

PINZE DIN 6499

PORTAMASCHI CON QUADRO

COLLETS DIN 6499

TAP COLLETS WITH INTERNAL SQUARE



STANDARD PRECISION

Precisione di rotazione
Concentricity specifications

0.015

CARATTERISTICHE / SPECIFICATION / CARACTÉRISTIQUES/ TECHNISCHE DATEN

CARATTERISTICHE TECNICHE

- Il grado di concentricità delle pinze ERM PORTAMASCHI CON QUADRO è contenuto in 0,015 mm.
- Sono costruite in acciaio per molle.
- Vengono rettificate sia esternamente che internamente; dopo questa lavorazione, viene eseguita una fase di superfinitura che garantisce un grado di rugosità inferiore a Rz 2,5.
- Queste pinze sono dotate di un quadro porta maschi.
- I gambi dei maschi si riferiscono allo standard DIN 352-371-376/ISO 529.

CARACTÉRISTIQUES

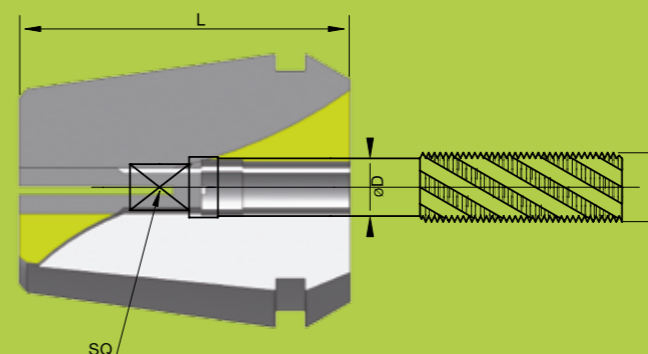
- Le degré de concentration des pince DE TARAUDAGES AVEC CARRE INTERIEUR ERM standard est contenu en 0,015 mm.
- Elles sont fabriquées en acier pour ressorts.
- Elles sont rectifiées aussi bien extérieurement qu'à l'intérieur, après cela, une phase de superfinition est effectuée, garantissant un degré de rugosité inférieur à Rz 2,5.
- Ces pinces sont dotées d'un carré de taraudage.
- Standard DIN 352-371-376/ISO 529.

TECHNICAL FEATURES

- Concentricity of ERM - TAPPING COLLET WITH INTERNAL SQUARE is contained in 0,015 mm.
- Built in spring steel
- Grounded both externally and internally; after this operation there is an additional phase of finishing, which guarantees a grade of roughness lower than Rz 2,5.
- Tapping collets with internal square
- Standard DIN 352-371-376/ISO 529.

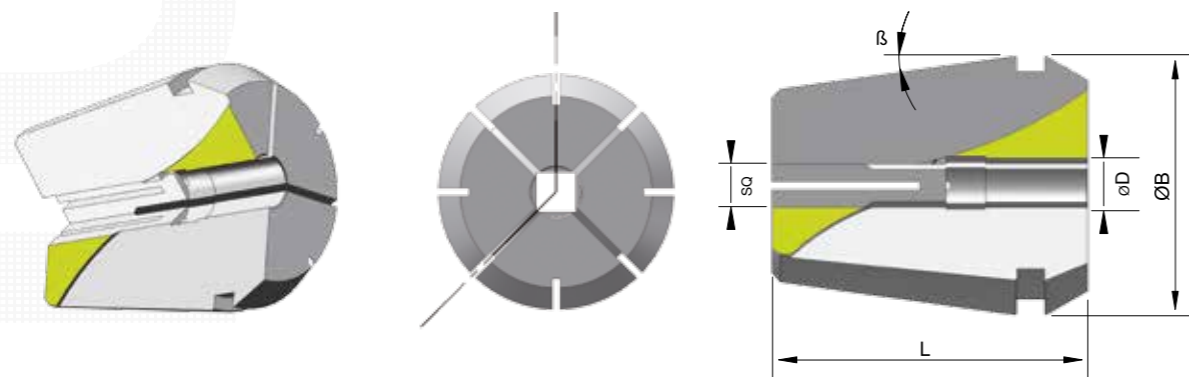
TECHNISCHE DATEN

- Die Rundlaufgenauigkeit der GEWINDEBOHRSPANNZANGEN MIT VIERECK ist in 0,015 mm eingeschränkt.
- Sie sind aus Federstahl gemacht.
- Sie werden sowohl innen als auch außen geschliffen; nach dieser Verarbeitung wird eine Superfeinbearbeitung durchgeführt, die einen Rauheitsgrad versichert, der niedriger als Rz 2,5 ist.
- Diese Spannanzangen sind mit einem Gewindebohrviereck ausgestattet.
- Standard DIN 352-371-376/ISO 529.



TIPO/TYPE	ØD	L	CAPACITY - M
ER16M	3.5 ÷ 8	27.5	M 3 ÷ M 8
ER20M	3.5 ÷ 10	31.5	M 3 ÷ M 10
ER25M	3.5 ÷ 12	34	M 3 ÷ M 16
ER32M	3.5 ÷ 16	40	M 3 ÷ M 20
ER40M	6 ÷ 20	46	M 5 ÷ M 27
ER50M	8 ÷ 32	60	M 8 ÷ M 42

MASCHIO M	GAMBO		MASCHIO M	GAMBO		MASCHIO M	GAMBO	
	ØD	SQ		ØD	SQ		ØD	SQ
M 3	3.5	2.7	M 8	6.3	5	M 16	12.5	10
M 3.5	4	3	M 7	7	5.5	M 18	14	11
M 4	4.5	3.4	M 10	7	5.5	M 20	16	12
M 4	5	4	M 8	8	6.2	M 24	18	14.5
M 5	5.5	4.3	M 9	9	7	M 27	20	16
M 5	6	4.9	M 12	9	7	M 30	22	18
M 6	6	4.9	M 10	10	8	M 33	25	20
M 6	6.3	5	M 14	11	9	M 36	28	22
M 8	6	4.9	M 14	11.2	9	M 39 - 42	32	24



ER 16M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M8

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.16.3.5	3,5	2,7	11,5	27,5
ERX.M.16.4	4	3	11,5	27,5
ERX.M.16.4.5	4,5	3,4	11,5	27,5
ERX.M.16.5	5	4	11,5	27,5
ERX.M.16.5.5	5,5	4,3	11,5	27,5

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.16.6	6	4,9	11,5	27,5
ERX.M.16.6.3	6,3	5	11,5	27,5
ERX.M.16.7	7	5,5	11,5	27,5
ERX.M.16.8	8	6,2	11,5	27,5

ER 20M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M10

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.20.3.5	3,5	2,7	21	31,5
ERX.M.20.4	4	3	21	31,5
ERX.M.20.4.5	4,5	3,4	21	31,5
ERX.M.20.5	5	4	21	31,5
ERX.M.20.5.5	5,5	4,3	21	31,5
ERX.M.20.6	6	4,9	21	31,5

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.20.6.5	6,3	5	21	31,5
ERX.M.20.7	7	5,5	21	31,5
ERX.M.20.8	8	6,2	21	31,5
ERX.M.20.9	9	7	21	31,5
ERX.M.20.10	10	8	21	31,5

ER 25M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M16

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.25.3.5	3,5	2,7	26	34
ERX.M.25.4	4	3	26	34
ERX.M.25.4.5	4,5	3,4	26	34
ERX.M.25.5	5	4	26	34
ERX.M.25.5.5	5,5	4,3	26	34
ERX.M.25.6	6	4,9	26	34
ERX.M.25.6.3	6,3	5	26	34

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.25.7	7	5,5	26	34
ERX.M.25.8	8	6,2	26	34
ERX.M.25.9	9	7	26	34
ERX.M.25.10	10	8	26	34
ERX.M.25.11	11	9	26	34
ERX.M.25.11.2	11,2	9	26	34
ERX.M.25.12	12	9	26	34

ER 32M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M22

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.32.3.5	3,5	2,7	33	40
ERX.M.32.4	4	3	33	40
ERX.M.32.4.5	4,5	3,4	33	40
ERX.M.32.5	5	4	33	40
ERX.M.32.5.5	5,5	4,3	33	40
ERX.M.32.6	6	4,9	33	40
ERX.M.32.6.3	6,3	5	33	40
ERX.M.32.7	7	5,5	33	40
ERX.M.32.8	8	6,2	33	40

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.32.9	9	7	33	40
ERX.M.32.10	10	8	33	40
ERX.M.32.11	11	9	33	40
ERX.M.32.11.2	11.2	9	33	40
ERX.M.32.12	12	9	33	40
ERX.M.32.12.5	12.5	10	33	40
ERX.M.32.14	14	11	33	40
ERX.M.32.16	16	12	33	40

ER 40M - TAP COLLET WITH INTERNAL SQUARE M5 ÷ M27

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.40.6	6	4,9	41	46
ERX.M.40.7	7	5,5	41	46
ERX.M.40.8	8	6,2	41	46
ERX.M.40.9	9	7	41	46
ERX.M.40.10	10	8	41	46
ERX.M.40.11	11	9	41	46

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.40.12	12	9	41	46
ERX.M.40.14	14	11	41	46
ERX.M.40.16	16	12	41	46
ERX.M.40.18	18	14,5	41	46
ERX.M.40.20	20	16	41	46

ER 50M - TAP COLLET WITH INTERNAL SQUARE M8 ÷ M42

0.015 STANDARD PRECISION

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.50.8	8	6,2	52	60
ERX.M.50.9	9	7	52	60
ERX.M.50.10	10	8	52	60
ERX.M.50.11	11	9	52	60
ERX.M.50.12	12	9	52	60
ERX.M.50.14	14	11	52	60
ERX.M.50.16	16	12	52	60

Cod.	GAMBO - SHANK			
	Ø D	SQ	Ø B	L
ERX.M.50.18	18	14,5	52	60
ERX.M.50.20	20	16	52	60
ERX.M.50.22	22	18	52	60
ERX.M.50.25	25	20	52	60
ERX.M.50.28	28	22	52	60
ERX.M.50.32	32	24	52	60

ER 16M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M8 - INCH

0.015  STANDARD PRECISION

Cod.	Ø D	SQ	TAP SIZE	Cod.	Ø D	SQ	TAP SIZE
ERX.M.16-141	.141"	.110"	0-#6 (M3)	ERX.M.16-220	.220"	.165"	#12,7/32
ERX.M.16-168	.168"	.131"	#8,5/32 (M4)	ERX.M.16-255	.255"	.191"	#14,1/4 (M6)
ERX.M.16-194	.194"	.152"	#10,3/16 (M5)	ERX.M.16-318	.318"	.238"	5/16 (M7, M8)

ER 20M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M10 - INCH

0.015  STANDARD PRECISION

Cod.	Ø D	SQ	TAP SIZE	Cod.	Ø D	SQ	TAP SIZE
ERX.M.20-141	.141"	.110"	0-#6 (M3)	ERX.M.20-318	.318"	.238"	5/16 (M7, M8)
ERX.M.20-168	.168"	.131"	#8,5/32 (M4)	ERX.M.20-323	.323"	.242"	7/16
ERX.M.20-194	.194"	.152"	#10,3/16 (M5)	ERX.M.20-367	.367"	.275"	1/2 (M12)
ERX.M.20-220	.220"	.165"	#12,7/32	ERX.M.20-381	.381"	.286"	3/8 (M10)
ERX.M.20-255	.255"	.191"	#14,1/4 (M6)				

ER 25M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M16 - INCH

0.015  STANDARD PRECISION

Cod.	Ø D	SQ	TAP SIZE	Cod.	Ø D	SQ	TAP SIZE
ERX.M.25-141	.141"	.110"	0-#6 (M3)	ERX.M.25-323	.323"	.242"	7/16
ERX.M.25-168	.168"	.131"	#8,5/32 (M4)	ERX.M.25-367	.367"	.275"	1/2 (M12)
ERX.M.25-194	.194"	.152"	#10,3/16 (M5)	ERX.M.25-381	.381"	.286"	3/8 (M10)
ERX.M.25-220	.220"	.165"	#12,7/32	ERX.M.25-429	.429"	.322"	9/16 (M14)
ERX.M.25-255	.255"	.191"	#14,1/4 (M6)	ERX.M.25-437	.437"	.328"	1/8 LS
ERX.M.25-318	.318"	.238"	5/16 (M7, M8)	ERX.M.25-480	.480"	.360"	5/8 (M16)

ER 32M - TAP COLLET WITH INTERNAL SQUARE M3 ÷ M20 - INCH

0.015  STANDARD PRECISION

Cod.	Ø D	SQ	TAP SIZE	Cod.	Ø D	SQ	TAP SIZE
ERX.M.32-141	.141"	.110"	0-#6 (M3)	ERX.M.32-381	.381"	.286"	3/8 (M10)
ERX.M.32-168	.168"	.131"	#8,5/32 (M4)	ERX.M.32-429	.429"	.322"	9/16 (M14)
ERX.M.32-194	.194"	.152"	#10,3/16 (M5)	ERX.M.32-437	.437"	.328"	1/8 LS
ERX.M.32-220	.220"	.165"	#12,7/32	ERX.M.32-480	.480"	.360"	5/8 (M16)
ERX.M.32-255	.255"	.191"	#14,1/4 (M6)	ERX.M.32-542	.542"	.406"	11/16 (M18)
ERX.M.32-318	.318"	.238"	5/16 (M7, M8)	ERX.M.32-562	.562"	.421"	1/4 NPT
ERX.M.32-323	.323"	.242"	7/16	ERX.M.32-590	.590"	.440"	3/4
ERX.M.32-367	.367"	.275"	1/2 (M12)	ERX.M.32-652	.652"	.489"	13/16 (M20)

ER 40M - TAP COLLET WITH INTERNAL SQUARE M5 ÷ M27 - INCH

0.015  STANDARD PRECISION

Cod.	Ø D	SQ	TAP SIZE	Cod.	Ø D	SQ	TAP SIZE
ERX.M.40-255	.255"	.191"	#14,1/4 (M6)	ERX.M.40-562	.562"	.421"	1/4 NPT
ERX.M.40-318	.318"	.238"	5/16 (M7, M8)	ERX.M.40-590	.590"	.440"	3/4
ERX.M.40-323	.323"	.242"	7/16	ERX.M.40-652	.652"	.489"	13/16 (M20)
ERX.M.40-367	.367"	.275"	1/2 (M12)	ERX.M.40-687	.687"	.515"	1/2 NPT
ERX.M.40-381	.381"	.286"	3/8 (M10)	ERX.M.40-697	.697"	.523"	7/8 (M22)
ERX.M.40-429	.429"	.322"	9/16 (M14)	ERX.M.40-700	.700"	.531"	3/8 NPT
ERX.M.40-437	.437"	.328"	1/8 LS	ERX.M.40-760	.760"	.570"	15/16 (M24)
ERX.M.40-480	.480"	.360"	5/8 (M16)	ERX.M.40-800	.800"	.600"	1"
ERX.M.40-542	.542"	.406"	11/16 (M18)				