



## True corrosion resistance for ER applications

### STAINLESS STEEL

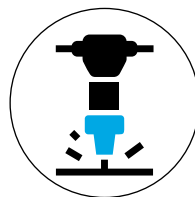
REGO-FIX introduces a large standard range of ER collets made out of stainless steel. Offering a uniform corrosion protection in aggressive environments like sea water, acidic or basic solutions.

### CHALLENGING ENVIRONMENTS

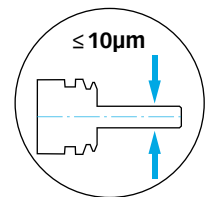
Corrosion can appear in humid environments or in specific applications like EDM machining (Electrical Discharge Machining). A surface treatment or coating (plasma nickel plated) on the ER collet will not offer sufficient protection, thus stainless steel raw material is the long lasting solution.

### ER INOX

Ultimate protection thanks to high quality martensitic stainless steel 1.4122 (X39CrMo17-1). Get all the advantages of an ER collet combined with corrosion protection – Made in Switzerland.



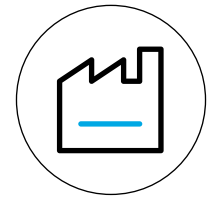
Perfect for EDM machining



Precise clamping (TIR)



High quality stainless steel



Available from stock

## Corrosion testing

Corrosion testing determines the resistance of materials to corrosion under certain environmental conditions as temperature, humidity and salt water. This examination helps to identify different corrodents and environmental factors responsible for corrosion problems. In the following test, collet raw material steels have been tested under an intensive 360 hours duration test process.

TEST DURATION: **360 HOURS**



Standard ER Collet / Material: Conventional Spring Steel



Competitor Stainless Steel ER Collet (Germany) / Material: DIN 1.4034



REGO-FIX Stainless Steel ER Collet / Material: DIN 1.4122

## ER INOX collets

Type	Part no.	Ø [mm]	Material	Run-out (Max. TIR)	Clamping range [mm]
<b>MBX Micro-bore collet INOX</b>					
ER 11-MBX	1311.00251	0.25	DIN 1.4122	≤ 10 µm	0.05
ER 11-MBX	1311.00501	0.50	DIN 1.4122	≤ 10 µm	0.05
ER 11-MBX	1311.00751	0.75	DIN 1.4122	≤ 10 µm	0.05
ER 11-MBX	1311.01001	1.00	DIN 1.4122	≤ 10 µm	0.05
<b>ER INOX</b>					
ER 11-INOX	1111.01504	1.5	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.02004	2.0	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.02504	2.5	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.03004	3.0	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.03184	1/8"	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.04004	4.0	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.06004	6.0	DIN 1.4122	≤ 10 µm	0.25
ER 11-INOX	1111.06504	6.5	DIN 1.4122	≤ 10 µm	0.25
ER 16-INOX	1116.03004	3.0	DIN 1.4122	≤ 10 µm	0.50
ER 16-INOX	1116.04004	4.0	DIN 1.4122	≤ 10 µm	0.50
ER 16-INOX	1116.06004	6.0	DIN 1.4122	≤ 10 µm	0.50



*Other types and sizes available on request*