/8")
T123.100.N	Ø 10 - 9
T123.110.N	Ø 11 - 10
T123.120.N	Ø 12 - 11
T123.127.N	Ø 12,7 - (1/2")
T123.130.N	Ø 13 - 12
T123.140.N	Ø 14 - 13
T123.150.N	Ø 15 - 14
T123.159.N	Ø 15,9 - (5/8")
T123.160.N	Ø 16 - 15
T123.170.N	Ø 17 - 16
T123.180.N	Ø 18 - 17
T123.190.N	Ø 19 - 18
T123.191.N	Ø 19,1 - (3/4")
T123.200.N	Ø 20 - 19
T123.210.N	Ø 21 - 20
T123.220.N	Ø 22 - 21
T123.230.N	Ø 23 - 22
T123.240.N	Ø 24 - 23
T123.250.N	Ø 25 - 24
T123.254.N	Ø 25,4 - (1")
T123.260.N	Ø 26 - 25
T123.300.N NEW	Ø 30 - 29

**SPRING COLLET SET ER 40 - DIN 6499**

ART. X123

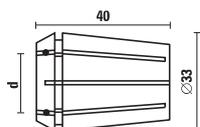


- Complete with 23 pcs
- In carton Box

Item	Diameters:
X123.023.N	Ø3 - Ø4 - Ø5 - Ø6 - Ø7 - Ø8 Ø9 - Ø10 - Ø11 - Ø12 - Ø13 - Ø14 Ø15 - Ø16 - Ø17 - Ø18 - Ø19 - Ø20 Ø21 - Ø22 - Ø23 - Ø24 - Ø25

## WATER-TIGHT SPRING COLLETS ER 32 - DIN 6499

ART. T119



- Precision= 0,01
- Highly recommended when working with lubricant
- Indicated for working aluminium, marble, glass and others

Item	d
T119.020.NTS	Ø 2 - 1
T119.030.NTS	Ø 3 - 2
T119.040.NTS	Ø 4 - 3
T119.050.NTS	Ø 5 - 4
T119.060.NTS	Ø 6 - 5
T119.070.NTS	Ø 7 - 6
T119.080.NTS	Ø 8 - 7
T119.090.NTS	Ø 9 - 8
T119.100.NTS	Ø 10 - 9
T119.110.NTS	Ø 11 - 10
T119.120.NTS	Ø 12 - 11
T119.130.NTS	Ø 13 - 12
T119.140.NTS	Ø 14 - 13
T119.150.NTS	Ø 15 - 14
T119.160.NTS	Ø 16 - 15
T119.170.NTS	Ø 17 - 16
T119.180.NTS	Ø 18 - 17
T119.190.NTS	Ø 19 - 18
T119.200.NTS	Ø 20 - 19

## WATER-TIGHT SPRING COLLET SET ER 32 - DIN 6499

ART. X119

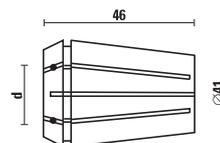


- Complete with 18 pcs
- In carton Box

Item	Diameters:
X119.118.NTS	Ø3 - Ø4 - Ø5 - Ø6 - Ø7 - Ø8 Ø9 - Ø10 - Ø11 - Ø12 - Ø13 - Ø14 Ø15 - Ø16 - Ø17 - Ø18 - Ø19 - Ø20

## WATER-TIGHT SPRING COLLETS ER 40 - DIN 6499

ART. T123



- Precision= 0,01
- Highly recommended when working with lubricant
- Indicated for working aluminium, marble, glass and others

Item	d
T123.030.NTS	Ø 3 - 2
T123.040.NTS	Ø 4 - 3
T123.050.NTS	Ø 5 - 4
T123.060.NTS	Ø 6 - 5
T123.070.NTS	Ø 7 - 6
T123.080.NTS	Ø 8 - 7
T123.090.NTS	Ø 9 - 8
T123.100.NTS	Ø 10 - 9
T123.110.NTS	Ø 11 - 10
T123.120.NTS	Ø 12 - 11
T123.130.NTS	Ø 13 - 12
T123.140.NTS	Ø 14 - 13
T123.150.NTS	Ø 15 - 14
T123.160.NTS	Ø 16 - 15
T123.170.NTS	Ø 17 - 16
T123.180.NTS	Ø 18 - 17
T123.190.NTS	Ø 19 - 18
T123.200.NTS	Ø 20 - 19
T123.210.NTS	Ø 21 - 20
T123.220.NTS	Ø 22 - 21
T123.230.NTS	Ø 23 - 22
T123.240.NTS	Ø 24 - 23
T123.250.NTS	Ø 25 - 24
T123.260.NTS	Ø 26 - 25

## WATER-TIGHT SPRING COLLET SET ER 40 - DIN 6499

ART. X123

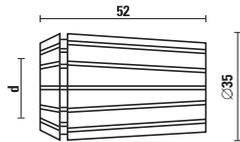


- Complete with 23 pcs
- In carton Box

Item	Diameters:
X123.023.NTS	Ø3 - Ø4 - Ø5 - Ø6 - Ø7 - Ø8 Ø9 - Ø10 - Ø11 - Ø12 - Ø13 - Ø14 Ø15 - Ø16 - Ø17 - Ø18 - Ø19 - Ø20 Ø21 - Ø22 - Ø23 - Ø24 - Ø25

**SPRING COLLETS EOC25 - DIN 6388 (462 E)**

ART. T124



Precision= 0,01

Item	d
T124.020.N	Ø 2 - 1,5
T124.030.N	Ø 3 - 2,5
T124.040.N	Ø 4 - 3,5
T124.050.N	Ø 5 - 4,5
T124.060.N	Ø 6 - 5,5
T124.064.N	Ø 6,4 - (1/4")
T124.070.N	Ø 7 - 6,5
T124.080.N	Ø 8 - 7,5
T124.095.N	Ø 9,5 - (3/8")
T124.100.N	Ø 10 - 9,5
T124.110.N	Ø 11 - 10,5
T124.120.N	Ø 12 - 11,5
T124.130.N	Ø 13 - 12,5 - (1/2")
T124.140.N	Ø 14 - 13,5
T124.159.N	Ø 15,9 - (5/8")
T124.160.N	Ø 16 - 15,5
T124.180.N	Ø 18 - 17,5
T124.191.N	Ø 19,1 - (3/4")
T124.200.N	Ø 20 - 19,5
T124.220.N	Ø 22 - 21,5
T124.250.N	Ø 25 - 24,5
T124.254.N	Ø 25,4 - (1")

**SPRING COLLETS ER 20 - DIN 6499**

ART. T126



Precision= 0,01

Item	d
T126.030.N	Ø 3 - 2
T126.032.N	Ø 3,2 - (1/8")
T126.040.N	Ø 4 - 3
T126.050.N	Ø 5 - 4
T126.060.N	Ø 6 - 5
T126.064.N	Ø 6,4 - (1/4")
T126.080.N	Ø 8 - 7
T126.090.N	Ø 9 - 8
T126.095.N	Ø 9,5 - (3/8")
T126.100.N	Ø 10 - 9
T126.110.N	Ø 11 - 10
T126.120.N	Ø 12 - 11
T126.127.N	Ø 12,7 - (1/2")
T126.130.N	Ø 13 - 12

**SPRING COLLETS ER 25 - DIN 6499**

ART. T125



Precision= 0,01

Item	d
T125.030.N	Ø 3 - 2
T125.032.N	Ø 3,2 - (1/8")
T125.040.N	Ø 4 - 3
T125.048.N	Ø 4,8 - (3/16")
T125.050.N	Ø 5 - 4
T125.060.N	Ø 6 - 5
T125.064.N	Ø 6,4 - (1/4")
T125.070.N	Ø 7 - 6
T125.079.N	Ø 7,9 - (5/16")
T125.080.N	Ø 8 - 7
T125.090.N	Ø 9 - 8
T125.095.N	Ø 9,5 - (3/8")
T125.100.N	Ø 10 - 9
T125.110.N	Ø 11 - 10
T125.120.N	Ø 12 - 11
T125.127.N	Ø 12,7 - (1/2")
T125.130.N	Ø 13 - 12
T125.140.N	Ø 14 - 13
T125.159.N	Ø 15,9 - (5/8")
T125.160.N	Ø 16 - 15

**SPRING COLLET SET ER25 - DIN 6499**

ART. X125



- Complete with 14 pcs  
- In wooden Box

Item	Diameters:
X125.014.N	Ø3 - Ø4 - Ø5 - Ø6 - Ø7 - Ø8 - Ø9 Ø10 - Ø11 - Ø12 - Ø13 - Ø14 - Ø15 - Ø16

### SPRING COLLETS ER 16 - DIN 6499

ART. T127

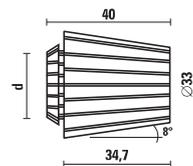


Precision= 0,01

Item	d
T127.020.N	Ø 2 - 1
T127.030.N	Ø 3 - 2
T127.032.N	Ø 3,2 - (1/8")
T127.040.N	Ø 4 - 3
T127.050.N	Ø 5 - 4
T127.060.N	Ø 6 - 5
T127.064.N	Ø 6,4 - (1/4")
T127.070.N	Ø 7 - 6
T127.080.N	Ø 8 - 7
T127.090.N	Ø 9 - 8
T127.095.N	Ø 9,5 - (3/8")
T127.100.N	Ø 10 - 9

### SPRING COLLETS ETS 32 - DIN 6499

ART. T134

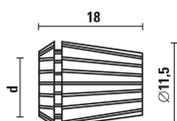


Precision= 0,01

Item	d
T134.030.N	Ø 3 - 2
T134.040.N	Ø 4 - 3
T134.050.N	Ø 5 - 4
T134.060.N	Ø 6 - 5
T134.070.N	Ø 7 - 6
T134.080.N	Ø 8 - 7
T134.100.N	Ø 10 - 9
T134.120.N	Ø 12 - 11
T134.130.N	Ø 13 - 12
T134.140.N	Ø 14 - 13
T134.160.N	Ø 16 - 15
T134.180.N	Ø 18 - 17
T134.200.N	Ø 20 - 19

### SPRING COLLETS ER 11 - DIN 6499

ART. T129

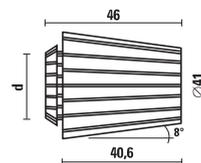


Precision= 0,01

Item	d
T129.010.N	Ø 1-0,5
T129.015.N	Ø 1,5-1
T129.020.N	Ø 2-1,5
T129.025.N	Ø 2,5-2
T129.030.N	Ø 3-2,5
T129.035.N	Ø 3,5-3
T129.040.N	Ø 4-3,5
T129.045.N	Ø 4,5-4
T129.050.N	Ø 5-4,5
T129.055.N	Ø 5,5-5
T129.060.N	Ø 6-5,5
T129.065.N	Ø 6,5-6
T129.070.N	Ø 7-6,5

### SPRING COLLETS ETS 40 - DIN 6499

ART. T135

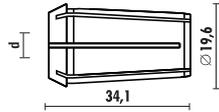


Precision= 0,01

Item	d
T135.040.N	Ø 4 - 3
T135.050.N	Ø 5 - 4
T135.060.N	Ø 6 - 5
T135.070.N	Ø 7 - 6
T135.080.N	Ø 8 - 7
T135.100.N	Ø 10 - 9
T135.120.N	Ø 12 - 11
T135.130.N	Ø 13 - 12
T135.140.N	Ø 14 - 13
T135.160.N	Ø 16 - 15
T135.180.N	Ø 18 - 17
T135.200.N	Ø 20 - 19
T135.250.N	Ø 25 - 24

### SPRING COLLETS EOC12 - DIN 6388 (407E)

ART. T136

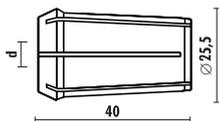


- To be used with Art. T118.580.R  
- Precision= 0,01

Item	d
T136.040.N <b>NEW</b>	Ø 4 - 3
T136.060.N <b>NEW</b>	Ø 6 - 5
T136.064.N <b>NEW</b>	Ø 6,4 - (1/4")
T136.080.N <b>NEW</b>	Ø 8 - 7
T136.095.N <b>NEW</b>	Ø 9,5 - (3/8")
T136.100.N <b>NEW</b>	Ø 10 - 9
T136.120.N <b>NEW</b>	Ø 12 - 11
T136.127.N <b>NEW</b>	Ø 12,7 - (1/2")

### SPRING COLLETS EOC16 - DIN 6388 (415E)

ART. T138



- Precision= 0,01

Item	d
T138.040.N <b>NEW</b>	Ø 4 - 3
T138.060.N <b>NEW</b>	Ø 6 - 5
T138.064.N <b>NEW</b>	Ø 6,4 - (1/4")
T138.080.N <b>NEW</b>	Ø 8 - 7
T138.095.N <b>NEW</b>	Ø 9,5 - (3/8")
T138.100.N <b>NEW</b>	Ø 10 - 9
T138.120.N <b>NEW</b>	Ø 12 - 11
T138.127.N <b>NEW</b>	Ø 12,7 - (1/2")

### SPRING COLLET SET + WIPE OFF KIT



The **wipe off set** allows maintaining the inside as well as the seat of the spring collet on the chuck clean, helps increasing cutting efficiency and reduce vibrations for a longer tool life. No more risk of wrong positioning of both the collet and the tool due to chips and resin.

- In plastic box

- **Set complete with:**  
nr. 10 spring collets  
Collet wipers  
Brushes for collet bore

Item	
 X125.515.N	Set complete with <b>10 spring collets ER25:</b> Ø3 - Ø4 - Ø5 - Ø6 - Ø7 Ø8 - Ø10 - Ø12 - Ø14 - Ø16

	T137.525.N - Collet wipers ER25
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	X137.004.N - nr. 4 brushes for collet bore ER25
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Item	
 X119.515.N	Set complete with <b>10 spring collets ER32:</b> Ø4 - Ø5 - Ø6 - Ø8 - Ø10 - Ø12 - Ø14 - Ø16 - Ø18 - Ø20

	T137.532N - Collet wipers ER32
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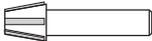
	X137.004.N - nr. 4 brushes for collet bore ER32
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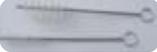
Item	
 X123.515.N	Set complete with <b>10 spring collets ER40:</b> Ø4 - Ø6 - Ø8 - Ø10 - Ø12 - Ø14 - Ø16 - Ø18 - Ø20 - Ø25

	T137.540N - Collet wipers ER40
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	X137.004.N - nr. 4 brushes for collet bore ER40
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Item	
 X124.515.N	Set complete with <b>10 spring collets DIN6388:</b> Ø4 - Ø6 - Ø8 - Ø10 - Ø12 - Ø14 - Ø16 - Ø18 - Ø20 - Ø25

	T137.662N - Collet wipers DIN6388-EOC25
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	X137.004.N - nr. 4 brushes for collet bore DIN6388-EOC25
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