

# 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

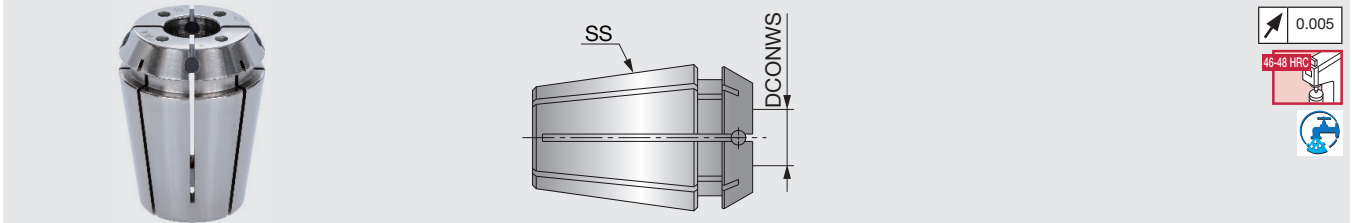
For tools with coolant hole



For straight shank cutting tools with internal coolant supply.

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

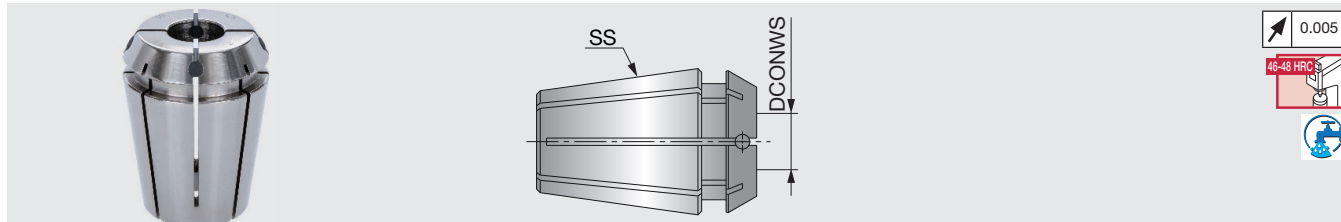
ER sealed spring collets (metric)



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
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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

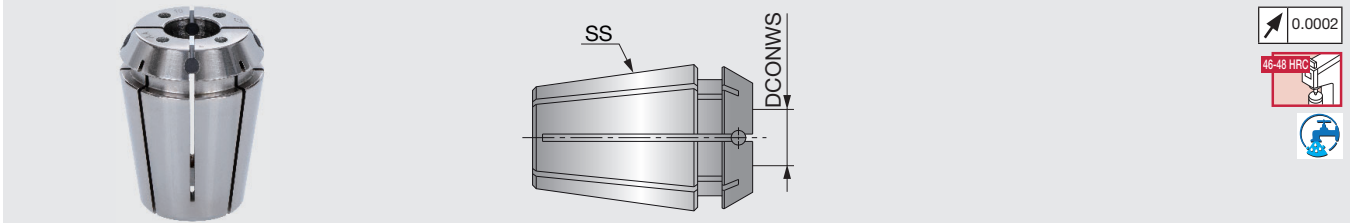
ER sealed spring collets (metric)



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
ER16SEAL7AA	ER16	7	ER32SEAL8AA	ER32	8
ER16SEAL8AA	ER16	8	ER32SEAL9AA	ER32	9
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
ER25SEAL7AA	ER25	7	ER40SEAL12AA	ER40	12
ER25SEAL8AA	ER25	8	ER40SEAL14AA	ER40	14
ER25SEAL9AA	ER25	9	ER40SEAL16AA	ER40	16
ER25SEAL10AA	ER25	10	ER40SEAL18AA	ER40	18
ER25SEAL11AA	ER25	11	ER40SEAL20AA	ER40	20
ER25SEAL12AA	ER25	12	ER40SEAL22AA	ER40	22
ER25SEAL13AA	ER25	13	ER40SEAL25AA	ER40	25

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

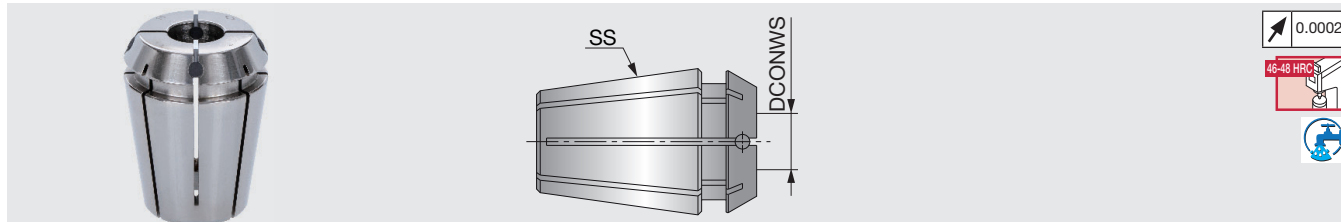
ER sealed spring collets (inch)



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)

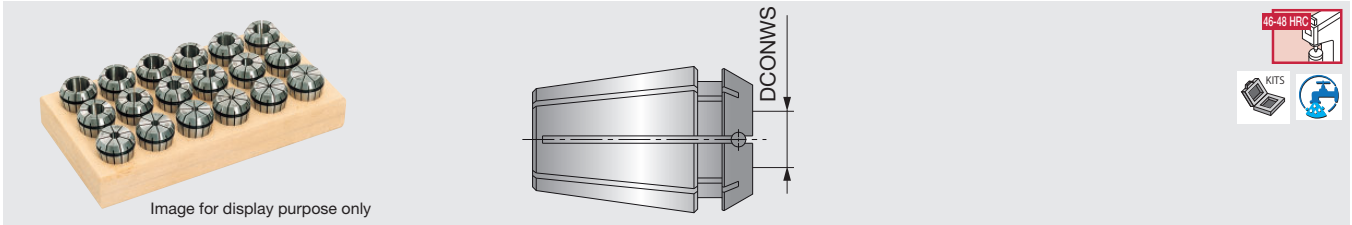


Designation	SS	DCONWS	Designation	SS	DCONWS
ER11SEAL1/4AA	ER11	0.250	ER25SEAL9/16AA	ER25	0.563
ER11SEAL1/8AA	ER11	0.125	ER25SEAL5/8AA	ER25	0.625
ER11SEAL3/16AA	ER11	0.188	ER32SEAL1/8AA	ER32	0.125
ER16SEAL1/8AA	ER16	0.125	ER32SEAL3/16AA	ER32	0.188
ER16SEAL3/16AA	ER16	0.188	ER32SEAL1/4AA	ER32	0.250
ER16SEAL1/4AA	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

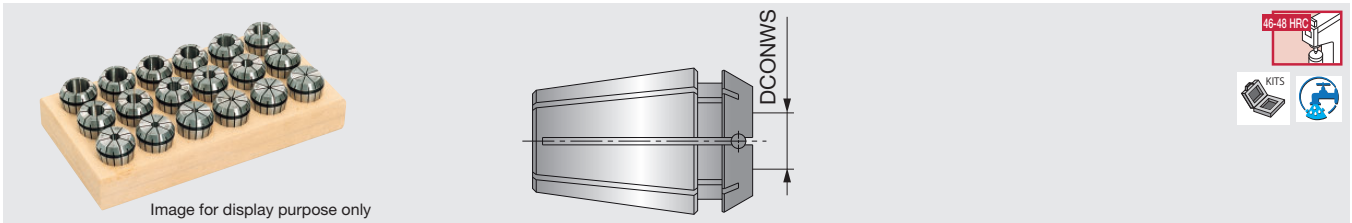


Designation	Qty	DCONNWS	DCONXWS
SETER16SEAL7AAJET	7	4	10
SETER20SEAL9AAJET	9	4	12
SETER25SEAL13AAJET	13	4	16
SETER32SEAL17AAJET	17	4	20
SETER40SEAL10AAJET	10	6	25
SETER16S5AAJETINCH*	5	1/8*	3/8*
SETER20S7AAJETINCH*	7	1/8*	1/2*
SETER25S9AAJETINCH*	9	1/8*	5/8*
SETER32S11AAJETINCH*	11	1/8*	3/4*
SETER40S6AAJETINCH*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