

REGO-FIX®

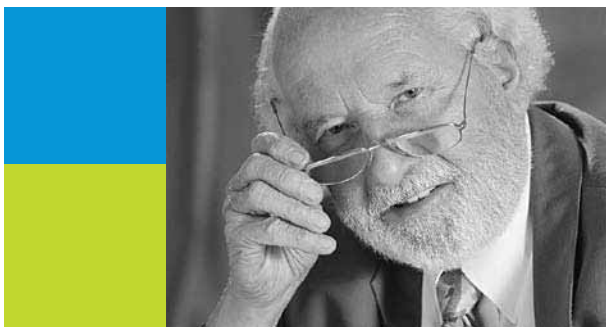


Made in
Switzerland



Swiss
Precision
Tools

REGO-FIX®
Total Tooling Systems 2011



Company founder Fritz Weber

Made in
Switzerland



Company History since 1950

The REGO-FIX company history has been strongly influenced by its founder, Fritz Weber. His innovative spirit and persistence was instrumental in making his invention, the ER collet system, a world-wide industry standard. The DIN standardization of the ER collet system was the final confirmation that Fritz Weber was on the right track with his invention. Not only is REGO-FIX AG one of the leading manufacturers of tool holding systems in the world, it also has a reputation of being one of the best.

Today

The innovative design of the patented powRgrip® colletcher system is another milestone in the history of REGO-FIX AG. Continuous investments in employees, high-tech manufacturing facilities and product developments have made REGO-FIX AG a leader in high-precision toolholding systems.

Location

The Jura region in North Western Switzerland has long been famous for its watch making industry and its production of precision mechanical products. It's here, in the village of Tenniken, where REGO-FIX® products are manufactured and distributed worldwide.

International

Company sales organizations in the US, China and Germany along with a world wide network of manufacturer representatives complete the REGO-FIX® global distribution system.

Behind every Product Stand Experienced People

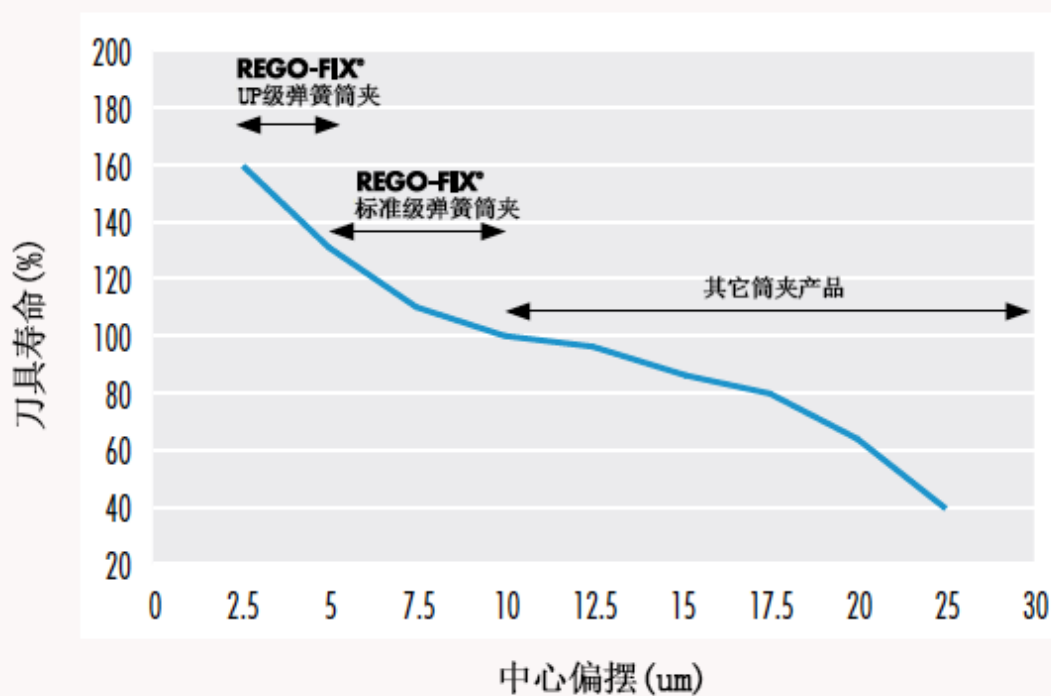
An innovative spirit within REGO-FIX AG encourages continuous improvement of existing products and the development of new ones. Motivated, well-trained employees with years of experience, represent «Swiss Quality». Their knowledge, experience and skills are put to use in the new and modern REGO-FIX® manufacturing facility.

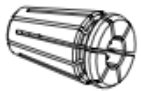
ER弹性筒夹



- 瑞士制造
- 世界标准ER筒夹原创者
- 清楚标示型号规格
- 认证过的△记号
- 夹持范围广
- 全世界最通用的筒夹刀柄系统
- 可用于钻孔、铣削、铰孔、攻丝和研磨
- REGO-FIX筒夹、刀柄、螺帽与扳手具有最好的搭配性

中心偏摆 (T. I. R.) 对刀具寿命的影响



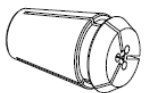


ER 8标准型 ER 8-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER8 产品编号	ER8-UP 产品编号
mm	inch			
1.00 - 0.50*	0.0394 - 0.0197	1/32"	1108.01000	1108.01001
1.50 - 1.00*	0.0591 - 0.0394	-	1108.01500	1108.01501
2.00 - 1.50*	0.0787 - 0.0591	1/16"	1108.02000	1108.02001
2.50 - 2.00*	0.0984 - 0.0787	3/32"	1108.02500	1108.02501
3.00 - 2.50*	0.1181 - 0.0984	-	1108.03000	1108.03001
3.50 - 3.00*	0.1378 - 0.1181	1/8"	1108.03500	1108.03501
4.00 - 3.50*	0.1575 - 0.1378	5/32"	1108.04000	1108.04001
4.50 - 4.00*	0.1772 - 0.1575	-	1108.04500	1108.04501
5.00 - 4.50*	0.1969 - 0.1772	3/16"	1108.05000	1108.05001

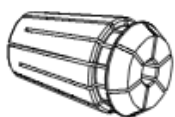
- ER8跳动精度 ≤ 0.01 mm
- ER8-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



ER8-MB微小径型

夹持范围		ER8-MB 产品编号
mm	inch	
0.2	0.0079	1308.00200
0.3	0.0118	1308.00300
0.4	0.0157	1308.00400
0.5	0.0197	1308.00500
0.6	0.0236	1308.00600
0.7	0.0276	1308.00700
0.8	0.0315	1308.00800
0.9	0.0354	1308.00900

- ER8-MB跳动精度 ≤ 0.006 m
- 夹持1 mm以下刀具
- 刀具柄径容许误差在h7以内
- *为整组所含的弹性筒夹



ER11标准型
ER11-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER11 产品编号	ER11-UP 产品编号
mm	inch			
1.00 - 0.50*	0.0394 - 0.0197	1/32"	1111.01000	1111.01001
1.50 - 1.00*	0.0591 - 0.0394	-	1111.01500	1111.01501
2.00 - 1.50*	0.0787 - 0.0591	1/16"	1111.02000	1111.02001
2.50 - 2.00*	0.0984 - 0.0787	3/32"	1111.02500	1111.02501
3.00 - 2.50*	0.1181 - 0.0984	-	1111.03000	1111.03001
3.50 - 3.00*	0.1378 - 0.1181	1/8"	1111.03500	1111.03501
4.00 - 3.50*	0.1575 - 0.1378	5/32"	1111.04000	1111.04001

夹持范围		Ø [inch]	ER11 产品编号	ER11-UP 产品编号
mm	inch			
4.50 - 4.00*	0.1772 - 0.1575	-	1111.04500	1111.04501
5.00 - 4.50*	0.1969 - 0.1772	3/16"	1111.05000	1111.05001
5.50 - 5.00*	0.2165 - 0.1969	-	1111.05500	1111.05501
6.00 - 5.50*	0.2362 - 0.2165	7/32"	1111.06000	1111.06001
6.50 - 6.00*	0.2559 - 0.2362	1/4"	1111.06500	1111.06501
7.00 - 6.50*	0.2756 - 0.2559	-	1111.07000	1111.07001

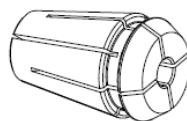
- ER11跳动精度 ≤ 0.01 mm
- ER11-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



ER11-MB
微小径型

夹持范围		ER11-MB 产品编号
mm	inch	
0.2	0.0079	1311.00200
0.3	0.0118	1311.00300
0.4	0.0157	1311.00400
0.5	0.0197	1311.00500
0.6	0.0236	1311.00600
0.7	0.0276	1311.00700
0.8	0.0315	1311.00800
0.9	0.0354	1311.00900

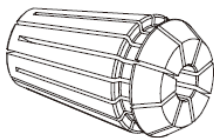
- ER11-MB跳动精度 ≤ 0.006 mm
- 夹持1 mm以下刀具
- 刀具柄径容许误差在h7以内



ER11-ND
超高精型

夹持范围	ER11-ND 产品编号
mm	
3.0	1111.03005
3.175	1111.03185
4.0	1111.04005
6.0	1111.06005

- ER11ND跳动精度 ≤ 0.003 mm
- 和高精度刀柄配合，用于微米加工，在1.26页HSK-E/ER MS刀把
- 刀具柄径容许误差在h9以内



ER16标准型 ER16-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER16 产品编号	ER16-UP 产品编号
mm	inch			
1.00 - 0.50*	0.0394 - 0.0197	1/32"	1116.01000	1116.01001
1.50 - 1.00	0.0591 - 0.0394	-	1116.01500	1116.01501
2.00 - 1.00*	0.0787 - 0.0394	1/16"	1116.02000	1116.02001
2.50 - 1.50	0.0984 - 0.0591	3/32"	1116.02500	1116.02501
3.00 - 2.00*	0.1181 - 0.0787	-	1116.03000	1116.03001
3.50 - 2.50	0.1378 - 0.0984	1/8"	1116.03500	1116.03501
4.00 - 3.00*	0.1575 - 0.1181	5/32"	1116.04000	1116.04001
4.50 - 3.50	0.1772 - 0.1378	-	1116.04500	1116.04501
5.00 - 4.00*	0.1969 - 0.1575	3/16"	1116.05000	1116.05001
5.50 - 4.50	0.2165 - 0.1772	-	1116.05500	1116.05501

夹持范围		Ø [inch]	ER16 产品编号	ER16-UP 产品编号
mm	inch			
6.00 - 5.00*	0.2362 - 0.1969	7/32"	1116.06000	1116.06001
6.50 - 5.50	0.2559 - 0.2165	1/4"	1116.06500	1116.06501
7.00 - 6.00*	0.2756 - 0.2362	-	1116.07000	1116.07001
7.50 - 6.50	0.2953 - 0.2559	9/32"	1116.07500	1116.07501
8.00 - 7.00*	0.3150 - 0.2756	5/16"	1116.08000	1116.08001
8.50 - 7.50	0.3347 - 0.2953	-	1116.08500	1116.08501
9.00 - 8.00*	0.3543 - 0.3150	11/32"	1116.09000	1116.09001
9.50 - 8.50	0.3740 - 0.3347	-	1116.09500	1116.09501
10.00 - 9.00*	0.3937 - 0.3543	3/8"	1116.10000	1116.10001

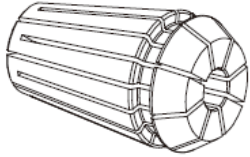
- ER16跳动精度 ≤ 0.01 mm
- ER16-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



ER16-MB 微小径型

夹持范围		ER16-MB 产品编号
mm	inch	
0.2	0.0079	1316.00200
0.3	0.0118	1316.00300
0.4	0.0157	1316.00400
0.5	0.0197	1316.00500
0.6	0.0236	1316.00600
0.7	0.0276	1316.00700
0.8	0.0315	1316.00800
0.9	0.0354	1316.00900

- ER16-MB跳动精度 ≤ 0.006 mm
- 夹持1 mm以下刀具
- 刀具柄径容许误差在h7以内

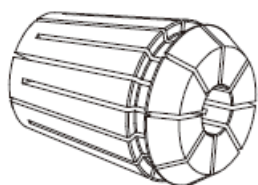


ER20标准型 ER20-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER20 产品编号	ER20-UP 产品编号
mm	inch			
1.00 - 0.50	0.0394 - 0.0197	1/32"	1120.01000	1120.01001
1.50 - 1.00	0.0591 - 0.0394	-	1120.01500	1120.01501
2.00 - 1.00*	0.0787 - 0.0394	1/16"	1120.02000	1120.02001
2.50 - 1.50	0.0984 - 0.0591	3/32"	1120.02500	1120.02501
3.00 - 2.00*	0.1181 - 0.0787	-	1120.03000	1120.03001
3.50 - 2.50	0.1378 - 0.0984	1/8"	1120.03500	1120.03501
4.00 - 3.00*	0.1575 - 0.1181	5/32"	1120.04000	1120.04001
4.50 - 3.50	0.1772 - 0.1378	-	1120.04500	1120.04501
5.00 - 4.00*	0.1969 - 0.1575	3/16"	1120.05000	1120.05001
5.50 - 4.50	0.2165 - 0.1772	-	1120.05500	1120.05501
6.00 - 5.00*	0.2362 - 0.1969	7/32"	1120.06000	1120.06001
6.50 - 5.50	0.2559 - 0.2165	1/4"	1120.06500	1120.06501
7.00 - 6.00*	0.2756 - 0.2362	-	1120.07000	1120.07001
7.50 - 6.50	0.2953 - 0.2559	9/32"	1120.07500	1120.07501
8.00 - 7.00*	0.3150 - 0.2756	5/16"	1120.08000	1120.08001
8.50 - 7.50	0.3347 - 0.2953	-	1120.08500	1120.08501
9.00 - 8.00*	0.3543 - 0.3150	11/32"	1120.09000	1120.09001
9.50 - 8.50	0.3740 - 0.3347	-	1120.09500	1120.09501
10.00 - 9.00*	0.3937 - 0.3543	3/8"	1120.10000	1120.10001
10.50 - 9.50	0.4134 - 0.3740	13/32"	1120.10500	1120.10501
11.00 - 10.00*	0.4330 - 0.3937	-	1120.11000	1120.11001
11.50 - 10.50	0.4528 - 0.4134	7/16"	1120.11500	1120.11501
12.00 - 11.00*	0.4724 - 0.4375	15/32"	1120.12000	1120.12001
12.50 - 11.50	0.4921 - 0.4528	-	1120.12500	1120.12501
13.00 - 12.00*	0.5118 - 0.4724	1/2"	1120.13000	1120.13001

- ER20跳动精度 ≤ 0.01 mm
- ER20-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



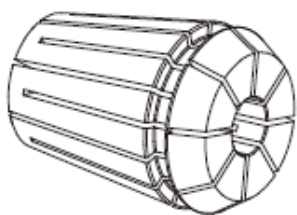
ER25标准型

ER25高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER25 产品编号	ER25-UP 产品编号
mm	inch			
1.00 - 0.50	0.0394 - 0.0197	1/32"	1125.01000	1125.01001
1.50 - 1.00	0.0591 - 0.0394	-	1125.01500	1125.01501
2.00 - 1.00*	0.0787 - 0.0394	1/16"	1125.02000	1125.02001
2.50 - 1.50	0.0984 - 0.0591	3/32"	1125.02500	1125.02501
3.00 - 2.00*	0.1181 - 0.0787	-	1125.03000	1125.03001
3.50 - 2.50	0.1378 - 0.0984	1/8"	1125.03500	1125.03501
4.00 - 3.00*	0.1575 - 0.1181	5/32"	1125.04000	1125.04001
4.50 - 3.50	0.1772 - 0.1378	-	1125.04500	1125.04501
5.00 - 4.00*	0.1969 - 0.1575	3/16"	1125.05000	1125.05001
5.50 - 4.50	0.2165 - 0.1772	-	1125.05500	1125.05501
6.00 - 5.00*	0.2362 - 0.1969	7/32"	1125.06000	1125.06001
6.50 - 5.50	0.2559 - 0.2165	1/4"	1125.06500	1125.06501
7.00 - 6.00*	0.2756 - 0.2362	-	1125.07000	1125.07001
7.50 - 6.50	0.2953 - 0.2559	9/32"	1125.07500	1125.07501
8.00 - 7.00*	0.3150 - 0.2756	5/16"	1125.08000	1125.08001
8.50 - 7.50	0.3347 - 0.2953	-	1125.08500	1125.08501
9.00 - 8.00*	0.3543 - 0.3150	11/32"	1125.09000	1125.09001
9.50 - 8.50	0.3740 - 0.3347	-	1125.09500	1125.09501
10.00 - 9.00*	0.3937 - 0.3543	3/8"	1125.10000	1125.10001
10.50 - 9.50	0.4134 - 0.3740	13/32"	1125.10500	1125.10501
11.00 - 10.00*	0.4330 - 0.3937	-	1125.11000	1125.11001
11.50 - 10.50	0.4528 - 0.4134	7/16"	1125.11500	1125.11501
12.00 - 11.00*	0.4724 - 0.4375	15/32"	1125.12000	1125.12001
12.50 - 11.50	0.4921 - 0.4528	-	1125.12500	1125.12501
13.00 - 12.00*	0.5118 - 0.4724	1/2"	1125.13000	1125.13001
13.50 - 12.50	0.5315 - 0.4921	17/32"	1125.13500	1125.13501
14.00 - 13.00*	0.5512 - 0.5118	-	1125.14000	1125.14001
14.50 - 13.50	0.5709 - 0.5315	9/16"	1125.14500	1125.14501
15.00 - 14.00*	0.5905 - 0.5512	-	1125.15000	1125.15001
15.50 - 14.50	0.6102 - 0.5315	19/32"	1125.15500	1125.15501
16.00 - 15.00*	0.6300 - 0.5905	5/8"	1125.16000	1125.16001
17.00 - 16.00	0.6692 - 0.6300	21/32"	1125.17000	1125.17001

- ER25跳动精度 ≤ 0.01 mm
- ER25-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



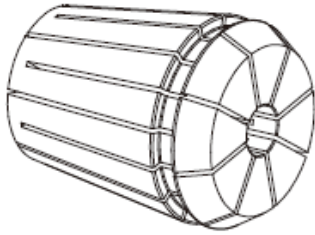
ER32标准型
ER32-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER32 产品编号	ER32-UP 产品编号
mm	inch			
2.00 - 1.00	0.0787 - 0.0394	1/16"	1132.02000	1132.02001
2.50 - 1.50	0.0984 - 0.0591	3/32"	1132.02500	1132.02501
3.00 - 2.00*	0.1181 - 0.0787	-	1132.03000	1132.03001
3.50 - 2.50	0.1378 - 0.0984	1/8"	1132.03500	1132.03501
4.00 - 3.00*	0.1575 - 0.1181	5/32"	1132.04000	1132.04001
4.50 - 3.50	0.1772 - 0.1378	-	1132.04500	1132.04501
5.00 - 4.00*	0.1969 - 0.1575	3/16"	1132.05000	1132.05001
5.50 - 4.50	0.2165 - 0.1772	-	1132.05500	1132.05501
6.00 - 5.00*	0.2362 - 0.1969	7/32"	1132.06000	1132.06001
6.50 - 5.50	0.2559 - 0.2165	1/4"	1132.06500	1132.06501
7.00 - 6.00*	0.2756 - 0.2362	-	1132.07000	1132.07001
7.50 - 6.50	0.2953 - 0.2559	9/32"	1132.07500	1132.07501
8.00 - 7.00*	0.3150 - 0.2756	5/16"	1132.08000	1132.08001
8.50 - 7.50	0.3347 - 0.2953	-	1132.08500	1132.08501
9.00 - 8.00*	0.3543 - 0.3150	11/32"	1132.09000	1132.09001
9.50 - 8.50	0.3740 - 0.3347	-	1132.09500	1132.09501
10.00 - 9.00*	0.3937 - 0.3543	3/8"	1132.10000	1132.10001
10.50 - 9.50	0.4134 - 0.3740	13/32"	1132.10500	1132.10501
11.00 - 10.00*	0.4330 - 0.3937	-	1132.11000	1132.11001
11.50 - 10.50	0.4528 - 0.4134	7/16"	1132.11500	1132.11501

夹持范围		Ø [inch]	ER32 产品编号	ER32-UP 产品编号
mm	inch			
12.00 - 11.00*	0.4724 - 0.4375	15/32"	1132.12000	1132.12001
12.50 - 11.50	0.4921 - 0.4528	-	1132.12500	1132.12501
13.00 - 12.00*	0.5118 - 0.4724	1/2"	1132.13000	1132.13001
13.50 - 12.50	0.5315 - 0.4921	17/32"	1132.13500	1132.13501
14.00 - 13.00*	0.5512 - 0.5118	-	1132.14000	1132.14001
14.50 - 13.50	0.5709 - 0.5315	9/16"	1132.14500	1132.14501
15.00 - 14.00*	0.5905 - 0.5512	-	1132.15000	1132.15001
15.50 - 14.50	0.6102 - 0.5315	19/32"	1132.15500	1132.15501
16.00 - 15.00*	0.6300 - 0.5905	5/8"	1132.16000	1132.16001
16.50 - 15.50	0.6496 - 0.6102	-	1132.16500	1132.16501
17.00 - 16.00*	0.6693 - 0.6300	21/32"	1132.17000	1132.17001
17.50 - 16.50	0.6890 - 0.6496	11/16"	1132.17500	1132.17501
18.00 - 17.00*	0.7087 - 0.6693	-	1132.18000	1132.18001
18.50 - 17.50	0.7284 - 0.6890	23/32"	1132.18500	1132.18501
19.00 - 18.00*	0.7480 - 0.7078	-	1132.19000	1132.19001
19.50 - 18.50	0.7677 - 0.7284	3/4"	1132.19500	1132.19501
20.00 - 19.00*	0.7874 - 0.7480	25/32"	1132.20000	1132.20001
21.00 - 20.00	0.8267 - 0.7874	13/16"	1132.21000	1132.21001
22.00 - 21.00	0.8661 - 0.8267	-	1132.22000	1132.22001

- ER32跳动精度 ≤ 0.01 mm
- ER32-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



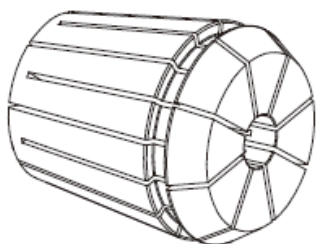
ER40标准型 ER40-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER40 产品编号	ER40-UP 产品编号
mm	inch			
3.00 - 2.00	0.1181 - 0.0787	3/32"	1140.03000	1140.03001
3.50 - 2.50	0.1378 - 0.0984	1/8"	1140.03500	1140.03501
4.00 - 3.00*	0.1575 - 0.1181	5/32"	1140.04000	1140.04001
4.50 - 3.50	0.1772 - 0.1378	-	1140.04500	1140.04501
5.00 - 4.00*	0.1969 - 0.1575	3/16"	1140.05000	1140.05001
5.50 - 4.50	0.2165 - 0.1772	-	1140.05500	1140.05501
6.00 - 5.00*	0.2362 - 0.1969	7/32"	1140.06000	1140.06001
6.50 - 5.50	0.2559 - 0.2165	1/4"	1140.06500	1140.06501
7.00 - 6.00*	0.2756 - 0.2362	-	1140.07000	1140.07001
7.50 - 6.50	0.2953 - 0.2559	9/32"	1140.07500	1140.07501
8.00 - 7.00*	0.3150 - 0.2756	5/16"	1140.08000	1140.08001
8.50 - 7.50	0.3347 - 0.2953	-	1140.08500	1140.08501
9.00 - 8.00*	0.3543 - 0.3150	11/32"	1140.09000	1140.09001
9.50 - 8.50	0.3740 - 0.3347	-	1140.09500	1140.09501
10.00 - 9.00*	0.3937 - 0.3543	3/8"	1140.10000	1140.10001
10.50 - 9.50	0.4134 - 0.3740	13/32"	1140.10500	1140.10501
11.00 - 10.00*	0.4330 - 0.3937	-	1140.11000	1140.11001
11.50 - 10.50	0.4528 - 0.4134	7/16"	1140.11500	1140.11501
12.00 - 11.00*	0.4724 - 0.4375	15/32"	1140.12000	1140.12001
12.50 - 11.50	0.4921 - 0.4528	-	1140.12500	1140.12501
13.00 - 12.00*	0.5118 - 0.4724	1/2"	1140.13000	1140.13001
13.50 - 12.50	0.5315 - 0.4921	17/32"	1140.13500	1140.13501
14.00 - 13.00*	0.5512 - 0.5118	-	1140.14000	1140.14001
14.50 - 13.50	0.5709 - 0.5315	9/16"	1140.14500	1140.14501
15.00 - 14.00*	0.5905 - 0.5512	-	1140.15000	1140.15001
15.50 - 14.50	0.6102 - 0.5315	19/32"	1140.15500	1140.15501

夹持范围		Ø [inch]	ER40 产品编号	ER40-UP 产品编号
mm	inch			
16.00 - 15.00*	0.6300-0.5905	5/8"	1140.16000	1140.16001
16.50 - 15.50	0.6496-0.6102	-	1140.16500	1140.16501
17.00 - 16.00*	0.6693-0.6300	21/32"	1140.17000	1140.17001
17.50 - 16.50	0.6890-0.6496	11/16"	1140.17500	1140.17501
18.00 - 17.00*	0.7087-0.6693	-	1140.18000	1140.18001
18.50 - 17.50	0.7284-0.6890	23/32"	1140.18500	1140.18501
19.00 - 18.00*	0.7480-0.7078	-	1140.19000	1140.19001
19.50 - 18.50	0.7677-0.7284	3/4"	1140.19500	1140.19501
20.00 - 19.00*	0.7874-0.7480	25/32"	1140.20000	1140.20001
20.50 - 19.50	0.8071-0.7677	-	1140.20500	1140.20501
21.00 - 20.00*	0.8268-0.7874	13/16"	1140.21000	1140.21001
21.50 - 20.50	0.8465-0.8071	27/32"	1140.21500	1140.21501
22.00 - 21.00*	0.8661-0.8268	-	1140.22000	1140.22001
22.50 - 21.50	0.8858-0.8465	7/8"	1140.22500	1140.22501
23.00 - 22.00*	0.9055-0.8661	-	1140.23000	1140.23001
23.50 - 22.50	0.9252-0.8858	29/32"	1140.23500	1140.23501
24.00 - 23.00*	0.9449-0.9055	15/16"	1140.24000	1140.24001
24.50 - 23.50	0.9646-0.9252	-	1140.24500	1140.24501
25.00 - 24.00*	0.9843-0.9449	31/32"	1140.25000	1140.25001
25.50 - 24.50	1.0039-0.9646	1"	1140.25500	1140.25501
26.00 - 25.00*	1.0236-0.9843	-	1140.26000	1140.26001
27.00 - 26.00	1.0630-1.0236	1-1/16"	1140.27000	1140.27001
28.00 - 27.00	1.1024-1.0630	1-3/32"	1140.28000	1140.28001
29.00 - 28.00	1.1417-1.1024	1-1/8"	1140.29000	1140.29001
30.00 - 29.00	1.1811 - 1.1417	1-5/32"	1140.30000	1140.30001

- ER40跳动精度 ≤ 0.01 mm
- ER40-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



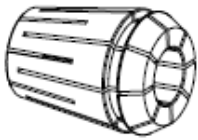
ER50标准型

ER50-UP高精度型

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER50 产品编号	ER50-UP 产品编号
mm	inch			
6.00 - 4.00	0.2362 - 0.1575	3/16"	1150.06000	1150.06001
8.00 - 6.00	0.3150 - 0.2362	1/4"	1150.08000	1150.08001
10.00 - 8.00	0.3937 - 0.3150	3/8"	1150.10000	1150.10001
12.00 - 10.00*	0.4724 - 0.3937	7/16"	1150.12000	1150.12001
14.00 - 12.00*	0.5512 - 0.4724	1/2"	1150.14000	1150.14001
16.00 - 14.00*	0.6300 - 0.5512	5/8"	1150.16000	1150.16001
18.00 - 16.00*	0.7087 - 0.6300	11/16"	1150.18000	1150.18001
20.00 - 18.00*	0.7874 - 0.7087	3/4"	1150.20000	1150.20001
22.00 - 20.00*	0.8661 - 0.7874	13/16"	1150.22000	1150.22001
24.00 - 22.00*	0.9449 - 0.8661	7/8"	1150.24000	1150.24001
25.00 - 23.00	0.9843 - 0.9055	31/32"	1150.25000	1150.25001
26.00 - 24.00*	1.0236 - 0.9449	1"	1150.26000	1150.26001
28.00 - 26.00*	1.1024 - 1.0236	1-1/16"	1150.28000	1150.28001
30.00 - 28.00*	1.1811 - 1.1024	1-1/8"	1150.30000	1150.30001
32.00 - 30.00*	1.2598 - 1.1811	1-1/4"	1150.32000	1150.32001
34.00 - 32.00*	1.3386 - 1.2598	1-5/16"	1150.34000	1150.34001
36.00 - 34.00	1.4173 - 1.3386	1-3/8"	1150.36000	1150.36001

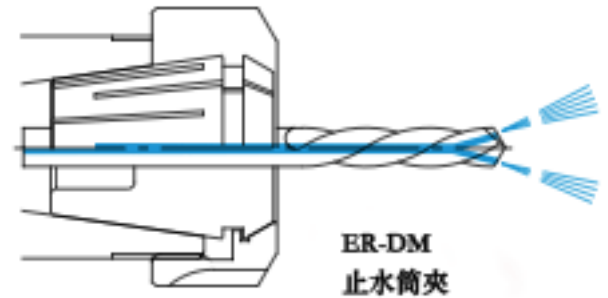
- ER50跳动精度 ≤ 0.01 mm
- ER50-UP跳动精度 ≤ 0.005 mm
- *为整组所含的弹性筒夹



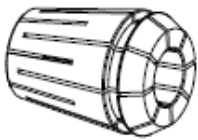
ER11-DM止水筒夾

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER11-DM 产品编号
mm	inch		
3.00 - 2.75	0.1181 - 0.1083	-	1211.03000
3.18 - 2.93	0.1250 - 0.1154	1/8"	1211.03182
4.00 - 3.75	0.1575 - 0.1476	-	1211.04000
4.76 - 4.51	0.1875 - 0.1776	3/16"	1211.04762
5.00 - 4.75	0.1969 - 0.1870	-	1211.05000
5.56 - 5.31	0.2188 - 0.2091	7/32"	1211.05562
6.00 - 5.75	0.2362 - 0.2264	-	1211.06000
6.35 - 6.10	0.2500 - 0.2402	1/4"	1211.06352
7.00 - 6.75	0.2756 - 0.2658	-	1211.07000

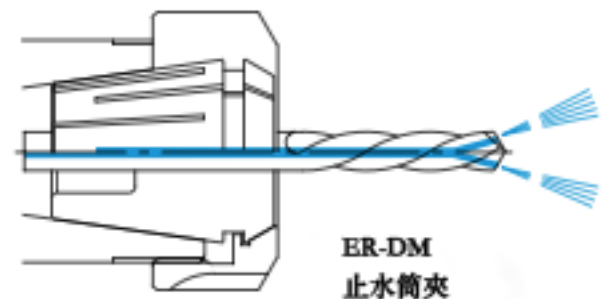


- ER11-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果

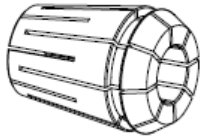


ER16-DM止水筒夾

夹持范围		Ø [inch]	ER16-DM 产品编号
mm	inch		
3.00 h9*	0.1181 h9	-	1216.03000
3.18 h9	0.1250 h9	1/8"	1216.03182
3.97 h9*	0.1563 h9	5/32"	1216.03972
4.00 h9	0.1575 h9	-	1216.04000
4.76 h9	0.1875 h9	3/16"	1216.04762
5.00 - 4.50*	0.1969 - 0.1772	-	1216.05000
5.56 - 5.06	0.2188 - 0.1991	7/32"	1216.05562
6.00 - 5.50*	0.2362 - 0.2165	-	1216.06000
6.35 - 5.85	0.2500 - 0.2303	1/4"	1216.06352
7.00 - 6.50*	0.2756 - 0.2559	-	1216.07000
7.14 - 6.64	0.2813 - 0.2616	9/32"	1216.07142
7.94 - 7.44	0.3125 - 0.2929	5/16	1216.07942
8.00 - 7.50*	0.3150 - 0.2953	-	1216.08000
8.73 - 8.23	0.3438 - 0.3241	11/32"	1216.08732
9.00 - 8.50*	0.3543 - 0.3347	-	1216.09000
9.53 - 9.03	0.3750 - 0.3556	3/8"	1216.09532
10.00 - 9.50*	0.3937 - 0.3740	-	1216.10000
10.32 - 9.82	0.4063 - 0.3866	13/32"	1216.10322



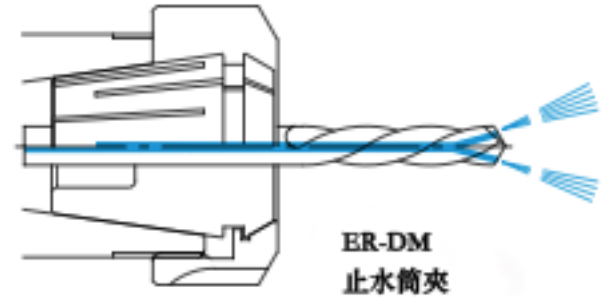
- ER16-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果
- *为整组所含的弹性筒夹



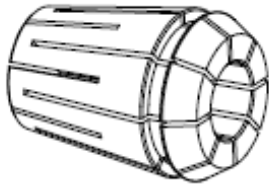
ER20-DM止水筒夹

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER20-DM 产品编号
mm	inch		
3.00 h9*	0.1181 h9	-	1220.03000
3.18 h9	0.1250 h9	1/8"	1220.03182
3.97h9	0.1563h9	5/32"	1220.03972
4.00 h9*	0.1575 h9	-	1220.04000
4.76 h9	0.1875 h9	3/16	1220.04762
5.00 h9*	0.1969 h9	-	1220.05000
5.56 h9	0.2188h9	7/32"	1220.05562
6.00 h9*	0.2362 h9	-	1220.06000
6.35 h9	0.2500 h9	1/4	1220.06352
7.00 - 6.50*	0.2756 - 0.2559	-	1220.07000
7.14 - 6.64	0.2813 - 0.2616	9/32"	1220.07142
7.94 - 7.44	0.3125 - 0.2928	5/16"	1220.07942
8.00 - 7.50*	0.3150 - 0.2953	-	1220.08000
8.73 - 8.23	0.3438 - 0.3241	11/32"	1220.08732
9.00 - 8.50*	0.3543 - 0.3347	-	1220.09000
9.53 - 9.03	0.3750 - 0.3553	3/8"	1220.09532
10.00 - 9.50*	0.3937 - 0.3740	-	1220.10000
10.32 - 9.82	0.4063 - 0.3866	13/32"	1220.10322
11.00 - 10.50*	0.4331 - 0.4134	-	1220.11000
11.11 - 10.61	0.4375 - 0.4178	7/16	1220.11112
11.91 - 11.41	0.4687 - 0.4491	15/32"	1220.11912
12.00 - 11.50*	0.4724 - 0.4528	-	1220.12000
12.70 - 12.20	0.5000 - 0.4803	1/2"	1220.12702
13.00 - 12.50*	0.5118 - 0.4921	-	1220.13000



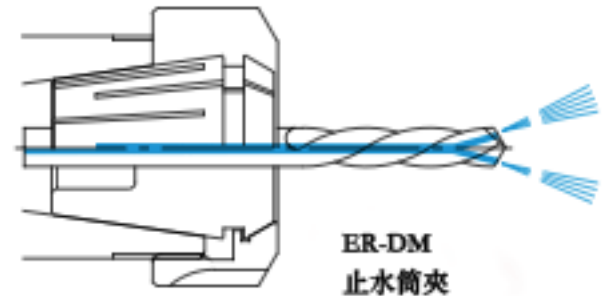
- ER20-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果
- *为整组所含的弹性筒夹



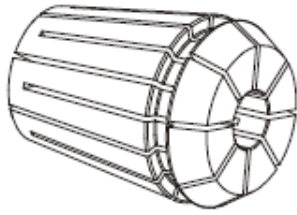
ER25-DM止水筒夹

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER25-DM 产品编号
mm	inch		
5.56 h9	0.2188h9	7/32"	1225.05562
6.00 h9*	0.2362 h9	-	1225.06000
6.35 h9	0.2500 h9	1/4	1225.06352
7.00 h9	0.2756 h9	-	1225.07000
7.14 h9	0.2813 h9	9/32"	1225.07142
7.94 - 7.44	0.3125 - 0.2929	5/16"	1225.07942
8.00 - 7.50*	0.3150 - 0.2953	-	1225.08000
8.73 - 8.23	0.3438 - 0.3241	11/32"	1225.08732
9.00 - 8.50*	0.3543 - 0.3347	-	1225.09000
9.53 - 9.03	0.3750 - 0.3553	3/8"	1225.09532
10.00 - 9.50*	0.3937 - 0.3740	-	1225.10000
10.32 - 9.82	0.4063 - 0.3866	13/32"	1225.10322
11.00 - 10.50	0.4331 - 0.4134	-	1225.11000
11.11 - 10.61	0.4375 - 0.4178	7/16"	1225.11112
11.91 - 11.41	0.4687 - 0.4491	15/32"	1225.11912
12.00 - 11.50*	0.4724 - 0.4528	-	1225.12000
12.70 - 12.20	0.5000 - 0.4803	1/2"	1225.12702
13.00 - 12.50	0.5118 - 0.4921	-	1225.13000
13.49 - 12.99	0.5313 - 0.5116	17/32"	1225.13492
14.00 - 13.50*	0.5512 - 0.5315	-	1225.14000
14.29 - 13.79	0.5625 - 0.5428	9/16"	1225.14292
15.00 - 14.50	0.5905 - 0.5709	-	1225.15000
15.08 - 14.58	0.5934 - 0.5741	19/32"	1225.15082
15.88 - 15.38	0.6250 - 0.6055	5/8"	1225.15882
16.00 - 15.50*	0.6299 - 0.6102	-	1225.16000



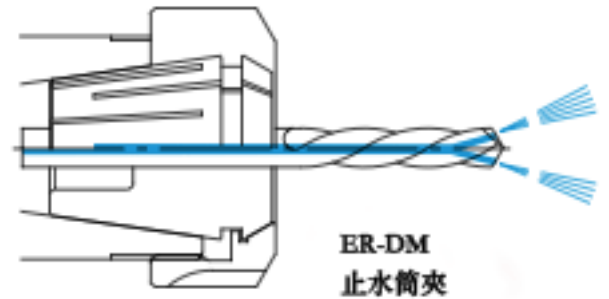
- ER25-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果
- *为整组所含的弹性筒ER32-DM止水筒夹



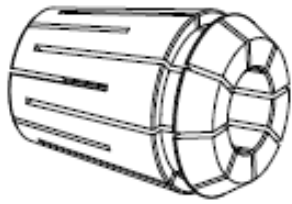
ER32-DM 止水筒夹

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER32-DM 产品编号
mm	inch		
6.00 h9*	0.2362 h9	-	1232.06000
6.35 h9	0.2500 h9	1/4	1232.06352
7.00 h9	0.2756 h9	-	1232.07000
7.14 h9	0.2813 h9	9/32"	1232.07142
7.94 - 7.44	0.3125 - 0.2928	5/16"	1232.07942
8.00 - 7.50*	0.3150 - 0.2953	-	1232.08000
8.73 - 8.23	0.3438 - 0.3241	11/32"	1232.08732
9.00 - 8.50	0.3543 - 0.3347	-	1232.09000
9.53 - 9.03	0.3750 - 0.3553	3/8"	1232.09532
10.00 - 9.50*	0.3937 - 0.3740	-	1232.10000
10.32 - 9.82	0.4063 - 0.3866	13/32"	1232.10322
11.00 - 10.50	0.4331 - 0.4134	-	1232.11000
11.11 - 10.61	0.4375 - 0.4178	7/16"	1232.11112
11.91 - 11.41	0.4687 - 0.4491	15/32"	1232.11912
12.00 - 11.50*	0.4724 - 0.4528	-	1232.12000
12.70 - 12.20	0.5000 - 0.4803	1/2"	1232.12702
13.00 - 12.50	0.5118 - 0.4921	-	1232.13000
13.49 - 12.99	0.5313 - 0.5116	17/32"	1232.13492
14.00 - 13.50*	0.5512 - 0.5315	-	1232.14000
14.29 - 13.79	0.5625 - 0.5428	9/16"	1232.14292
15.00 - 14.50	0.5905 - 0.5709	-	1232.15000
15.08 - 14.58	0.5934 - 0.5741	19/32"	1232.15082
15.88 - 15.38	0.6250 - 0.6055	5/8"	1232.15882
16.00 - 15.50*	0.6299 - 0.6102	-	1232.16000
16.67 - 16.17	0.6563 - 0.6366	21/32"	1232.16672
17.00 - 16.50	0.6693 - 0.6496	-	1232.17000
17.46 - 16.96	0.6875 - 0.6678	11/16"	1232.17462
18.00 - 17.50*	0.7087 - 0.6890	-	1232.18000
18.26 - 17.76	0.7188 - 0.6991	23/32"	1232.18262
19.00 - 18.50	0.7480 - 0.7284	-	1232.19000
19.05 - 18.55	0.7500 - 0.7303	3/4"	1232.19052
20.00 - 19.50*	0.7874 - 0.7677	-	1232.20000



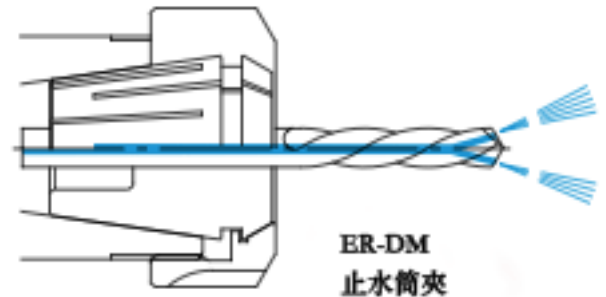
- ER32-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果
- *为整组所含的弹性筒夹



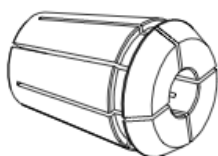
ER40-DM止水筒夹

DIN 6499/ ISO 15488

夹持范围		Ø [inch]	ER40-DM 产品编号
mm	inch		
6.00 h9	0.2362 h9	-	1240.06000
6.35 h9	0.2500 h9	1/4	1240.06352
7.94 h9	0.3125 h9	5/16"	1240.07942
8.00 h9	0.3150 h9	-	1240.08000
9.53 - 9.03	0.3750 - 0.3553	3/8"	1240.09532
10.00 - 9.50	0.3937 - 0.3740	-	1240.10000
11.00 - 10.50	0.4331 - 0.4134	-	1240.11000
11.11 - 10.61	0.4375 - 0.4178	7/16"	1240.11112
12.00 - 11.50	0.4724 - 0.4528	-	1240.12000
12.70 - 12.20	0.5000 - 0.4803	1/2"	1240.12702
13.00 - 12.50	0.5118 - 0.4921	-	1240.13000
14.00 - 13.50	0.5512 - 0.5315	-	1240.14000
14.29 - 13.79	0.5625 - 0.5428	9/16"	1240.14292
15.00 - 14.50	0.5905 - 0.5709	-	1240.15000
15.88 - 15.38	0.6250 - 0.6055	5/8"	1240.15882
16.00 - 15.50*	0.6299 - 0.6102	-	1240.16000
17.00 - 16.50	0.6693 - 0.6496	-	1240.17000
17.46 - 16.96	0.6875 - 0.6678	11/16"	1240.17462
18.00 - 17.50*	0.7087 - 0.6890	-	1240.18000
19.00 - 18.50	0.7480 - 0.7284	-	1240.19000
19.05 - 18.55	0.7500 - 0.7303	3/4"	1240.19052
20.00 - 19.50	0.7874 - 0.7677	-	1240.20000
20.64 - 20.14	0.8123 - 0.7928	13/16"	1240.20642
21.00 - 20.50	0.8268 - 0.8071	-	1240.21000
22.00 - 21.50	0.8661 - 0.8465	-	1240.22000
22.23 - 21.73	0.8750 - 0.8553	7/8"	1240.22232
23.00 - 22.50	0.9055 - 0.8858	-	1240.23000
24.00 - 23.50	0.9449 - 0.9252	-	1240.24000
25.00 - 24.50	0.9843 - 0.9646	-	1240.25000
25.40 - 24.90	1.0000 - 0.9803	1"	1240.25402
26.00 - 25.50	1.0236 - 1.0039	-	1240.26000



- ER40-DM跳动精度 ≤ 0.006 mm
- 中心出水用，最大可承受300巴切削液压
- 刀具尽可能深入筒夹，以达到出水效果
- *为整组所含的弹性筒夹

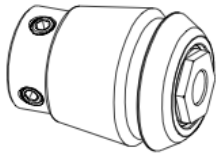


ER-GB攻丝筒夹

- 无轴向补偿
- 具四方角，已避免丝攻打滑
- 适用ER筒夹DIN6499 /ISO 15488
- 刚性攻牙用



Ø [mm]	□ [mm]	标准	ER11-GB	ER16-GB	ER20-GB	ER25-GB	ER32-GB	ER40-GB	ER50-GB
2.5	2.1/2.0	DIN/ISO	1411.02500	-	-	-	-	-	-
2.8	2.1	DIN	1411.02800	-	-	-	-	-	-
3.5	2.7	DIN	1411.03500	-	-	-	-	-	-
4.0	3.0	DIN	1411.04000	-	-	-	-	-	-
4.0	3.15/3.2	ISO,JIS	1411.04002	1416.04002	1420.04002	1425.04002	1432.04002	-	-
4.5	3.4	DIN	1411.04500	1416.04500	1420.04500	1425.04500	1432.04500	-	-
5.0	4.0	ISO,JIS	1411.05002	1416.05002	1420.05002	1425.05002	1432.05002	-	-
5.5	4.3	DIN	-	1416.05500	1420.05500	1425.05500	1432.05500	-	-
5.5	4.5	JIS	-	1416.05501	1420.05501	1425.05501	1432.05501	-	-
6.0	4.5	JIS	-	1416.06001	1420.06001	1425.06001	1432.06001	1440.06001	-
6.0	4.9	DIN	1411.06000	1416.06000	1420.06000	1425.06000	1432.06000	1440.06000	-
6.2	5.0	JIS	-	1416.06201	1420.06201	1425.06201	1432.06201	1440.06201	-
6.3	5.0	ISO	-	1416.06302	1420.06302	1425.06302	1432.06302	1440.06302	-
7.0	5.5	DIN,JIS	-	1416.07000	1420.07000	1425.07000	1432.07000	1440.07000	-
7.1	5.6	ISO	-	1416.07102	1420.07102	1425.07102	1432.07102	1440.07102	-
8.0	6.2/6.3	DIN,ISO	-	1416.08000	1420.08000	1425.08000	1432.08000	1440.08000	-
8.5	6.5	JIS	-	1416.08501	1420.08501	1425.08501	1432.08501	1440.08501	-
9.0	7.0/7.1	DIN,ISO	-	1416.09000	1420.09000	1425.09000	1432.09000	1440.09000	-
10.0	8.0	DIN,ISO	-	-	1420.10000	1425.10000	1432.10000	1440.10000	-
10.5	8.0	JIS	-	-	1420.10501	1425.10501	1432.10501	1440.10501	-
11.0	9.0	DIN	-	-	1420.11000	1425.11000	1432.11000	1440.11000	-
11.2	9.0	ISO	-	-	1420.11202	1425.11202	1432.11202	1440.11202	-
12.0	9.0	DIN	-	-	1420.12000	1425.12000	1432.12000	1440.12000	-
12.5	10.0	ISO,JIS	-	-	-	1425.12502	1432.12502	1440.12502	-
14.0	11.0/11.2	DIN,ISO,JIS	-	-	-	1425.14000	1432.14000	1440.14000	-
15.0	12.0	JIS	-	-	-	1425.15001	1432.15001	1440.15001	-
16.0	12.0/12.5	DIN,ISO	-	-	-	1425.16000	1432.16000	1440.16000	-
17.0	13.0	JIS	-	-	-	-	1432.17001	1440.17001	-
18.0	14.0/14.5	DIN,ISO	-	-	-	-	1432.18000	1440.18000	-
20.0	16.0	DIN,ISO	-	-	-	-	1432.20000	1440.20000	-
22.0	18.0	DIN	-	-	-	-	-	1440.22000	1450.22000
25.0	20.0	DIN	-	-	-	-	-	-	1450.25000
28.0	22.0	DIN	-	-	-	-	-	-	1450.28000
32.0	24.0	DIN	-	-	-	-	-	-	1450.32000



ET1功丝筒夹

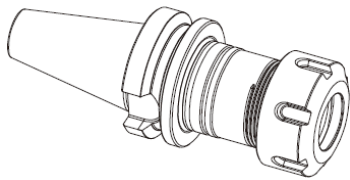
- 具有轴向补偿
- ET1-12与ER11可通用
- 不需额外再准备夹头

柄径Ø [mm]	标准	ET1-12 产品编号	ET1-16 产品编号	ET1-20 产品编号	ET1-25 产品编号	ET1-32 产品编号	ET1-40 产品编号
1.40	DIN	1512.01400	1516.01400	-	-	-	-
1.60	DIN	1512.01600	1516.01600	-	-	-	-
1.80	DIN	1512.01800	1516.01800	-	-	-	-
2.00	ISO	1512.02000	1516.02000	-	-	-	-
2.20	DIN	1512.02200	1516.02200	1520.02200	-	-	-
2.24	ISO	1512.02240	1516.02240	1520.02240	-	-	-
2.50	DIN, ISO	1512.02500	1516.02500	1520.02500	1525.02500	-	-
2.80	DIN, ISO	1512.02800	1516.02800	1520.02800	1525.02800	-	-
3.00	JIS	1512.03000	1516.03000	1520.03000	1525.03000	-	-
3.15	ISO	1512.03150	1516.03150	1520.03150	1525.03150	-	-
3.50	DIN	1512.03500	1516.03500	1520.03500	1525.03500	-	-
3.55	ISO	1512.03550	1516.03550	1520.03550	1525.03550	-	-
4.00	DIN, ISO, JIS	-	1516.04000	1520.04000	1525.04000	-	-
4.50	DIN, ISO	-	1516.04500	1520.04500	1525.04500	1532.04500	-
5.00	ISO, JIS	-	1516.05000	1520.05000	1525.05000	1532.05000	-
5.50	DIN, ISO	-	1516.05500	1520.05500	1525.05500	1532.05500	-
5.60	ISO	-	1516.05600	1520.05600	1525.05600	1532.05600	-
6.00	DIN, JIS	-	1516.06000	1520.06000	1525.06000	1532.06000	1540.06000
6.20	JIS	-	1516.06200	1520.06200	1525.06200	1532.06200	1540.06200
6.30	ISO	-	1516.06300	1520.06300	1525.06300	1532.06300	1540.06300
7.00	DIN, JIS	-	-	1520.07000	1525.07000	1532.07000	1540.07000
7.10	ISO	-	-	-	1525.07100	1532.07100	1540.07100
8.00	DIN, ISO, JIS	-	-	-	1525.08000	1532.08000	1540.08000
8.50	JIS	-	-	-	1525.08500	1532.08500	1540.08500
9.00	DIN, ISO	-	-	-	1525.09000	1532.09000	1540.09000
10.00	DIN, ISO	-	-	-	1525.10000	1532.10000	1540.10000
10.50	JIS	-	-	-	-	1532.10500	1540.10500
11.00	DIN	-	-	-	-	1532.11000	1540.11000
11.20	ISO	-	-	-	-	1532.11200	1540.11200
12.00	DIN	-	-	-	-	1532.12000	1540.12000
12.50	ISO, JIS	-	-	-	-	1532.12500	1540.12500
14.00	DIN, ISO, JIS	-	-	-	-	-	1540.14000
15.00	JIS	-	-	-	-	-	1540.15000
16.00	DIN, ISO	-	-	-	-	-	1540.16000
17.00	JIS	-	-	-	-	-	1540.17000

ER刀柄



- 瑞士制造
- 世界标准ER筒夹原创者
- 清楚标示型号规格
- 认证过的△记号
- 柄部精度达到AT3
- 跳动精度 ≤ 0.003 mm
- BT柄动平衡G2.5 @ 22000 min⁻¹
- SK柄(TC)动平衡G2.5 @ 22000 min⁻¹
- HSK柄动平衡G2.5 @ 25000 min⁻¹
- 可用于钻孔、铣削、铰孔、攻丝和研磨
- 装佩所属平衡环，加上刀具动平衡可达80000 min⁻¹
- 良好材质，具震动缓冲
- REGO-FIX筒夹、刀柄、螺帽与扳手有最好的搭配性

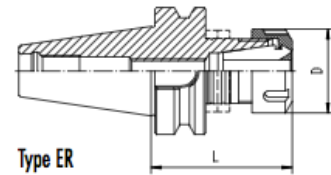
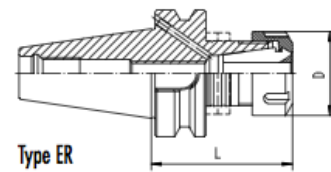
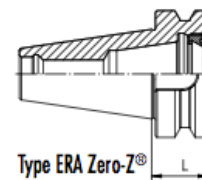


BT/ER刀柄

MAS 403/ JIS B 6399

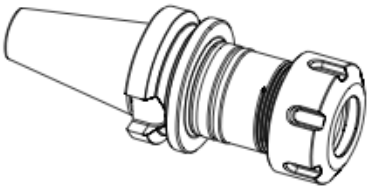
型号	A+AD型 编号	AD+B型 编号	D [mm]	L [mm]	平衡环
BT30/ER11x050*	2130.11110	-	19	50	-
BT30/ER11x100H	4130.11150	-	19	100	FWR225
BT30/ER16x050*	2130.11610	-	28	50	-
BT30/ER16x080H	4130.11640	-	28	80	FWR285
BT30/ER16x100H	4130.11650	-	28	100	FWR285
BT30/ERA20x022*	2130.12007	-	-	22	-
BT30/ER20x050*	2130.12010	-	34	50	-
BT30/ER20x070H	4130.12030	-	34	70	FWR325
BT30/ER20x100H	4130.12050	-	34	100	FWR325
BT30/ER25x060H	4130.12520	-	42	62.5	FWR325
BT30/ER25x100H	4130.12550	-	42	100	FWR325
BT30/ER32x060*	2130.13220	-	50	60	-
BT30/ER32x100H	4130.13250	-	50	100	FWR405
BT40/ER11x100H	4140.11150	-	19	100	FWR285
BT40/ER11x160H	4140.11180	-	19	160	FWR285
BT40/ER16x070H	4140.11630	4140.11633	28	70	FWR285
BT40/ER16x100H	4140.11650	4140.11653	28	100	FWR285
BT40/ER16x160H	4140.11680	4140.11683	28	160	FWR285/225
BT40/ER20x070H	4140.12030	4140.12033	34	70	FWR325
BT40/ER20x100H	4140.12050	4140.12053	34	100	FWR285
BT40/ER20x160H	4140.12080	4140.12083	34	160	FWR405/285
BT40/ER25x070H	4140.12530	4140.12533	42	70	FWR405
BT40/ER25x100H	4140.12550	4140.12553	42	100	FWR405
BT40/ER25x160H	4140.12580	4140.12583	42	160	FWR405/325
BT40/ERA32x027*	2140.13207	-	-	27	-
BT40/ER32x070H	4140.13230	4140.13233	50	70	FWR405
BT40/ER32x100H	4140.13250	4140.13253	50	100	FWR405
BT40/ER32x160H	4140.13280	4140.13283	50	160	FWR405/325
BT40/ER40x080*	2140.14040	2140.14043	63	80	-
BT40/ER40x100H	4140.14050	4140.14053	63	100	FWR505
BT40/ER40x160H	4140.14080	4140.14083	63	160	FWR505/505

- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 22000 min⁻¹

Type ER
Form A+ADType ER
Form AD+BType ERA Zero-Z®
Form A+AD

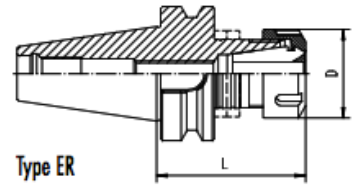
BT/ER刀柄

MAS 403/ JIS B 6399

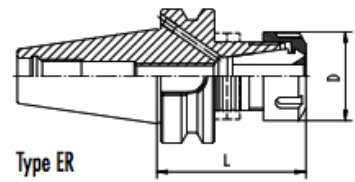


型号	A+AD型 编号	AD+B型 编号	D [mm]	L [mm]	平衡环
BT50/ER16x100H	4150.11650	4150.11653	28	100	FWR505
BT50/ER16x160H	4150.11680	4150.11683	28	160	FWR505/225
BT50/ER20x070*	2150.12030	2150.12033	34	70	-
BT50/ER20x100H	4150.12050	4150.12053	34	100	FWR325
BT50/ER25x070*	2150.12530	-	42	70	-
BT50/ER25x100H	4150.12550	4150.12553	42	100	FWR405
BT50/ER25x160H	4150.12580	4150.12583	42	160	FWR405/325
BT50/ER32x100H	4150.13250	4150.13253	50	100	FWR505
BT50/ER32x160H	4150.13280	4150.13283	50	160	FWR505/225
BT50/ER40x100H	4150.14050	4150.14053	63	100	FWR505
BT50/ER40x160H	4150.14080	4150.14083	63	160	FWR505
BT50/ER50x100*	2150.15050	-	78	100	-

- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 22000 min⁻¹

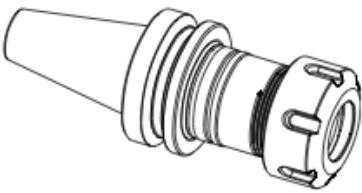


Type ER
Form A+AD



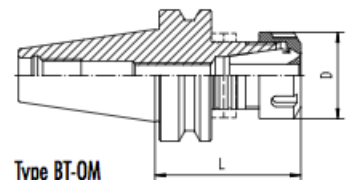
Type ER
Form AD+B

BT-OM/ER

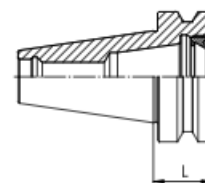


型号	A+AD型 编号	D [mm]	L [mm]	平衡环
BT-OM 30 /ER16 x 080H	4130.11648	28	80	FWR285
BT-OM 30 /ERA20 x 022*	2130.12008	34	22	-
BT-OM 30 /ER25 x 060H	4130.12528	42	62.5	FWR325
BT-OM 30 /ER32 x 060*	2130.13228	50	62.5	-

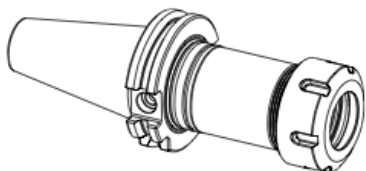
- 无传动槽设计，专为HAAS和HURCO的CNC加工中心机而设计
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 22000 min⁻¹



Type BT-OM
Without drive slots



Type BT-OM ERA Zero-Z®
Form A+AD



TC/ER刀柄

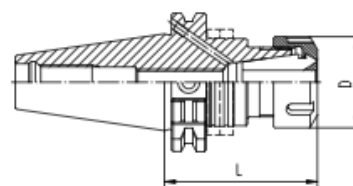
DIN 69871

型号	A+AD型 编号	AD+B型 编号	D [mm]	L [mm]	平衡环
TC30/ER16x070H	4230.11630	4230.11633	28	70	FWR285
TC30/ER16x100H	4230.11650	4230.11653	28	100	FWR285
TC30/ER25x060H	4230.12520	4230.12523	42	60	FWR325
TC30/ER32x065*	2230.13220	2230.13223	50	65	-
TC40/ER11x100H	4240.11150	4240.11153	19	100	FWR325
TC40/ER11x160H	4240.11180	4240.11183	19	160	FWR325
TC40/ER16x070H	4240.11630	4240.11633	28	70	FWR405
TC40/ER16x100H	4240.11650	4240.11653	28	100	FWR405
TC40/ER16x160H	4240.11680	4240.11683	28	160	FWR405/225
TC40/ER16x200H	4240.11690	4240.1163	28	200	FWR405/225
TC40/ER20x070H	4240.12030	4240.12033	34	70	FWR325
TC40/ER20x100H	4240.12050	4240.12053	34	100	FWR325
TC40/ER25x070H	4240.12530	4240.12533	42	70	FWR405
TC40/ER25x100H	4240.12550	4240.12553	42	100	FWR405
TC40/ER25x160H	4240.12580	4240.12583	42	160	FWR405/325
TC40/ER25x200H	4240.12590	4240.12593	42	200	FWR405/325
TC40/ERA32x019*	2240.13207	-	-	19	-
TC40/ER32x070H	4240.13230	4240.13233	50	70	FWR405
TC40/ER32x100H	4240.13250	4240.13253	50	100	FWR405
TC40/ER32x160H	4240.13280	4240.13283	50	160	FWR405/405
TC40/ER32x200H	4240.13290	4240.13293	50	200	FWR405/405
TC40/ER40x080*	2240.14040	2240.14043	63	80	-
TC40/ER40x100H	4240.14050	4240.14053	63	100	FWR505
TC40/ER40x160H	4240.14080	4240.14083	63	160	FWR505/505

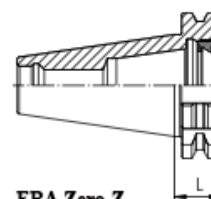
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 22000 min⁻¹

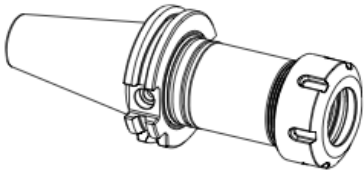


A+AD型



AD+B型

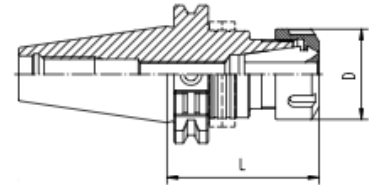
ERA Zero-Z
A+AD型



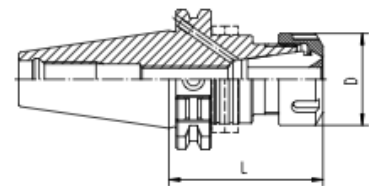
TC/ER刀柄

DIN 69871

型号	A+AD型 编号	AD+B型 编号	D [mm]	L [mm]	平衡环
TC50/ER16x100H	4250.11650	4250.11653	28	100	FWR505
TC50/ER16x160H	4250.11680	4250.11683	28	160	FWR505/225
TC50/ER16x200H	4250.11690	4250.11693	28	200	FWR505/225
TC50/ER20x070H	4250.12030	4250.12033	34	70	FWR325
TC50/ER20x100H	4250.12050	4250.12053	34	100	FWR325
TC50/ER25x070H	4250.12530	4250.12533	42	70	FWR405
TC50/ER25x100H	4250.12550	4250.12553	42	100	FWR405
TC50/ER25x160H	4250.12580	4250.12583	42	160	FWR405/325
TC50/ER25x200H	4250.12590	4250.12593	42	200	FWR405/325
TC50/ER32x100H	4250.13250	4250.13253	50	100	FWR505
TC50/ER32x160H	4250.13280	4250.13283	50	160	FWR505/405
TC50/ER32x200H	4250.13290	4250.13293	50	200	FWR505/405
TC50/ER40x100H	4250.14050	4250.14053	63	100	FWR505
TC50/ER40x160H	4250.14080	4250.14083	63	160	FWR505/505
TC50/ER40x200H	4250.14090	4250.14093	63	200	FWR505/505
TC50/ER50x100*	2250.15050	-	78	100	-

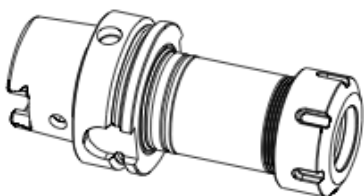


A+AD型



AD+B型

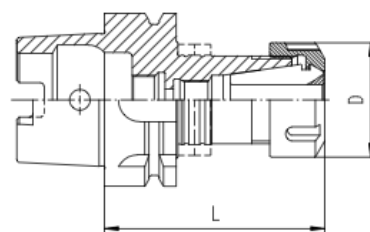
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 22000 min⁻¹



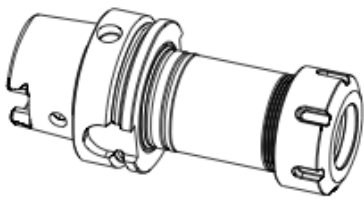
HSK-A/ER刀柄

DIN 69893/ ISO 12164

型号	A+AD型 编号	D [mm]	L [mm]	平衡环
HSK-A 32/ER11x050*	2532.11110	19	50	-
HSK-A 32/ER16x060*	2532.11620	28	60	-
HSK-A 32/ER20x060*	2532.12020	34	60	-
HSK-A 32/ER25x065*	2532.12520	42	65	-
HSK-A 40/ER16x080H	4540.11640	28	80	FWR225
HSK-A 40/ER25x080H	4540.12540	42	80	FWR325
HSK-A 50/ER16x100H	4550.11650	28	100	FWR325
HSK-A 50/ER25x080H	4550.12540	42	80	FWR325
HSK-A 50/ER25x100H	4550.12550	42	100	FWR325
HSK-A 50/ER32x100H	4550.13250	50	100	FWR405
HSK-A 63/ER11x100H	4563.11150	19	100	FWR325
HSK-A 63/ER16x080H	4563.11640	28	80	FWR325
HSK-A 63/ER16x100H	4563.11650	28	100	FWR325
HSK-A 63/ER16x160H	4563.11680	28	160	FWR325/225
HSK-A 63/ER20x075*	2563.12030	34	75	-
HSK-A 63/ER25x080H	4563.12540	42	80	FWR325
HSK-A 63/ER25x100H	4563.12550	42	100	FWR325
HSK-A 63/ER25x160H	4563.12580	42	160	FWR325
HSK-A 63/ER25x200H	4563.12590	42	200	FWR325/325
HSK-A 63/ER32x080H	4563.13240	50	80	FWR405
HSK-A 63/ER32x100H	4563.13250	50	100	FWR405
HSK-A 63/ER32x160H	4563.13280	50	160	FWR405
HSK-A 63/ER32x200H	4563.13290	50	200	FWR405/405
HSK-A 63/ER40x080*	2563.14040	63	80	-
HSK-A 63/ER40x120H	4563.14060	63	120	FWR405
HSK-A 63/ER40x160H	4563.14080	63	160	FWR505



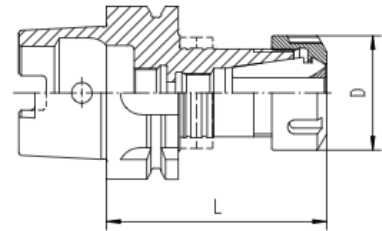
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹
- 中心出水需装佩KSR冷却管



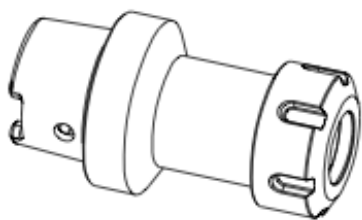
HSK-A/ER刀柄

DIN 69893/ ISO 12164

型号	A+AD型 编号	D [mm]	L [mm]	平衡环
HSK-A 80/ER16x100H	4580.11650	28	100	FWR325
HSK-A 80/ER16x160H	4580.11680	28	160	FWR325/225
HSK-A 80/ER32x100H	4580.13250	50	100	FWR405
HSK-A 80/ER40x120H	4580.14060	63	120	FWR505
HSK-A 100/ER16x100H	4500.11650	28	100	FWR405
HSK-A 100/ER16x160H	4500.11680	28	160	FWR405/225
HSK-A 100/ER16x200H	4500.11690	28	200	FWR405/225
HSK-A 100/ER25x100H	4500.12550	42	100	FWR405
HSK-A 100/ER25x160H	4500.12580	42	160	FWR405/325
HSK-A 100/ER25x200H	4500.12590	42	200	FWR405/225
HSK-A 100/ER32x100H	4500.13250	50	100	FWR405
HSK-A 100/ER32x160H	4500.13280	50	160	FWR405
HSK-A 100/ER40x120H	4500.14060	63	120	FWR505
HSK-A 100/ER40x200H	4500.14090	63	200	FWR505/505
HSK-A 125	需订制			



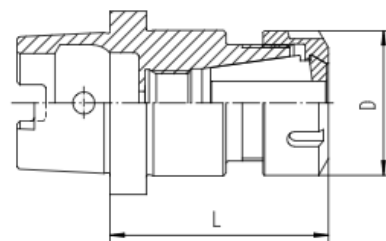
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹
- 中心出水需装佩KSR冷却管



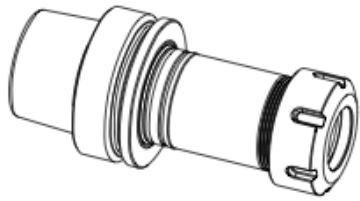
HSK-C/ER刀柄

DIN 69893/ ISO 12164

型号	A+AD型 编号	D [mm]	L [mm]
HSK-C32/ER16x060	2532.11622	28	60
HSK-C32/ER20x060	2532.12022	34	65
HSK-C32/ER25x070	2532.12532	42	70
HSK-C40/ER20x060	2540.12022	34	60
HSK-C40/ER25x070	2540.12532	42	70
HSK-C40/ER32x075	2540.13232	50	75
HSK-C50/ER25x070	2550.12532	42	70
HSK-C50/ER32x075	2550.13232	50	75
HSK-C50/ER40x080	2550.14042	63	80
HSK-C63/ER32x075	2563.13232	50	75
HSK-C63/ER40x080	2563.14042	63	80
HSK-C80	需订制		
HSK-C100	需订制		
HSK-C125	需订制		



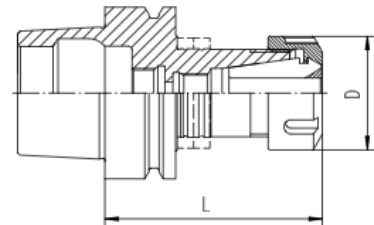
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹
- 中心出水需装佩KSR冷却管



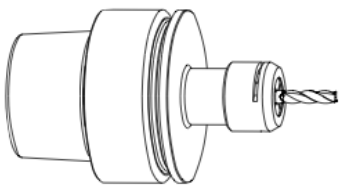
HSK-E/ER刀柄 HSK-F/ER刀柄

DIN 69893/ ISO 12164

型号	A+AD型 编号	D [mm]	L [mm]	平衡环
HSK-E25/ER16Mx048	2525.11618	22	48	-
HSK-E32/ER16Mx060	2532.11628	22	60	-
HSK-E32/ER20Mx060	2532.12028	28	60	-
HSK-E40/ER11x060H	4540.11124	19	60	FWR225
HSK-E40/ER16x060H	4540.11624	28	60	FWR225
HSK-E40/ER16x080H	4540.11644	28	80	FWR225
HSK-E40/ER20Mx075H	4540.12038	28	75	FWR285
HSK-E40/ER25Mx080H	4540.12548	35	80	FWR325
HSK-E50/ER16x060*	2550.11624	28	60	-
HSK-E50/ER16x100H	4550.11654	28	100	FWR325
HSK-E50/ER16x160H	4550.11684	28	160	FWR325/225
HSK-E50/ER20x070H	4550.12034	34	70	FWR325
HSK-E50/ER25x080H	4550.12544	42	80	FWR325
HSK-E50/ER25x100H	4550.12554	42	100	FWR325
HSK-E50/ER32x100H	4550.13254	50	100	FWR405
HSK-E50/ER32x160H	4550.13284	50	160	FWR405
HSK-E63/ER32x090H	4563.13244	50	90	FWR405
HSK-E63/ER40x080*	2563.14044	63	80	-
HSK-E63/ER40x120H	4563.14064	63	120	FWR505
HSK-F63/ER16x100H	4563.11655	28	100	FWR325
HSK-F63/ER32x100H	4563.13255	50	100	FWR405



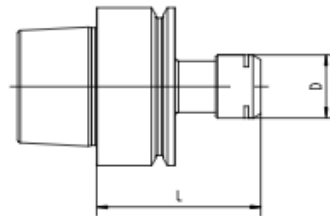
- H为可装佩动平衡环
- *不能使用动平衡环
- 精度 ≤ 0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹
- 中心出水需装佩KSR冷却管



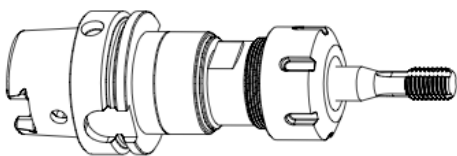
HSK-E/ER MS 高速微米加工

DIN 69893/ ISO 12164

型号	A+AD型 编号	D [mm]	L [mm]
HSK-E25/ER11 MSx035	2525.11109	16	35
HSK-E32/ER11 MSx038	2532.11109	16	38
HSK-E40/ER11 MSx040	2540.11119	16	40

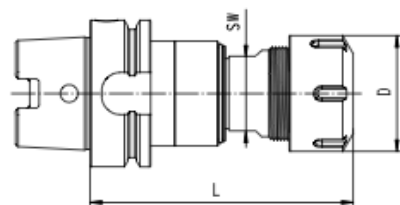


- 装佩高速ER MS螺帽
- 高速机或CNC加工机上使用
- 最高转速可达80000 min⁻¹
- 可搭配ER-ND筒夹(1.03页)，以达到最高精度

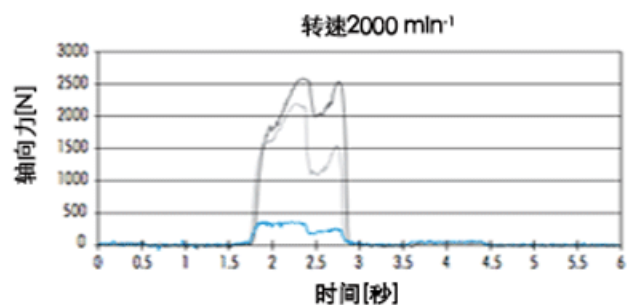
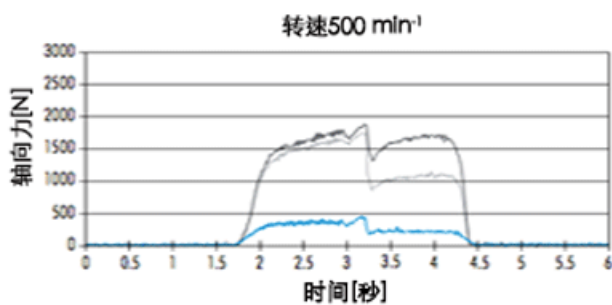


HSK-A SSY/ERC 同步攻牙夹头

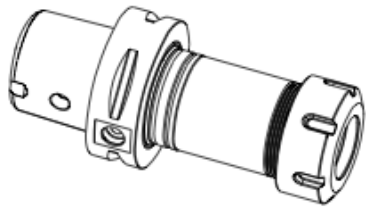
型号	A+AD型 编号	D [mm]	L [mm]	压缩 [mm]	伸长 [mm]	SW [mm]
HSK-A63 SSY / ERC20	2563.62000	34	95.5	0.5	0.5	19
HSK-A63 SSY / ERC32	2563.63200	50	108.8	0.5	0.5	32



- 刚性攻牙使用
- 需使用HiQ/ERC螺帽与防水套环
- 装备ER-GB刚性攻牙筒夹
- 具微小伸缩量，以补偿同步攻牙误差
- 可增加丝攻寿命达到150%



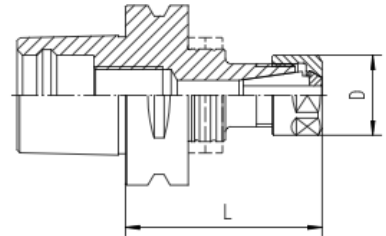
- REGO-FIX® 同步攻牙夹头
- 其他同步刚性攻牙夹头
- 刚性攻牙筒夹夹头



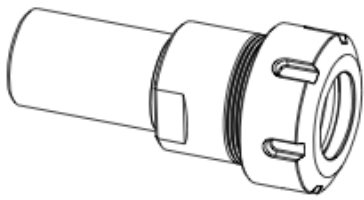
CAPTO/ER刀柄

ISO 26623

型号	A+AD型 编号	D [mm]	L [mm]	平衡环
C3/ER16x045*	2803.11610	28	45	-
C3/ER20x045*	2803.12010	34	45	-
C4/ER16x070*	2804.11630	28	70	-
C4/ER20x052*	2804.12010	34	52	-
C4/ER25x052*	2804.12510	42	52	-
C4/ER32x054*	2804.13210	50	54	-
C5/ER16x070H	4805.11630	28	70	FWR285
C5/ER16x100H	4805.11650	28	100	FWR285
C5/ER20x055*	2805.12010	34	55	-
C5/ER20x100H	4805.12050	34	100	FWR325
C5/ER25x055*	2805.12510	42	55	-
C5/ER25x100H	4805.12550	42	100	FWR405
C5/ER32x057*	2805.13210	50	57	-
C5/ER32x070H	4805.13230	50	70	FWR405
C5/ER32x100H	4805.13250	50	100	FWR405
C6/ER11x150H	4806.11170	19	150	FWR325
C6/ER16x070H	4806.11630	28	70	FWR325
C6/ER16x100H	4806.11650	28	100	FWR325
C6/ER16x150H	4806.11670	28	150	FWR325
C6/ER20x060*	2806.12020	34	60	-
C6/ER25x060*	2806.12520	42	60	-
C6/ER25x100H	4806.12550	42	100	FWR405
C6/ER25x130H	4806.12560	42	130	FWR405
C6/ER32x060*	2806.13220	50	60	-
C6/ER32x070H	4806.13230	50	70	FWR405
C6/ER32x100H	4806.13250	50	100	FWR505
C6/ER40x065*	2806.14020	63	65	-
C8/ER25x070*	2808.12530	42	70	-
C8/ER32x070*	2808.13230	50	70	-
C8/ER40x070*	2808.14030	63	70	-
C8/ER50x080*	2808.15040	78	80	-

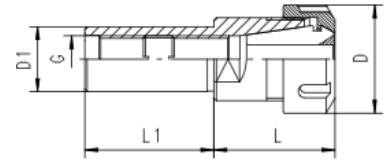


- H为可装佩动平衡环
- *不能使用动平衡环
- 精度0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹

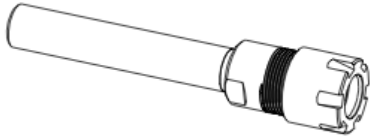


CYL/ER 延长杆 小径夹头

型号	编号	D [mm]	D1h6 [mm]	L [mm]	L1 [mm]	G [mm]
CYL 1/2"x70/ER11	2613.11141	19	12.7	28.5	70	M6
CYL 1/2"x100/ER16	2613.11661	28	12.7	36.0	100	M6
CYL 1/2"x100/ER20	2613.12061	34	12.7	44.5	100	M6
CYL 14x060/ER16	2614.11630	28	14	36.5	60	M6
CYL 16x060/ER16	2616.11630	28	16	36.5	60	M8x1
CYL 5/8"x060/ER16	2616.11631	28	15.875	36.5	60	M8x1
CYL 5/8"x100/ER20	2616.12061	34	15.875	44.5	100	M8x1
CYL 3/4"x050/ER16	2619.11621	28	19.05	30.5	50	M12x1
CYL 3/4"x100/ER16	2619.11661	28	19.05	30.5	100	M12x1
CYL 3/4"x060/ER20	2619.12031	34	19.05	36.5	60	M12x1
CYL 3/4"x050/ER25	2619.12521	42	19.05	47.0	50	M12x1
CYL 20x050/ER16	2620.11620	28	20	30.5	50	M12x1
CYL 20x100/ER16	2620.11660	28	20	30.5	100	M12x1
CYL 20x030/ER20	2620.12010	34	20	36.5	30	M12x1
CYL 20x060/ER20	2620.12030	34	20	36.5	60	M12x1
CYL 20x050/ER25	2620.12520	42	20	47.0	50	M12x1
CYL 20x100/ER25	2620.12560	42	20	47.0	100	M12x1
CYL 20x050/ER32	2620.13220	50	20	54.0	50	M12x1
CYL 20x100/ER32	2620.13260	50	20	54.0	100	M12x1
CYL 1"x100/ER20	2625.12061	34	25.40	39.5	100	M12x1
CYL 1"x050/ER25	2625.12521	42	25.40	47.0	50	M18x1.5
CYL 1"x100/ER25	2625.12561	42	25.40	47.0	100	M18x1.5
CYL 1"x050/ER32	2625.13221	50	25.40	53.0	50	M18x1.5
CYL 1"x050/ER40	2625.14021	63	25.40	60.0	50	M18x1.5
CYL 25x050/ER25	2625.12520	42	25	47.0	50	M18x1.5
CYL 25x100/ER25	2625.12560	42	25	47.0	100	M18x1.5
CYL 25x050/ER32	2625.13220	50	25	54.0	50	M18x1.5
CYL 25x050/ER40	2625.14020	63	25	60.0	50	M18x1.5
CYL 30x050/ER25	2630.12520	42	30	42.0	50	M18x1.5
CYL 30x050/ER32	2630.13220	50	30	53.0	50	M22x1.5
CYL 1 1/4"x060/ER32	2632.13231	50	31.75	53.0	60	M22x1.5



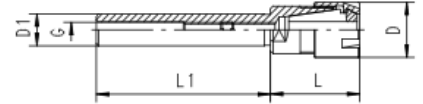
- 精度 ≤ 0.003 mm
- 使用HiQ/ER标准螺帽



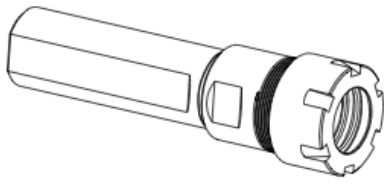
CYL/ER M

延长杆 小径夹头

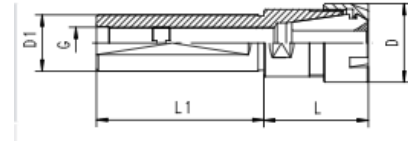
型号	编号	D [mm]	D1h6 [mm]	L [mm]	L1 [mm]	G [mm]	for Manurhin	for Tornos
CYL 06x045/ER11M	2606.21120	16	6	26.5	45	-		
CYL 07x045/ER11M	2607.21120	16	7	26.5	45	-		
CYL 08x080/ER8M	2608.20850	12	8	26.0	80	-		
CYL 08x056/ER11M	2608.21130	16	8	26.5	56	-	■	
CYL 3/8"x070/ER8M	2609.20841	12	9.52	23.0	70	M5		
CYL 10x060/ER16M	2610.21630	22	10	38.5	60	-		
CYL 12x080/ER8M	2612.20850	12	12	17.0	80	-		
CYL 12x080/ER16M	2612.21650	22	12	38.5	80	-		
CYL 1/2"x140/ER11M	2613.21191	16	12.7	29.5	140	M6		
CYL 1/2"x140/ER16M	2613.21691	22	12.7	37.0	140	M6		
CYL 15x100/ER20M	2615.22060	28	15	42.5	100	-		
CYL 16x150/ER11M	2616.21190	16	16	21.0	150	M8x1		
CYL 16x100/ER20M	2616.22060	28	16	42.5	100	-		
CYL 5/8"x150/ER11M	2616.21191	16	15.87	22.5	150	M8x1		
CYL 3/4"x155/ER16M	2619.21691	22	19.05	26.5	155	M12x1		
CYL 3/4"x100/ER25M	2619.22561	35	19.05	47.0	100	M12x1		
CYL 20x155/ER16M	2620.21690	22	20	26.5	155	M12x1		■
CYL 25x155/ER20M	2625.22090	28	25	26.5	155	M14x1		■
CYL 1"x155/ER20M	2625.22091	28	25.5	26.5	155	M14x1	■	



- 精度 ≤ 0.003 mm
- 使用HiQ/ER M螺帽

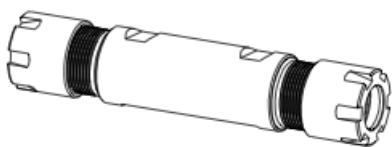


CYL/ER M 延长杆 小径夹头



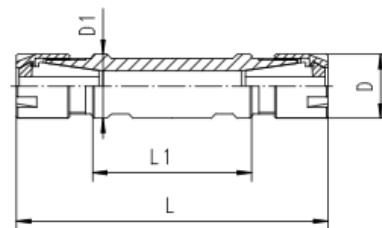
型号	编号	D [mm]	D1h6 [mm]	L [mm]	L1 [mm]	G [mm]	for Citizen	for Manurhin	for Schutte	for Star	for Tornos
CYL5/8"x043/ER8MF	2616.20811	12	15.875	15	43	M5	■				
CYL16 x038/ER11MF	2616.21112	16	16	20	38	M8x1				■	
CYL16 x140/ER11MF	2616.21192	16	16	60	140	M8x1					
CYL16 x035/ER16MF	2616.21612	22	16	38	35	M8x1				■	
CYL3/4"x115/ER11MF	2616.21173	16	19.05	20	115	M8x1	■				
CYL3/4"x038/ER16MF	2616.21613	22	19.05	28	38	M12x1	■				
CYL3/4"x050/ER16MF	2616.21623	22	19.05	28	50	M12x1	■				
CYL3/4"x070/ER16MF	2616.21643	22	19.05	28	70	M12x1	■				
CYL3/4"x120/ER16MF	2616.21683	22	19.05	28	120	M12x1	■				
CYL3/4"x140/ER16MF	2616.21693	22	19.05	28	140	M12x1	■				
CYL20 x050/ER16MF	2620.21622	22	20	28	50	M12x1	■	■			
CYL20 x070/ER16MF	2620.21642	22	20	28	70	M12x1	■				
CYL20 x060/ER11MF	2620.21132	16	20	20	60		■				
CYL20 x120/ER16MF	2620.21682	22	20	28	120	M12x1	■				
CYL20 x140/ER16MF	2620.216892	22	20	8	140	M12x1	■	■			
CYL22 x038/ER16MF	2622.21612	22	22	28	38	M12x1				■	
CYL22 x070/ER16MF	2622.21642	22	22	28	70	M12x1				■	
CYL22 x100/ER16MF	2622.21662	22	22	28	100	M12x1				■	
CYL22 x080/ER20MF	2622.22052	28	22	39	80	M12x1				■	
CYL22 x070/ER25MF	2622.22542	35	22	47	70	M12x1				■	
CYL25 x065/ER16MF	2625.21642	22	25	28	65	M12x1					
CYL25 x100/ER20MF	2625.22062	28	25	28	100	M14x1					■
CYL25 x154/ER20MF	2625.22002	28	25	28	154	M14x1					■
CYL25 x075/ER25MF	2625.22552	35	25	47	75	M14x1		■			
CYL25 x145/ER25MF	2625.22592	35	25	36	145	M14x1		■			■
CYL1" x033/ER16MF	2625.21613	22	25.4	28	33	M12x1					
CYL1" x065/ER16MF	2625.21643	22	25.4	28	65	M12x1		■			
CYL1" x075/ER16MF	2625.21653	22	25.4	28	75	M12x1	■				
CYL1" x100/ER16MF	2625.21663	22	25.4	28	100	M12x1	■				
CYL1" x100/ER20MF	2625.22063	28	25.4	28	100	M14x1	■	■			
CYL1" x140/ER20MF	2625.22093	28	25.4	28	140	M14x1	■				
CYL32 x070/ER25MF	2632.22542	35	32	30	70	M18x1.5			■		

- 精度 ≤ 0.003 mm
- 使用HiQ/ER M螺

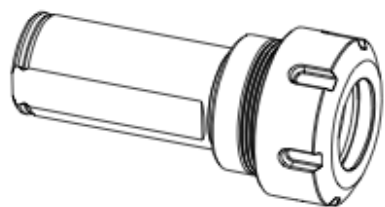


CYD/ ER MF
 延长杆
 小径夹头

型号	编号	D [mm]	D1h6 [mm]	L [mm]	L1 [mm]	for Citizen	for Manurhin	for Star
CYD5/8"x015/ER8MF	2616.20805	12	15.875	45	15	■		
CYD5/8"x025/ER8MF	2616.20895	12	15.875	55	25	■		
CYD16x040/ER11MF	2616.21114	16	16	79	40		■	
CYD16x050/ER11MF	2616.21124	16	16	90	50		■	
CYD3/4"x040/ER11MF	2619.21125	16	19.05	80	40	■		
CYD3/4"x070/ER11MF	2619.21145	16	19.05	110	70	■		
CYD3/4"x090/ER11MF	2619.21165	16	19.05	130	90	■		
CYD3/4"x055/ER16MF	2619.21635	22	19.05	107	55	■		
CYD20x030/ER11MF	2620.21114	16	20	70	30	■		
CYD20x050/ER11MF	2620.21124	16	20	90	50	■		
CYD20x055/ER16MF	2620.21634	22	20	107	55	■		
CYD22x055/ER16MF	2622.21634	22	22	111	55			■
CYD22x075/ER16MF	2622.21654	22	22	131	75			■
CYD25x062/ER16MF	2625.21634	22	25	117	62		■	
CYD1"x030/ER16MF	2625.21615	22	25.4	85	30	■		
CYD1"x062/ER16MF	2625.21635	22	25.4	118	62		■	
CYD32x055/ER20MF	2632.22034	28	32	111	55			■
CYD32x075/ER20MF	2632.22054	28	32	131	75			■

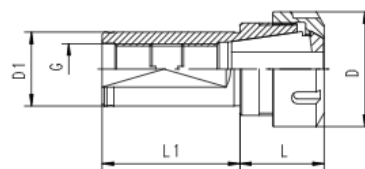


- 精度 ≤ 0.003 mm
- 使用HiQ/ER M螺帽
- 双头，两边皆可装夹刀具

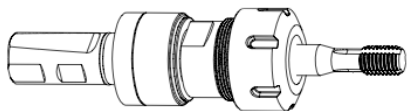


CYL/ER NC
 延长杆
 小径夹头

型号	编号	D [mm]	D1h6 [mm]	L [mm]	L1 [mm]	G [mm]
CYL 32x060/ER25 NC	2632.12532	42	32	32	60	M18x1.5
CYL 32x060/ER32 NC	2632.13232	50	32	38	60	M22x1.5
CYL 40x080/ER32 NC	2640.13252	50	40	33	80	M22x1.5
CYL 40x075/ER40 NC	2640.14052	63	40	55	75	M22x1.5



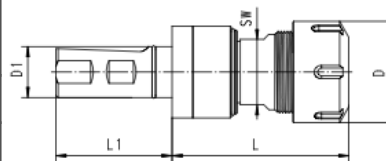
- 精度 ≤ 0.003 mm
- 使用HiQ/ER螺帽
- 具侧边夹持平面



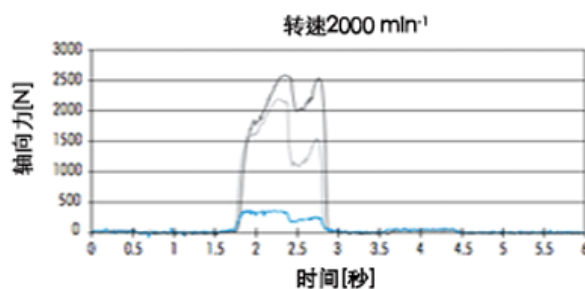
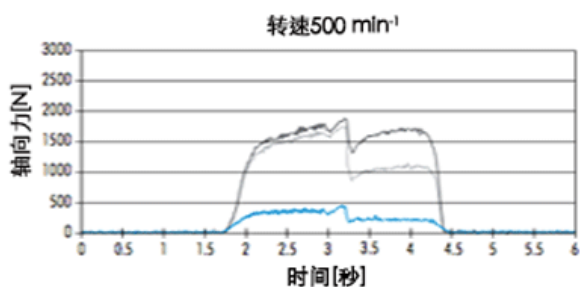
CYL SSY / ERC 同步攻牙夹头

DIN 1835 B+E

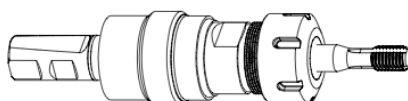
型号	编号	D [mm]	D1 [mm]	L [mm]	L1 [mm]	压缩 [mm]	伸长 [mm]	SW [mm]
CYL 25 SSY / ERC 20	2625.62000	34	25	73	57	0.5	0.5	19
CYL 25 SSY / ERC 32	2625.63200	50	25	87.5	57	0.5	0.5	32



- 刚性攻牙使用
- 需使用HiQ/ERC螺帽与防水套环
- 装备ER-GB刚性攻牙筒夹
- 具微小伸缩量，以补偿同步攻牙误差
- 可增加丝攻寿命达到150%

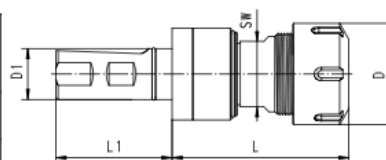


— REGO-FIX® 同步攻牙夹头
— 其他同步刚性攻牙夹头
— 刚性攻牙筒夹夹头

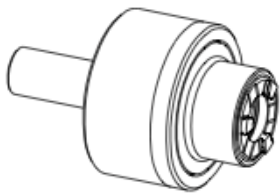


CYL GSF / ERC 攻牙夹头 轴向补偿收缩

型号	编号	D [mm]	D1 [mm]	L [mm]	L1 [mm]	压缩 [mm]	伸长 [mm]	SW [mm]
CYL 25 GSF / ERMC 20	2625.62001	28	25	85	57	5.0	7.5	24
CYL 25 GSF / ERC 32	2625.63201	50	25	115	57	7.0	10.0	34



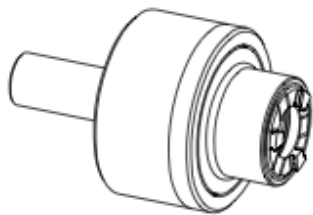
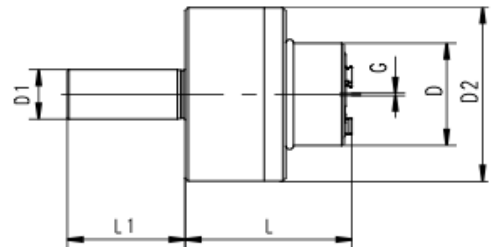
- 柔性攻牙使用
- 需使用HiQ/ERC螺帽与防水套环
- 装备ER-GB筒夹



浮动夹头PH/ER 无中心出水

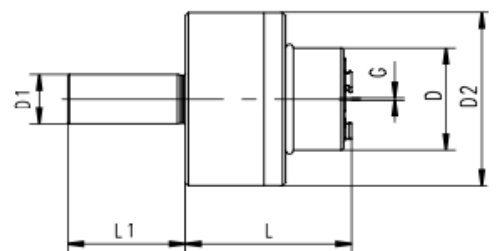
型号	编号	D [mm]	D1h6 [mm]	D2 [mm]	G 浮动量 [mm]	L [mm]	L1 [mm]
PH 5/8"/ER11	2616.91102	22	15.88	38	0.8	36	34
PH 16 /ER11	2616.91100	22	16.00	38	0.8	36	34
PH 3/4"/ER11	2619.91102	22	19.05	38	0.8	36	34
PH 20/ER11	2620.91100	22	20.00	38	0.8	36	34
PH 22/ER11	2622.91100	22	22.00	38	0.8	36	34

- 立式或卧式皆可使用
- 对于攻牙和铰孔极佳的工具
- 只会垂直于轴心浮动，入口时立即找到正中心
- 浮动量可调整
- 双重密封防止切屑与切削液进入
- 滚珠和滑动轴成的组合



浮动夹头PHC/ER 有中心出水

型号	编号	D [mm]	D1h6 [mm]	D2 [mm]	G 浮动量 [mm]	L [mm]	L1 [mm]
PH 5/8"/ER20	2616.92004	33	15.88	56	1.0	53.5	38
PH 16 /ER20	2616.92003	33	16.00	56	1.0	53.5	38
PH 3/4"/ER20	2619.92004	33	19.05	56	1.0	53.5	38
PH 20/ER20	2620.92003	33	20.00	56	1.0	53.5	38
PH 22/ER20	2622.92003	33	22.00	56	1.0	53.5	38
PH 25/ER20	2625.92003	33	25.00	56	1.0	53.5	38
PH 1"/ER20	2625.92004	33	25.40	56	1.0	53.5	38
PHC 3/4"/ER32	2619.93204	46	19.05	70	1.5	64.5	46
PHC 20/ER32	2620.93203	46	20.00	70	1.5	64.5	46
PHC 22/ER32	2622.93203	46	22.00	70	1.5	64.5	46
PHC 25/ER32	2625.93203	46	25.00	70	1.5	64.5	46
PHC 1"/ER32	2625.93204	46	25.40	70	1.5	64.5	46
PHC 32/ER32	2632.93203	46	32	70	1.5	64.5	46
PHC 1 1/4"/ER32	2632.93204	46	31.75	70	1.5	64.5	46
PHC 1 3/4"/ER32	2644.93204	46	44.45	70	1.5	64.5	46



- 具中心出水
- 立式或卧式皆可使用
- 对于攻牙和铰孔极佳的工具
- 只会垂直于轴心浮动，入口时立即找到正中心
- 浮动量可调整
- 双重密封防止切屑与切削液进入
- 滚珠和滑动轴成的组合

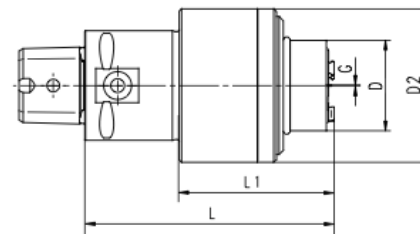


PHC/ER REGO-FIX CAPTO 浮动夹头

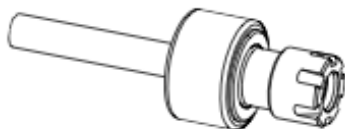


Certified by Sandvik

型号	编号	D [mm]	D2 [mm]	G 浮动量 [mm]	L [mm]	L1 [mm]
PHC-C3 /ER20	2803.92003	33	56	0.8	91	53.5
PHC-C4 /ER20	2804.92003	33	56	0.8	91	56.5
PHC-C4 /ER32	2804.93203	46	70	0.8	100	64.0

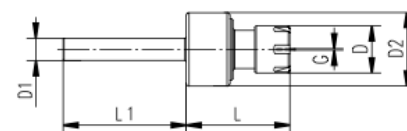


- CAPTO柄，用于车铣复合机
- 立式或卧式皆可使用
- 对于攻牙和铰孔极佳的工具
- 只会垂直于轴心浮动，入口时立即找到正中心
- 浮动量可调整
- 双重密封防止切屑与切削液进入
- 滚珠和滑动轴成的组合

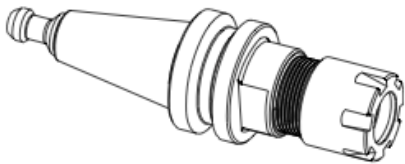


浮动夹头 MPH/ERM

型号	编号	D [mm]	D1h6 [mm]	D2 [mm]	G 浮动量 [mm]	L [mm]	L1 [mm]
MPH 8 / ER11M	2608.91107	16	8.0	25	0.5	35	42
MPH10 / ER11M	2610.91107	16	10.00	25	0.5	35	42
MPH16 / ER11M	2616.91107	16	16.00	25	0.5	35	42
MPH3/4" / ER11M	2619.91108	16	19.05	25	0.5	35	70
MPH20 / ER11M	2620.91107	16	20.00	25	0.5	35	42
MPH22 / ER11M	2622.91107	16	22.00	25	0.5	35	42
MPH25 / ER11M	2625.91107	16	25.00	25	0.5	35	42
MPH 1" / ER11M	2625.91108	16	25.40	25	0.5	35	42

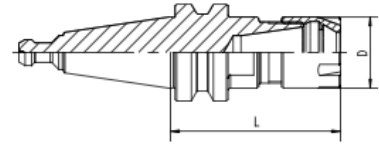


- 狭小的设计，以增加空间
- 立式或卧式皆可使用
- 对于攻牙和铰孔极佳的工具
- 只会垂直于轴心浮动，入口时立即找到正中心
- 浮动量可调整
- 双重密封防止切屑与切削液进入
- 滚珠和滑动轴成的组合

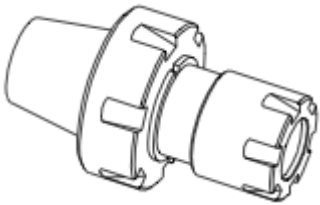


ISO/ER刀柄

型号	A+AD型 编号	D [mm]	L [mm]
ISO 20/ ERM11 x048 HASS	2420.11116	16	46
ISO 20/ ERM16 x053 HASS	2420.11616	22	53
ISO 20/ ERM20 x055 HASS	2420.12016	28	55



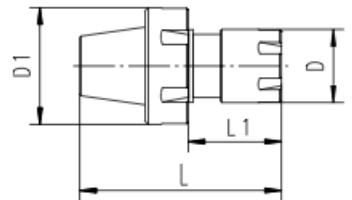
- 精度 ≤ 0.003 mm
- 动平衡达到G2.5 @ 25000 min⁻¹



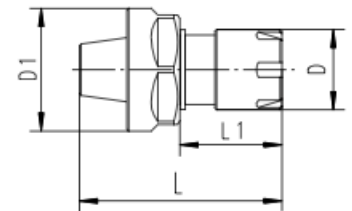
ER(M)/ERM 弹簧夹头减径套

型号	编号	L [mm]	L1 [mm]	D1 [mm]	D [mm]	For Tornos
ER11M /ER8M	7161.11080	33	16.5	16	12	■
ER16M /ER11M	7161.16110	42.5	18.5	23	16	■
ER20M /ER16M	7161.20160	55.5	28	28	22	■
ER25M /ER16M	7161.25160	60.5	28	35	22	■
ER25M /ER20M	7161.25200	60.5	28	35	28	■
ER11 /ER8M	7162.11080	33	16.5	19	12	■
ER20 /ER16M	7162.20160	55.5	28	34	22	■
ER25 /ER16M	7162.25160	60.5	28	42	22	■
ER25 /ER20M	7162.25200	60.5	28	42	28	■

ERM/ERM型
Mini 型螺牙



ER/ERM型
标准螺牙



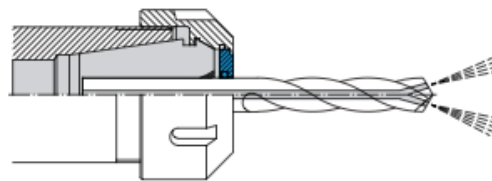
- 快速换刀系统，可预先装备好
- 长度预调，刀具长度可在机外直接调好
- 最小的外形尺寸，通过使用HiQ/ERM螺帽可得到最小外型尺寸



止水环DS/ER

夹持范围		Ø [inch]	DS/ER16 编号	DS/ER20 编号	DS/ER25 编号	DS/ER32 编号	DS/ER40 编号
mm	inch						
3.00- 2.50	0.1181-0.0984	3/32"	3916.00300	3920.00300	3925.00300	3932.00300	3940.00300*
3.50- 3.00	0.1378-0.1181	1/8"	3916.00350*	3920.00350*	3925.00350*	3932.00350*	3940.00350*
4.00- 3.50	0.1575-0.1378	5/32"	3916.00400*	3920.00400*	3925.00400*	3932.00400*	3940.00400*
4.50- 4.00	0.1772-0.1575	-	3916.00450*	3920.00450*	3925.00450*	3932.00450*	3940.00450*
5.00- 4.50	0.1969-0.1772	3/16"	3916.00500*	3920.00500*	3925.00500*	3932.00500*	3940.00500*
5.50- 5.00	0.2165-0.1969	7/32"	3916.00550*	3920.00550*	3925.00550*	3932.00550*	3940.00550*
6.00- 5.50	0.2362-0.2165	-	3916.00600*	3920.00600*	3925.00600*	3932.00600*	3940.00600*
6.50- 6.00	0.2559-0.2362	1/4"	3916.00650*	3920.00650*	3925.00650*	3932.00650*	3940.00650*
7.00- 6.50	0.2756-0.2559	-	3916.00700*	3920.00700*	3925.00700*	3932.00700*	3940.00700*
7.50- 7.00	0.2953-0.2756	9/32"	3916.00750*	3920.00750*	3925.00750*	3932.00750*	3940.00750*
8.00- 7.50	0.3150-0.2953	5/16"	3916.00800*	3920.00800*	3925.00800*	3932.00800*	3940.00800*
8.50- 8.00	0.3347-0.3150	-	3916.00850*	3920.00850*	3925.00850*	3932.00850*	3940.00850*
9.00- 8.50	0.3543-0.3347	11/32"	3916.00900*	3920.00900*	3925.00900*	3932.00900*	3940.00900*
9.50- 9.00	0.3740-0.3543	3/8"	3916.00950*	3920.00950*	3925.00950*	3932.00950*	3940.00950*
10.00- 9.50	0.3937-0.3740	-	3916.01000*	3920.01000*	3925.01000*	3932.01000*	3940.01000*
10.50-10.00	0.4134-0.3937	13/32"	-	3920.01050*	3925.01050*	3932.01050*	3940.01050*
11.00-10.50	0.4330-0.4134	-	-	3920.01100*	3925.01100*	3932.01100*	3940.01100*
11.50-11.00	0.4528-0.4330	7/16"	-	3920.01150*	3925.01150*	3932.01150*	3940.01150*
12.00-11.50	0.4724-0.4528	15/32"	-	3920.01200*	3925.01200*	3932.01200*	3940.01200*
12.50-12.00	0.4921-0.4724	-	-	3920.01250*	3925.01250*	3932.01250*	3940.01250*
13.00-12.50	0.5118-0.4921	1/2"	-	3920.01300*	3925.01300*	3932.01300*	3940.01300*
			-	-	下页接续	下页接续	下页接续

- *表示整组包含在里面
- 需搭配止水螺帽使用

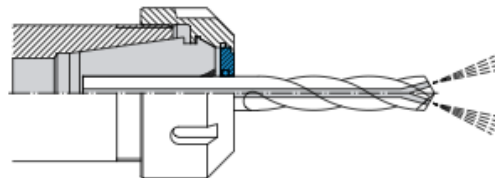




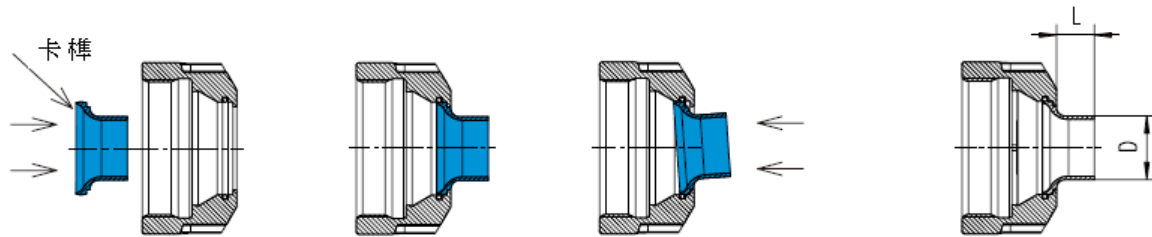
密封环DS/ER

夹持范围		Ø [inch]	DS/ER16 编号	DS/ER20 编号	DS/ER25 编号	DS/ER32 编号	DS/ER40 编号
mm	inch						
13.50-13.00	0.5315-0.5118	17/32"	-	-	3925.01350*	3932.01350*	3940.01350*
14.00-13.50	0.5512-0.5315	-	-	-	3925.01400	3932.01400	3940.01400*
14.50-14.00	0.5709-0.5512	9/16"	-	-	3925.01450*	3932.01450*	3940.01450*
15.00- 14.50	0.5905-0.5709	-	-	-	3925.01500*	3932.01500*	3940.01500*
15.50- 15.00	0.6102-0.5905	19/32"	-	-	3925.01550*	3932.01550*	3940.01550*
16.00- 15.50	0.6300-0.6102	5/8"	-	-	3925.01600*	3932.01600*	3940.01600*
16.50- 16.00	0.6496-0.6300	-	-	-	3925.01650*	3932.01650*	3940.01650*
17.00- 16.50	0.6693-0.6496	21/32"	-	-	3925.01700*	3932.01700*	3940.01700*
17.50- 17.00	0.6890-0.6693	11/16"	-	-	3925.01750*	3932.01750*	3940.01750*
18.00- 17.50	0.7087-0.6890	-	-	-	3925.01800*	3932.01800*	3940.01800*
18.50- 18.00	0.7284-0.7087	23/32"	-	-	3925.01850*	3932.01850*	3940.01850*
19.00- 18.50	0.7480-0.7284	3/4"	-	-	3925.01900*	3932.01900*	3940.01900*
19.50- 19.00	0.7677-0.7480	-	-	-	3925.01950*	3932.01950*	3940.01950*
20.00- 19.50	0.7874-0.7677	25/32"	-	-	3925.02000*	3932.02000*	3940.02000*
20.50- 20.00	0.8071-0.7874	-	-	-	-	-	3940.02050*
21.00- 20.50	0.8268-0.8071	13/16"	-	-	-	-	3940.02100*
21.50- 21.00	0.8465-0.8268	27/32"	-	-	-	-	3940.02150*
22.00- 21.50	0.8661-0.8465	-	-	-	-	-	3940.02200*
22.50-22.00	0.8858-0.8661	7/8"	-	-	-	-	3940.02250*
23.00-22.50	0.9055-0.8858	29/32"	-	-	-	-	3940.02300*
23.50-23.00	0.9252-0.9055	-	-	-	-	-	3940.02350*
24.00-23.50	0.9449-0.9252	15/16"	-	-	-	-	3940.02400*
24.50-24.00	0.9646-0.9449	-	-	-	-	-	3940.02450*
25.00-24.50	0.9843-0.9646	31/32"	-	-	-	-	3940.02500*
25.50-25.00	1.0039-0.9843	1"	-	-	-	-	3940.02550*
26.00-25.50	1.0236-1.0039	-	-	-	-	-	3940.02600*

- *表示整组包含在里面
- 需搭配止水螺帽使用

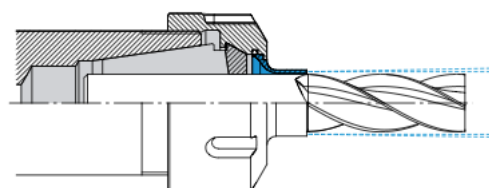


集水环



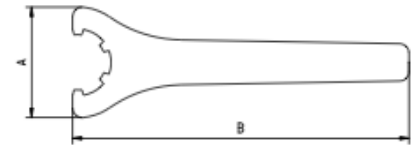
尺寸 [mm]	Ø [inch]	KS/ER16 编号	L [mm]	D [mm]	KS/ER20 编号	L [mm]	D [mm]	KS/ER25 编号	L [mm]	D [mm]	KS/ER32 编号	L [mm]	D [mm]
3.000	-	3916.20300	11.0	6.4	3920.20300	11.0	6.4	3925.20300	11.0	6.4	3932.20300	11.0	6.4
3.175	1/8"	3916.30318	11.0	6.6	3920.30318	11.0	6.6	3925.30318	11.0	6.6	3932.30318	11.0	6.6
4.000	-	3916.20400	11.0	7.4	3920.20400	11.0	7.4	3925.20400	11.0	7.4	3932.20400	11.0	7.4
4.763	3/16"	3916.30476	11.0	8.2	3920.30476	11.0	8.2	3925.30476	11.0	8.2	3932.30476	11.0	8.2
5.000	-	3916.20500	11.0	8.4	3920.20500	11.0	8.4	3925.20500	11.0	8.4	3932.20500	11.0	8.4
6.000	-	3916.20600	11.0	9.4	3920.20600	11.0	9.4	3925.20600	11.0	9.4	3932.20600	11.0	9.4
6.350	1/4"	3916.30635	11.0	9.7	3920.30635	11.0	9.7	3925.30635	11.0	9.7	3932.30635	11.0	9.7
7.000	-	3916.20700	11.0	12.0	3920.20700	11.0	10.4	3925.20700	11.0	10.4	3932.20700	11.0	10.4
7.938	5/16"	3916.30794	11.0	11.0	3920.30794	11.0	11.3	3925.30794	11.0	11.3	3932.30794	11.0	11.3
8.000	-	3916.20800	11.0	11.0	3920.20800	11.0	11.4	3925.20800	11.0	11.3	3932.20800	11.0	11.4
9.000	-	3916.20900	3.0	11.0	3920.20900	11.0	12.4	3925.20900	11.0	12.4	3932.20900	11.0	12.4
9.525	3/8"	3916.30953	3.0	11.0	3920.30953	11.0	14.0	3925.30953	11.0	12.9	3932.30953	11.0	12.9
10.000	-	3916.21000	3.0	11.0	3920.21000	11.0	14.0	3925.21000	11.0	13.4	3932.21000	11.0	13.4
11.113	7/16"	-	-	-	3920.31111	11.0	14.0	3925.31111	11.0	14.5	3932.31111	11.0	14.5
12.000	-	-	-	-	3920.21200	3.0	14.0	3925.21200	11.0	15.4	3932.21200	11.0	15.4
12.700	1/2"	-	-	-	3920.31270	3.0	14.0	3925.31270	11.0	16.1	3932.31270	11.0	16.1
14.000	-	-	-	-	-	-	-	3925.21400	11.0	17.4	3932.21400	11.0	17.4
14.288	9/16"	-	-	-	-	-	-	3925.31429	11.0	17.7	3932.31429	11.0	17.7
15.875	5/8"	-	-	-	-	-	-	3925.31588	11.0	19.0	3932.31588	11.0	19.3
16.000	-	-	-	-	-	-	-	3925.21600	11.0	19.0	3932.21600	11.0	19.4
18.000	-	-	-	-	-	-	-	-	-	-	3932.21800	11.0	19.4
19.050	3/4"	-	-	-	-	-	-	-	-	-	3932.31950	11.0	24.0
20.000	-	-	-	-	-	-	-	-	-	-	3932.22000	11.0	24.0

- 需搭配止水螺帽使用
- 根据刀具的柄径替换集水环
- 极佳的冷却与润滑效果
- 优良的刀具寿命与切屑的移除

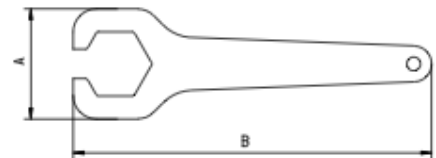


扳手

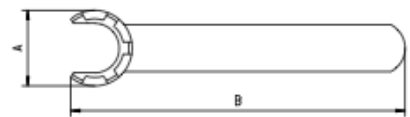
型号	编号	尺寸	A [mm]	B [mm]	for HiQ/ER	for HiQ/ERC	for HiQ/ERB	for HiQ/ERBC	for HiQ/ERM	for HiQ/ERMC	for ERMS	for ERAX	for ERAXC
E16	7111.16000	ER16	50	160									
E20	7111.20000	ER20	55	180									
E25	7111.25000	ER25	65	210	■	■	■	■					
E32	7111.32000	ER32	75	250	■	■	■	■					
E40	7111.40000	ER40	90	290	■	■	■	■					
E50	7111.50000	ER50	110	350	■	■							
E11P	7112.11010	ER11	32	95	■	■							
E16P	7112.16010	ER16	44	145	■	■	■	■					
E20P	7112.20010	ER20	52	170	■	■	■	■					
E8M	7113.08000	ER8	12.4	74					■				
E11M	7113.11000	ER11	16.8	95					■	■			
E16M	7113.16000	ER16	22.5	117					■	■			
E20M	7113.20000	ER20	29	129					■	■			
E25M	7113.25000	ER25	36	141					■	■			
E8 MS	7114.08000	ER8	19.2	76							■		
E11 MS	7114.11000	ER11	22.0	100							■		
E16 MS	7114.16000	ER16	33.0	130							■		
E20 MS	7114.20000	ER20	42.0	140							■		
E11AX	7117.11000	ER11	16.5	108								■	
E16AX	7117.16000	ER16	22.5	131								■	■
E20AX	7117.20000	ER20	26.0	148								■	■
E25AX	7117.25000	ER25	29.5	162								■	■
E32AX	7117.32000	ER32	37.5	196								■	■
E40AX	7117.40000	ER40	47.5	220								■	■



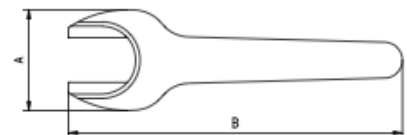
Type E



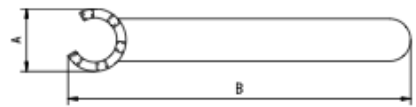
Type E P



Type E M



Type E MS



Type E AX

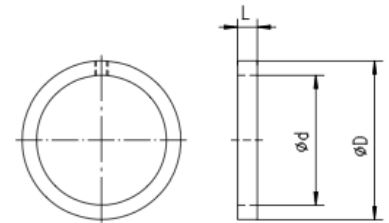
- 依据螺帽与ER尺寸来选择扳手



HiQ® 平衡环

型号	编号	d [mm]	D [mm]	L [mm]	平衡能力 [gmm]	最高转速 [RPM]
Set FWR225	7490.22500	22.5	30.5	6.0	16	80000
Set FWR285	7490.28500	28.5	36.5	6.0	22	70000
Set FWR325	7490.32500	32.5	40.5	6.0	28	60000
Set FWR405	7490.40500	40.5	48.5	6.0	40	50000
Set FWR505	7490.50500	50.5	60.5	7.0	85	42000

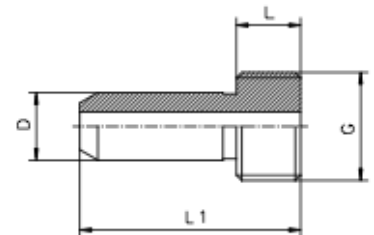
- 1组2只平衡环

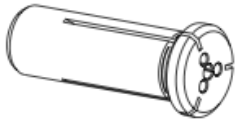


KSR冷却管

用在HSK-A和HSK-E需要中心出水时使用

型号	编号	For HSK	G	D [mm]	L [mm]	扳手	扳手型号
KSR 25	7211.25000	HSK 25	M8x1.0	5.00	4.5	SKR25	7212.25000
KSR 32	7211.32000	HSK 32	M10x1.0	6.00	5.5	SKR32	7212.32000
KSR 40	7211.40000	HSK 40	M12x1.0	8.00	7.5	SKR40	7212.40000
KSR 50	7211.50000	HSK 50	M16x1.0	10.00	9.5	SKR50	7212.50000
KSR 63	7211.63000	HSK 63	M18x1.0	12.00	11.5	SKR63	7212.63000
KSR 80	7211.80000	HSK 80	M20x1.5	14.00	13.5	SKR80	7212.80000
KSR 100	7211.00000	HSK 100	M24x1.5	16.00	15.5	SKR100	7212.00000

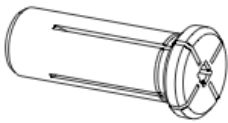




液压筒夹HS-MB

Ø夹持直径		HS12-MB 产品编号
mm	inch	
1.000	0.0394	1912.01009
1.500	0.0591	1912.01509
2.000	0.0787	1912.02009
2.500	0.0984	1912.02509

- 跳动精度 ≤ 0.003 mm
- 用于液(油)压夹头
- 夹持柄径小于3 mm时使用



液压筒夹HS-CF

Ø夹持直径		HS12-CF 产品编号	HS20-CF 产品编号
mm	inch		
3.000	0.1181	1912.03002	1920.03002
4.000	0.1575	1912.04002	1920.04002
5.000	0.1969	1912.05002	1920.05002
6.000	0.2362	1912.06002	1920.06002
8.000	0.3150	1912.08002	1920.08002
10.000	0.3937	-	1920.10002
12.000	0.4724	-	1920.12002
14.000	0.5512	-	1920.14002
16.000	0.6299	-	1920.16002

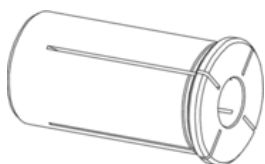
- 跳动精度 ≤ 0.003 mm
- 用于液(油)压夹头
- 用于中心出水时，可集中冷却

密封盖(HS12, HS20)

规格	产品编号	适用的液压筒夹	液压筒夹直径Ø [mm]	液压筒夹直径Ø [Inch]
CC-HS 12	7331.04200	HS 12, HS 1/2"	3 – 4 mm	1/8"
CC-HS 12	7331.06600	HS 12, HS 1/2"	5 – 6 mm	3/16" – 1/4"
CC-HS 12	7331.10200	HS 12, HS 1/2"	7 – 10 mm	5/16" – 3/8"
CC-HS 20	7333.04200	HS 20, HS 3/4"	3 – 4 mm	1/8"
CC-HS 20	7333.06600	HS 20, HS 3/4"	5 – 6 mm	3/16" – 1/4"
CC-HS 20	7333.10200	HS 20, HS 3/4"	7 – 10 mm	5/16" – 3/8"
CC-HS 20	7333.14200	HS 20, HS 3/4"	11 – 14 mm	7/16" – 1/2"
CC-HS 20	7333.16200	HS 20, HS 3/4"	15 – 16 mm	9/16" – 5/8"
CC-HS 20	7333.18200	HS 20, HS 3/4"	18 mm	-

- 避免切屑进入筒夹与刀柄内





液压筒夹HS

Ø夹持范围		Ø [inch]	HS12 编号	HS20 编号	HS25 编号	HS32 编号
mm	inch					
3.000	0.1181	-	1912.03000	1920.03000	1925.03000	-
3.175	0.1250	1/8"	1912.03181	1920.03181	1925.03181	-
4.000	0.1545	-	1912.04000	1920.04000	1925.04000	-
4.763	0.1875	3/16"	1912.04761	1920.04761	1925.04761	1932.04761
5.000	0.1969	-	1912.05000	1920.05000	1925.05000	1932.05000
6.000	0.2362	-	1912.06000	1920.06000	1925.06000	1932.06000
6.350	0.2500	1/4"	1912.06351	1920.06351	1925.06351	1932.06351
7.000	0.2756	-	1912.07000	1920.07000	1925.07000	1932.07000
7.938	0.3125	5/16"	1912.07941	1920.07941	1925.07941	1932.07941
8.000	0.3150	-	1912.08000	1920.08000	1925.08000	1932.08000
9.000	0.3430	-	1912.09000	1920.09000	1925.09000	1932.09000
9.525	0.3750	3/8"	1912.09521	1920.09521	1925.09521	1932.09521
10.000	0.3937	-	1912.10000	1920.10000	1925.10000	1932.10000
11.000	0.4331	-	-	1920.11000	-	1932.11000
11.112	0.4375	7/16"	-	1920.11111	1925.11111	1932.11111
12.000	0.4724	-	-	1920.12000	1925.12000	1932.12000
12.700	0.5000	1/2"	-	1920.12701	1925.12701	1932.12701
13.000	0.5118	-	-	1920.13000	-	1932.13000
14.000	0.5512	-	-	1920.14000	1925.14000	1932.14000
14.288	0.5625	9/16"	-	1920.14291	1925.14291	1932.14291
15.000	0.5906	-	-	1920.15000	-	1932.15000
15.875	0.6250	5/8"	-	1920.15881	1925.15881	1932.15881
16.000	0.6300	-	-	1920.16000	1925.16000	1932.16000
17.000	0.6693	-	-	-	-	1932.17000
17.461	0.6875	11/16"	-	-	1925.17461	1932.17461
18.000	0.7087	-	-	1920.18000	1925.18000	1932.18000
19.000	0.7480	-	-	-	-	1932.19000
19.050	0.7500	3/4"	-	-	1925.19051	1932.19051
20.000	0.7480	-	-	-	1925.20000	1932.20000
20.638	0.8125	13/16"	-	-	-	1932.20631
22.000	0.8661	-	-	-	-	1932.22000
22.225	0.8750	7/8"	-	-	-	1932.22221
23.813	0.9375	15/16"	-	-	-	1932.23811
25.000	0.9842	-	-	-	-	1932.25000
25.400	1.0000	1"	-	-	-	1932.25401

液压筒夹的外直径

HS12 = 12 mm

HS20 = 20 mm

HS25 = 25 mm

HS32 = 32 mm

- 英制(Inch)尺寸可以订制



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Switzerland




Swiss
Precision
Tools



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