

# CONTENTS

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## General product information

Please refer to general catalog - K055-K158.

- DIN69871 .....	K055	- BT MAS .....	K090
- HSK A/E .....	K070	- DIN2080 .....	K107

## Added products



### ER11 spring collets

Improved clamping performance of ER11 spring collets

[View](#)



### ER rubber sealed spring collets

Improved clamping performance of new ER sealed spring collets

[View](#)



# TUNGHOLD

Tungaloy Report No. 389S1-G

## Improved clamping performance of ER spring collets





## ER spring collets with improved clamping performance

- New ER11, ER16, ER20, ER25 spring collet clamping range has been reduced from 1 mm to 0.5 mm, in order to comply with the DIN6499 / ISO15488-B standard

- Special coating to increase wear resistance and improve corrosion protection
- High surface finish to guarantee consistent repeatability and prolonged runout

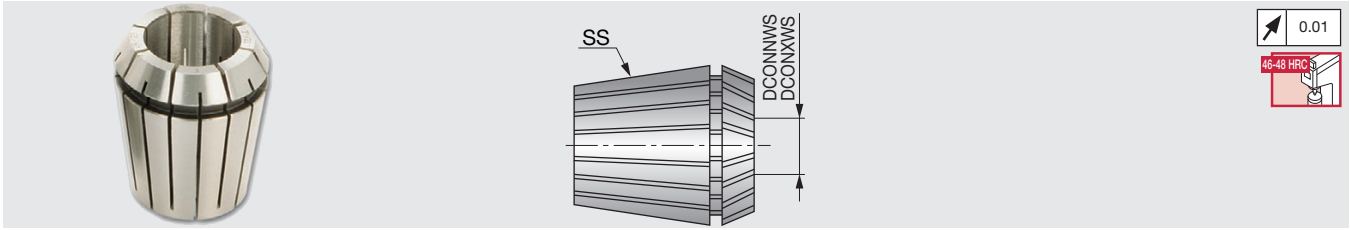
### Advantages

- Increased rigidity
- Higher accuracy
- Better clamping force
- Consistent repeatability



# ER-SPR

ER spring collets (Metric, DIN6499)



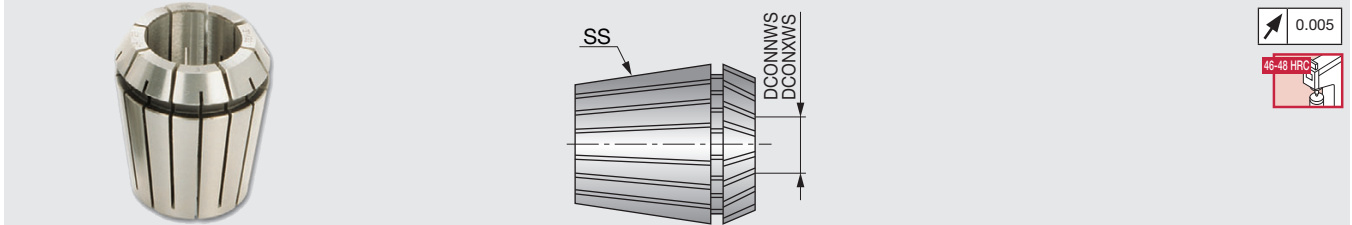
	Designation	SS	DCONNWS	DCONXWS	Designation	SS	DCONNWS	DCONXWS
	ER11SPR0.5-1.0	ER11	0.5	1	ER32SPR2-3	ER32	2	3
<b>New</b>	ER11SPR1.0-1.5	ER11	1	1.5	ER32SPR3-4	ER32	3	4
<b>New</b>	ER11SPR1.5-2.0	ER11	1.5	2	ER32SPR4-5	ER32	4	5
<b>New</b>	ER11SPR2.0-2.5	ER11	2	2.5	ER32SPR5-6	ER32	5	6
<b>New</b>	ER11SPR2.5-3.0	ER11	2.5	3	ER32SPR6-7	ER32	6	7
<b>New</b>	ER11SPR3.0-3.5	ER11	3	3.5	ER32SPR7-8	ER32	7	8
<b>New</b>	ER11SPR3.5-4.0	ER11	3.5	4	ER32SPR8-9	ER32	8	9
<b>New</b>	ER11SPR4.0-4.5	ER11	4	4.5	ER32SPR9-10	ER32	9	10
<b>New</b>	ER11SPR4.5-5.0	ER11	4.5	5	ER32SPR10-11	ER32	10	11
<b>New</b>	ER11SPR5.0-5.5	ER11	5	5.5	ER32SPR11-12	ER32	11	12
<b>New</b>	ER11SPR5.5-6.0	ER11	5.5	6	ER32SPR12-13	ER32	12	13
<b>New</b>	ER11SPR6.0-6.5	ER11	6	6.5	ER32SPR13-14	ER32	13	14
<b>New</b>	ER11SPR6.5-7.0	ER11	6.5	7	ER32SPR14-15	ER32	14	15
	ER16SPR0.5-1	ER16	0.5	1	ER32SPR15-16	ER32	15	16
<b>New</b>	ER16SPR1-1.5	ER16	1	1.5	ER32SPR16-17	ER32	16	17
<b>New</b>	ER16SPR1.5-2	ER16	1.5	2	ER32SPR17-18	ER32	17	18
	ER16SPR2-3 (*)	ER16	2	3.1	ER32SPR18-19	ER32	18	19
	ER16SPR3-4 (*)	ER16	3.2	4	ER32SPR19-20	ER32	19	20
	ER16SPR4-5	ER16	4	5	ER40SPR3-4	ER40	3	4
	ER16SPR5-6	ER16	5	6	ER40SPR4-5	ER40	4	5
	ER16SPR6-7	ER16	6	7	ER40SPR5-6	ER40	5	6
	ER16SPR7-8	ER16	7	8	ER40SPR6-7	ER40	6	7
	ER16SPR8-9	ER16	8	9	ER40SPR7-8	ER40	7	8
	ER16SPR9-10	ER16	9	10	ER40SPR8-9	ER40	8	9
<b>New</b>	ER20SPR1-1.5	ER20	1	1.5	ER40SPR9-10	ER40	9	10
<b>New</b>	ER20SPR1.5-2	ER20	1.5	2	ER40SPR10-11	ER40	10	11
	ER20SPR2-3	ER20	2	3	ER40SPR11-12	ER40	11	12
	ER20SPR3-4	ER20	3	4	ER40SPR12-13	ER40	12	13
	ER20SPR4-5	ER20	4	5	ER40SPR13-14	ER40	13	14
	ER20SPR5-6	ER20	5	6	ER40SPR14-15	ER40	14	15
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	ER20SPR7-8	ER20	7	8	ER40SPR16-17	ER40	16	17
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	ER20SPR9-10	ER20	9	10	ER40SPR18-19	ER40	18	19
	ER20SPR10-11	ER20	10	11	ER40SPR19-20	ER40	19	20
	ER20SPR11-12	ER20	11	12	ER40SPR20-21	ER40	20	21
	ER20SPR12-13	ER20	12	13	ER40SPR21-22	ER40	21	22
<b>New</b>	ER25SPR1-1.5	ER25	1	1.5	ER40SPR22-23	ER40	22	23
<b>New</b>	ER25SPR1.5-2	ER25	1.5	2	ER40SPR23-24	ER40	23	24
	ER25SPR2-3	ER25	2	3	ER40SPR24-25	ER40	24	25
	ER25SPR3-4	ER25	3	4	ER40SPR25-26	ER40	25	26
	ER25SPR4-5	ER25	4	5	ER50SPR10-12	ER50	10	12
	ER25SPR5-6	ER25	5	6	ER50SPR12-14	ER50	12	14
	ER25SPR6-7	ER25	6	7	ER50SPR14-16	ER50	14	16
	ER25SPR7-8	ER25	7	8	ER50SPR16-18	ER50	16	18
	ER25SPR8-9	ER25	8	9	ER50SPR18-20	ER50	18	20
	ER25SPR9-10	ER25	9	10	ER50SPR20-22	ER50	20	22
	ER25SPR10-11	ER25	10	11	ER50SPR22-24	ER50	22	24
	ER25SPR11-12	ER25	11	12	ER50SPR24-26	ER50	24	26
	ER25SPR12-13	ER25	12	13	ER50SPR26-28	ER50	26	28
	ER25SPR13-14	ER25	13	14	ER50SPR28-30	ER50	28	30
	ER25SPR14-15	ER25	14	15	ER50SPR30-32	ER50	30	32
	ER25SPR15-16	ER25	15	16	ER50SPR32-34	ER50	32	34

(\*) For shank diameter  $\phi 3 - \phi 3.1$  use \*ER16SPR2-3"

(Unit: mm)

## ER-SPR-AA

ER spring AA collets (Metric, DIN6499)



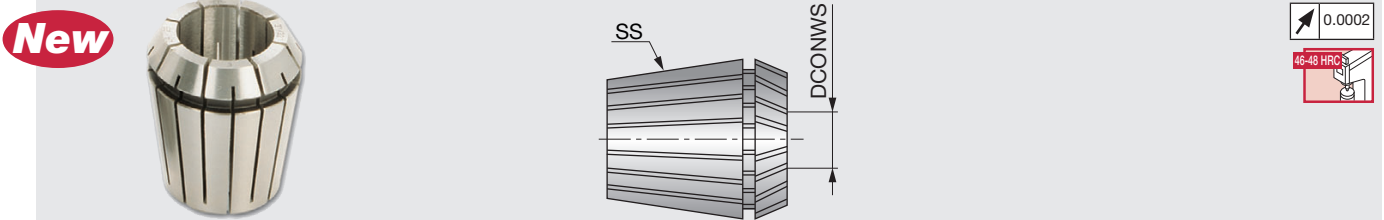
	Designation	SS	DCONNWS	DCONXWS	Designation	SS	DCONNWS	DCONXWS
	ER11SPR0.5-1.0AA	ER11	0.5	1	ER25SPR12-13AA	ER25	12	13
<b>New</b>	ER11SPR1.0-1.5AA	ER11	1	1.5	ER25SPR13-14AA	ER25	13	14
<b>New</b>	ER11SPR1.5-2.0AA	ER11	1.5	2	ER25SPR14-15AA	ER25	14	15
<b>New</b>	ER11SPR2.0-2.5AA	ER11	2	2.5	ER25SPR15-16AA	ER25	15	16
<b>New</b>	ER11SPR2.5-3.0AA	ER11	2.5	3	ER32SPR2-3AA	ER32	2	3
<b>New</b>	ER11SPR3.0-3.5AA	ER11	3	3.5	ER32SPR3-4AA	ER32	3	4
<b>New</b>	ER11SPR3.5-4.0AA	ER11	3.5	4	ER32SPR4-5AA	ER32	4	5
<b>New</b>	ER11SPR4.0-4.5AA	ER11	4	4.5	ER32SPR5-6AA	ER32	5	6
<b>New</b>	ER11SPR4.5-5.0AA	ER11	4.5	5	ER32SPR6-7AA	ER32	6	7
<b>New</b>	ER11SPR5.0-5.5AA	ER11	5	5.5	ER32SPR7-8AA	ER32	7	8
<b>New</b>	ER11SPR5.5-6.0AA	ER11	5.5	6	ER32SPR8-9AA	ER32	8	9
<b>New</b>	ER11SPR6.0-6.5AA	ER11	6	6.5	ER32SPR9-10AA	ER32	9	10
<b>New</b>	ER11SPR6.5-7.0AA	ER11	6.5	7	ER32SPR10-11AA	ER32	10	11
	ER16SPR0.5-1AA	ER16	0.5	1	ER32SPR11-12AA	ER32	11	12
<b>New</b>	ER16SPR1.5-2AA	ER16	1.5	2	ER32SPR12-13AA	ER32	12	13
	ER16SPR2-3AA (*)	ER16	2	3.1	ER32SPR13-14AA	ER32	13	14
	ER16SPR3-4AA (*)	ER16	3.2	4	ER32SPR14-15AA	ER32	14	15
	ER16SPR4-5AA	ER16	4	5	ER32SPR15-16AA	ER32	15	16
	ER16SPR5-6AA	ER16	5	6	ER32SPR16-17AA	ER32	16	17
	ER16SPR6-7AA	ER16	6	7	ER32SPR17-18AA	ER32	17	18
	ER16SPR7-8AA	ER16	7	8	ER32SPR18-19AA	ER32	18	19
	ER16SPR8-9AA	ER16	8	9	ER32SPR19-20AA	ER32	19	20
	ER16SPR9-10AA	ER16	9	10	ER40SPR3-4AA	ER40	3	4
<b>New</b>	ER20SPR1.5-2AA	ER20	1.5	2	ER40SPR4-5AA	ER40	4	5
	ER20SPR2-3AA	ER20	2	3	ER40SPR5-6AA	ER40	5	6
	ER20SPR3-4AA	ER20	3	4	ER40SPR6-7AA	ER40	6	7
	ER20SPR4-5AA	ER20	4	5	ER40SPR7-8AA	ER40	7	8
	ER20SPR5-6AA	ER20	5	6	ER40SPR8-9AA	ER40	8	9
	ER20SPR6-7AA	ER20	6	7	ER40SPR9-10AA	ER40	9	10
	ER20SPR7-8AA	ER20	7	8	ER40SPR10-11AA	ER40	10	11
	ER20SPR8-9AA	ER20	8	9	ER40SPR11-12AA	ER40	11	12
	ER20SPR9-10AA	ER20	9	10	ER40SPR12-13AA	ER40	12	13
	ER20SPR10-11AA	ER20	10	11	ER40SPR13-14AA	ER40	13	14
	ER20SPR11-12AA	ER20	11	12	ER40SPR14-15AA	ER40	14	15
	ER20SPR12-13AA	ER20	12	13	ER40SPR15-16AA	ER40	15	16
<b>New</b>	ER25SPR1.5-2AA	ER25	1.5	2	ER40SPR16-17AA	ER40	16	17
	ER25SPR2-3AA	ER25	2	3	ER40SPR17-18AA	ER40	17	18
	ER25SPR3-4AA	ER25	3	4	ER40SPR18-19AA	ER40	18	19
	ER25SPR4-5AA	ER25	4	5	ER40SPR19-20AA	ER40	19	20
	ER25SPR5-6AA	ER25	5	6	ER40SPR20-21AA	ER40	20	21
	ER25SPR6-7AA	ER25	6	7	ER40SPR21-22AA	ER40	21	22
	ER25SPR7-8AA	ER25	7	8	ER40SPR22-23AA	ER40	22	23
	ER25SPR8-9AA	ER25	8	9	ER40SPR23-24AA	ER40	23	24
	ER25SPR9-10AA	ER25	9	10	ER40SPR24-25AA	ER40	24	25
	ER25SPR10-11AA	ER25	10	11	ER40SPR25-26AA	ER40	25	26
	ER25SPR11-12AA	ER25	11	12				

(\*) For shank diameter  $\phi 3 - \phi 3.1$  use "ER16SPR2-3AA"

(Unit: mm)

## ER-EX-AA

ER spring AA collets (Inch, DIN6499)

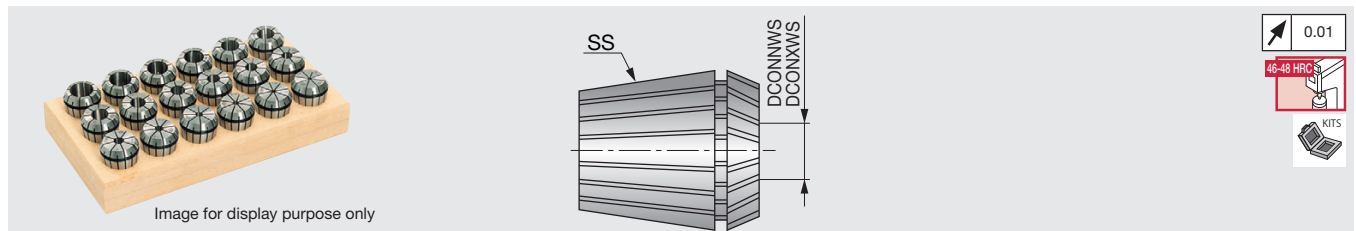


Designation	SS	DCONWS	Designation	SS	DCONWS
ER11EX.1/16AA	ER11	0.062	ER11EX.3/16AA	ER11	0.187
ER11EX.3/32AA	ER11	0.094	ER11EX.7/32AA	ER11	0.219
ER11EX.1/8AA	ER11	0.125	ER11EX.1/4AA	ER11	0.25
ER11EX.5/32AA	ER11	0.156			

(Unit: Inch)

## SET-ER-SPR

Set of ER spring collets (Metric, DIN6499)

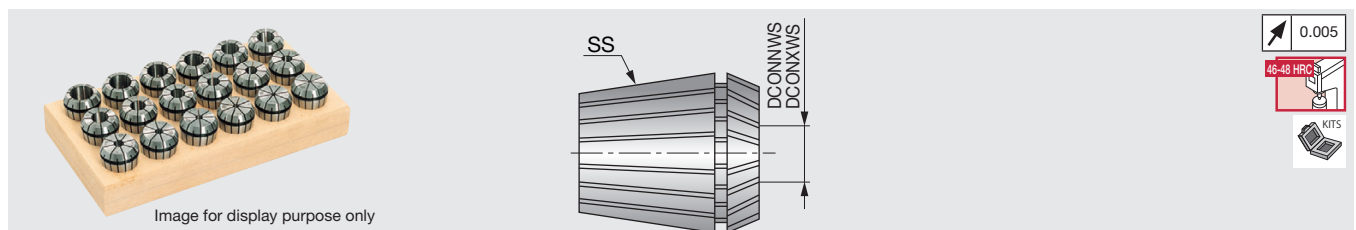


Designation	SS	Qty	DCONNWS	DCONXWS
<b>New</b> SETER11SPR13	ER11	13	0.5	7
SETER16SPR10	ER16	10	0.5	10
SETER20SPR12	ER20	12	1	13
SETER25SPR15	ER25	15	1	16
SETER32SPR18	ER32	18	2	20
SETER40SPR23	ER40	23	3	26
SETER50SPR12	ER50	12	10	34

(Unit: mm)

## SET-ER-SPR-AA

Set of ER spring AA collets (Metric, DIN6499)



Designation	SS	Qty	DCONNWS	DCONXWS
<b>New</b> SETER11SPR13AA	ER11	13	0.5	7
SETER16SPR10AA	ER16	10	0.5	10
SETER20SPR12AA	ER20	12	1	13
SETER25SPR15AA	ER25	15	1	16
SETER32SPR18AA	ER32	18	2	20
SETER40SPR23AA	ER40	23	3	26

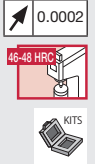
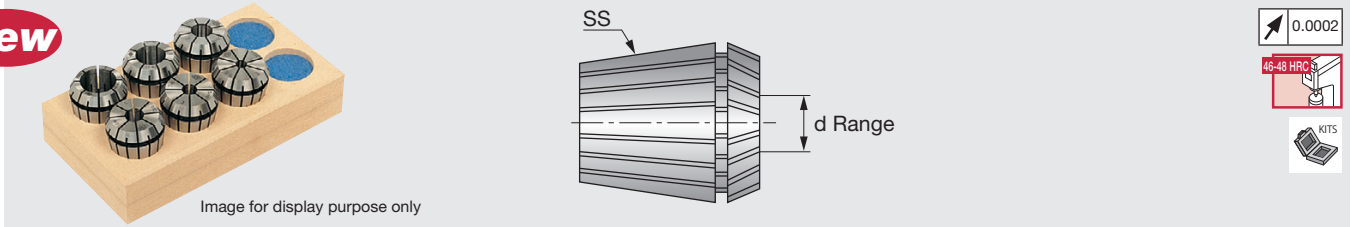
(Unit: mm)

# TUNGHOLD

## SET-ER-EX-SPR-AA

Set of ER spring AA collets, for endmills (Inch, DIN6499)

**New**

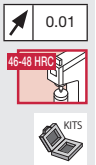
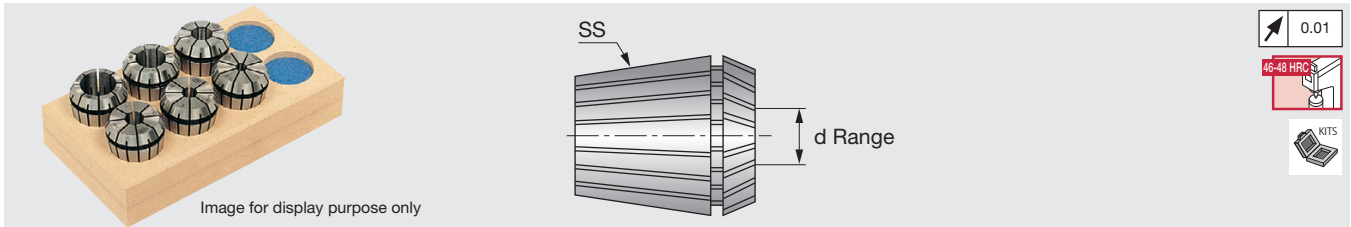


Designation	SS	Qty	Range
SETER11SPREX.AA1NCH	ER11	5	1/8, 5/32, 3/16, 7/32, 1/4

(Unit: Inch)

## SET-ER-SPR-EM

Set of ER spring collets, for endmills (Metric, DIN6499)



Designation	SS	Qty	Range
<b>New</b> SETER11SPR7EM	ER11	7	1, 2, 3, 4, 5, 6, 7
SETER16SPR8EM	ER11	8	3, 4, 5, 6, 7, 8, 9, 10
SETER20SPR5EM	ER11	5	4, 6, 8, 10, 12
SETER25SPR6EM	ER11	6	4, 6, 8, 10, 12, 16
SETER32SPR6EM	ER11	6	6, 8, 10, 12, 20
SETER40SPR7EM	ER11	7	6, 8, 10, 12, 20, 25

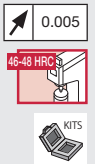
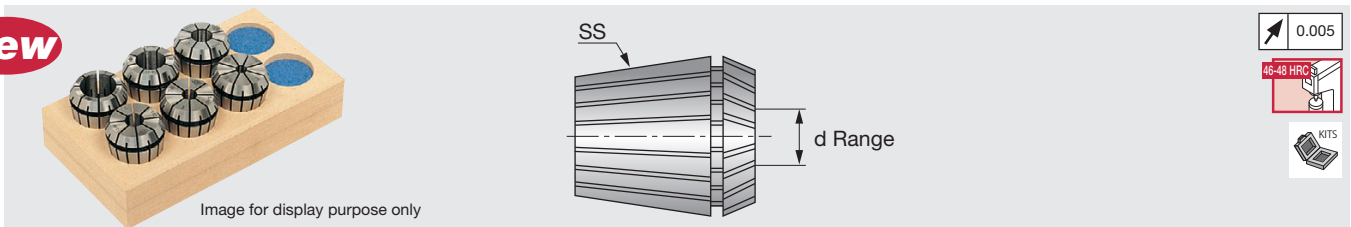
Contains popular endmill sizes only.

(Unit: mm)

## SET-ER-SPR-EM-AA

Set of ER spring AA collets, for endmills (Inch, DIN6499)

**New**



Designation	SS	Qty	Range
SETER11SPR7EMAA	ER11	7	1, 2, 3, 4, 5, 6, 7

(Unit: Inch)





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# TUNGHOLD

Tungaloy Report No. 389S2-G

## ER sealed spring collets with 4 coolant outlets for improved chip evacuation and tool life





## The new ER collets are the best option for round tools without internal coolant holes

- 4 coolant holes with optimal coolant direct to the flute and cutting edges.
- High surface finish of the center hole to guarantee consistent and higher accuracy (low runout).
- Special coating for improved corrosion protection and prolonged tool life combined with better clamping forces.

### Advantages

- Increased rigidity
- Higher accuracy
- Better clamping force
- Consistent repeatability



**New**

### ER-SEAL-AA-JET

For tools with no coolant hole



With angular four nozzles. Coolant flow is direct to the cutting edge - for use with standard straight shank cutting tools (without coolant hole).

### ER-SEAL-AA

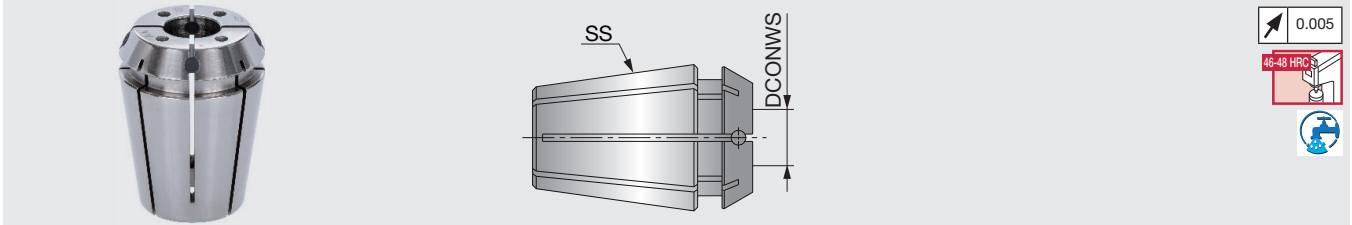
For tools with coolant hole



For straight shank cutting tools with internal coolant supply.

**New****ER-SEAL-AAJET**

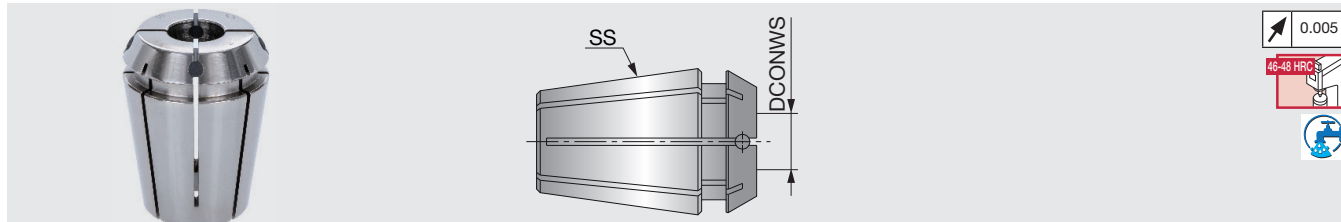
ER sealed spring collets (metric)



Designation	SS	DCONWS	Designation	SS	DCONWS
ER16SEAL4AAJET	ER16	4	ER25SEAL16AAJET	ER25	16
ER16SEAL5AAJET	ER16	5	ER32SEAL4AAJET	ER32	4
ER16SEAL6AAJET	ER16	6	ER32SEAL5AAJET	ER32	5
ER16SEAL7AAJET	ER16	7	ER32SEAL6AAJET	ER32	6
ER16SEAL8AAJET	ER16	8	ER32SEAL7AAJET	ER32	7
ER16SEAL9AAJET	ER16	9	ER32SEAL8AAJET	ER32	8
ER16SEAL10AAJET	ER16	10	ER32SEAL9AAJET	ER32	9
ER20SEAL4AAJET	ER20	4	ER32SEAL10AAJET	ER32	10
ER20SEAL5AAJET	ER20	5	ER32SEAL11AAJET	ER32	11
ER20SEAL6AAJET	ER20	6	ER32SEAL12AAJET	ER32	12
ER20SEAL7AAJET	ER20	7	ER32SEAL13AAJET	ER32	13
ER20SEAL8AAJET	ER20	8	ER32SEAL14AAJET	ER32	14
ER20SEAL9AAJET	ER20	9	ER32SEAL15AAJET	ER32	15
ER20SEAL10AAJET	ER20	10	ER32SEAL16AAJET	ER32	16
ER20SEAL11AAJET	ER20	11	ER32SEAL17AAJET	ER32	17
ER20SEAL12AAJET	ER20	12	ER32SEAL18AAJET	ER32	18
ER25SEAL4AAJET	ER25	4	ER32SEAL19AAJET	ER32	19
ER25SEAL5AAJET	ER25	5	ER32SEAL20AAJET	ER32	20
ER25SEAL6AAJET	ER25	6	ER40SEAL6AAJET	ER40	6
ER25SEAL7AAJET	ER25	7	ER40SEAL8AAJET	ER40	8
ER25SEAL8AAJET	ER25	8	ER40SEAL10AAJET	ER40	10
ER25SEAL9AAJET	ER25	9	ER40SEAL12AAJET	ER40	12
ER25SEAL10AAJET	ER25	10	ER40SEAL14AAJET	ER40	14
ER25SEAL11AAJET	ER25	11	ER40SEAL16AAJET	ER40	16
ER25SEAL12AAJET	ER25	12	ER40SEAL18AAJET	ER40	18
ER25SEAL13AAJET	ER25	13	ER40SEAL20AAJET	ER40	20
ER25SEAL14AAJET	ER25	14	ER40SEAL22AAJET	ER40	22
ER25SEAL15AAJET	ER25	15	ER40SEAL25AAJET	ER40	25

## ER-SEAL-AA

ER sealed spring collets (metric)

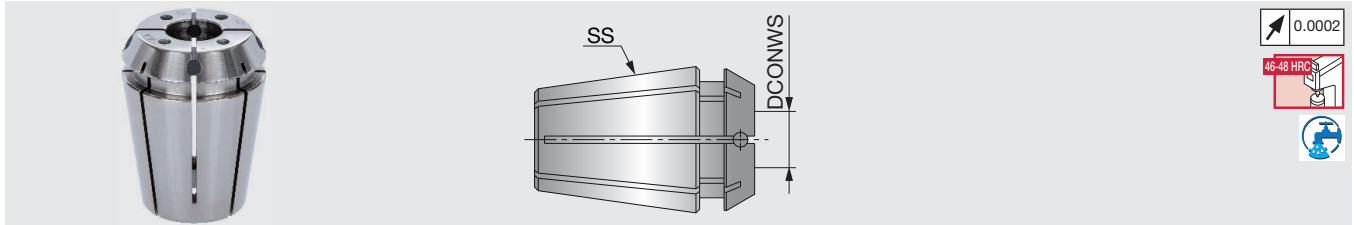


Designation	SS	DCONWS	Designation	SS	DCONWS
ER11SEAL3AA	ER11	3	ER25SEAL14AA	ER25	14
ER11SEAL4AA	ER11	4	ER25SEAL15AA	ER25	15
ER11SEAL5AA	ER11	5	ER25SEAL16AA	ER25	16
ER11SEAL6AA	ER11	6	ER32SEAL4AA	ER32	4
ER16SEAL4AA	ER16	4	ER32SEAL5AA	ER32	5
ER16SEAL5AA	ER16	5	ER32SEAL6AA	ER32	6
ER16SEAL6AA	ER16	6	ER32SEAL7AA	ER32	7
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ER16SEAL9AA	ER16	9	ER32SEAL10AA	ER32	10
ER16SEAL10AA	ER16	10	ER32SEAL11AA	ER32	11
ER20SEAL4AA	ER20	4	ER32SEAL12AA	ER32	12
ER20SEAL5AA	ER20	5	ER32SEAL13AA	ER32	13
ER20SEAL6AA	ER20	6	ER32SEAL14AA	ER32	14
ER20SEAL7AA	ER20	7	ER32SEAL15AA	ER32	15
ER20SEAL8AA	ER20	8	ER32SEAL16AA	ER32	16
ER20SEAL9AA	ER20	9	ER32SEAL17AA	ER32	17
ER20SEAL10AA	ER20	10	ER32SEAL18AA	ER32	18
ER20SEAL11AA	ER20	11	ER32SEAL19AA	ER32	19
ER20SEAL12AA	ER20	12	ER32SEAL20AA	ER32	20
ER25SEAL4AA	ER25	4	ER40SEAL6AA	ER40	6
ER25SEAL5AA	ER25	5	ER40SEAL8AA	ER40	8
ER25SEAL6AA	ER25	6	ER40SEAL10AA	ER40	10
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ER25SEAL9AA	ER25	9	ER40SEAL16AA	ER40	16
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ER25SEAL11AA	ER25	11	ER40SEAL20AA	ER40	20
ER25SEAL12AA	ER25	12	ER40SEAL22AA	ER40	22
ER25SEAL13AA	ER25	13	ER40SEAL25AA	ER40	25



**New****ER-SEAL-AAJET**

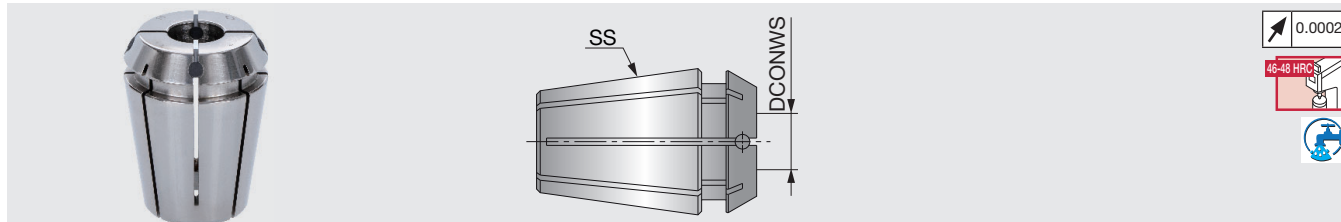
ER sealed spring collets (inch)



Designation	SS	DCONWS	Designation	SS	DCONWS
ER16SEAL1/8AAJET	ER16	0.125	ER25SEAL5/8AAJET	ER25	0.625
ER16SEAL3/16AAJET	ER16	0.188	ER32SEAL1/8AAJET	ER32	0.125
ER16SEAL1/4AAJET	ER16	0.250	ER32SEAL3/16AAJET	ER32	0.188
ER16SEAL5/16AAJET	ER16	0.313	ER32SEAL1/4AAJET	ER32	0.250
ER16SEAL3/8AAJET	ER16	0.375	ER32SEAL5/16AAJET	ER32	0.313
ER20SEAL1/8AAJET	ER20	0.125	ER32SEAL3/8AAJET	ER32	0.375
ER20SEAL3/16AAJET	ER20	0.188	ER32SEAL7/16AAJET	ER32	0.438
ER20SEAL1/4AAJET	ER20	0.250	ER32SEAL1/2AAJET	ER32	0.500
ER20SEAL5/16AAJET	ER20	0.313	ER32SEAL9/16AAJET	ER32	0.563
ER20SEAL3/8AAJET	ER20	0.375	ER32SEAL5/8AAJET	ER32	0.625
ER20SEAL7/16AAJET	ER20	0.438	ER32SEAL11/16AAJET	ER32	0.688
ER20SEAL1/2AAJET	ER20	0.500	ER32SEAL3/4AAJET	ER32	0.750
ER25SEAL1/8AAJET	ER25	0.125	ER40SEAL1/4AAJET	ER40	0.250
ER25SEAL3/16AAJET	ER25	0.188	ER40SEAL3/8AAJET	ER40	0.375
ER25SEAL1/4AAJET	ER25	0.250	ER40SEAL1/2AAJET	ER40	0.500
ER25SEAL5/16AAJET	ER25	0.313	ER40SEAL5/8AAJET	ER40	0.625
ER25SEAL3/8AAJET	ER25	0.375	ER40SEAL3/4AAJET	ER40	0.750
ER25SEAL7/16AAJET	ER25	0.438	ER40SEAL1AAJET	ER40	1.000
ER25SEAL1/2AAJET	ER25	0.500			
ER25SEAL9/16AAJET	ER25	0.563			

## ER-SEAL-AA

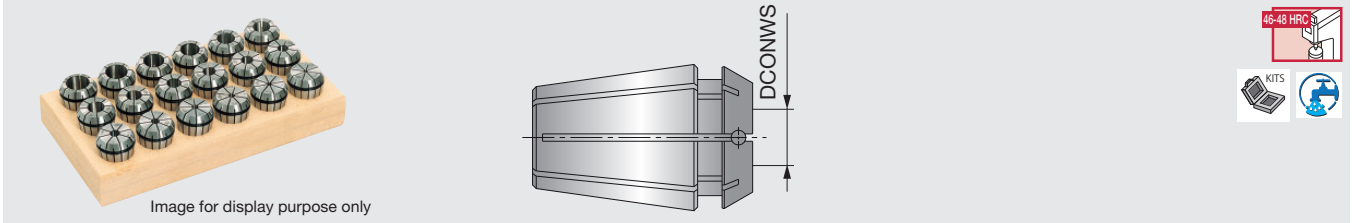
ER sealed spring collets (inch)



Designation	SS	DCONWS	Designation	SS	DCONWS
ER11SEAL1/4AA	ER11	0.250	ER25SEAL9/16AA	ER25	0.563
ER11SEAL1/8AA	ER11	0.125	ER25SEAL5/8AA	ER25	0.625
ER11SEAL3/16AA	ER11	0.188	ER32SEAL1/8AA	ER32	0.125
ER16SEAL1/8AA	ER16	0.125	ER32SEAL3/16AA	ER32	0.188
ER16SEAL3/16AA	ER16	0.188	ER32SEAL1/4AA	ER32	0.250
ER16SEAL1/4AA	ER16	0.250	ER32SEAL5/16AA	ER32	0.313
ER16SEAL5/16AA	ER16	0.313	ER32SEAL3/8AA	ER32	0.375
ER16SEAL3/8AA	ER16	0.375	ER32SEAL7/16AA	ER32	0.438
ER20SEAL1/8AA	ER20	0.125	ER32SEAL1/2AA	ER32	0.500
ER20SEAL3/16AA	ER20	0.188	ER32SEAL9/16AA	ER32	0.563
ER20SEAL1/4AA	ER20	0.250	ER32SEAL5/8AA	ER32	0.625
ER20SEAL5/16AA	ER20	0.313	ER32SEAL11/16AA	ER32	0.688
ER20SEAL3/8AA	ER20	0.375	ER32SEAL3/4AA	ER32	0.750
ER20SEAL7/16AA	ER20	0.438	ER40SEAL1/4AA	ER40	0.125
ER20SEAL1/2AA	ER20	0.500	ER40SEAL3/8AA	ER40	0.375
ER25SEAL1/8AA	ER25	0.125	ER40SEAL1/2AA	ER40	0.500
ER25SEAL3/16AA	ER25	0.188	ER40SEAL5/8AA	ER40	0.625
ER25SEAL1/4AA	ER25	0.250	ER40SEAL3/4AA	ER40	0.750
ER25SEAL5/16AA	ER25	0.313	ER40SEAL1AA	ER40	1.000
ER25SEAL3/8AA	ER25	0.375			
ER25SEAL7/16AA	ER25	0.438			
ER25SEAL1/2AA	ER25	0.500			

**New****SETER-SEAL-AAJET**

SET ER sealed spring collets

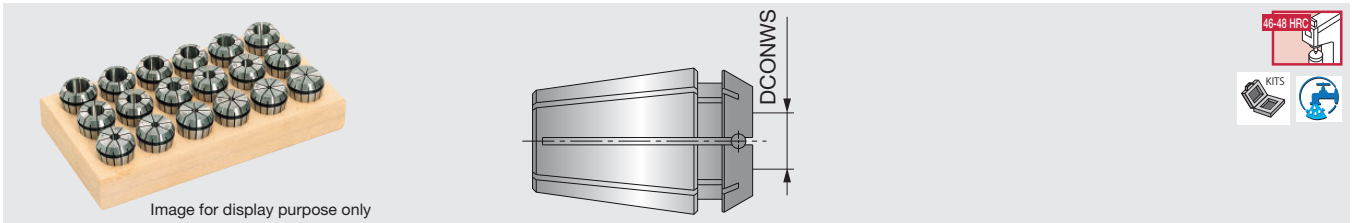


Designation	Qty	DCONNWS	DCONXWS
SETER16SEAL7AAJET	7	4	10
SETER20SEAL9AAJET	9	4	12
SETER25SEAL13AAJET	13	4	16
SETER32SEAL17AAJET	17	4	20
SETER40SEAL10AAJET	10	6	25
SETER16S5AAJETINCH*	5	1/8*	3/8*
SETER20S7AAJETINCH*	7	1/8*	1/2*
SETER25S9AAJETINCH*	9	1/8*	5/8*
SETER32S11AAJETINCH*	11	1/8*	3/4*
SETER40S6AAJETINCH*	6	1/4*	1*

\*inch

**SETER-SEAL-AA**

SET ER sealed spring collets



Designation	Qty	DCONNWS	DCONXWS
SETER16SEAL7AA	7	4	10
SETER20SEAL9AA	9	4	12
SETER25SEAL13AA	13	4	16
SETER32SEAL17AA	17	4	20
SETER40SEAL10AA	10	6	25
SETER16SEAL5AAINCH*	5	1/8*	3/8*
SETER20SEAL7AAINCH*	7	1/8*	1/2*
SETER25SEAL9AAINCH*	9	1/8*	5/8*
SETER32SEAL11AAINCH*	11	1/8*	3/4*
SETER40SEAL6AAINCH*	6	1/4*	1*

\*inch

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