

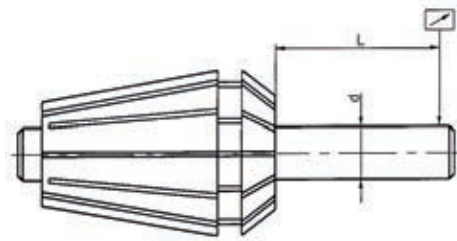
COLLET PRECISION STANDARDS


PENS HASSASİYET STANDARTLARI

3 different precision levels

3 ayrı hassasiyet sınıfı

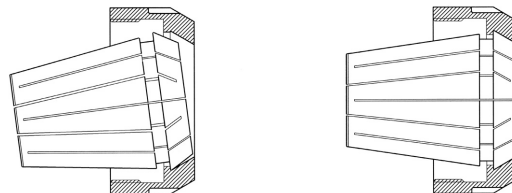
CLASS 2	Precise and economic, according to DIN6499 Class 2 max 15-20 micron run out. <i>Hassas ve ekonomik, DIN 6499 Class 2 standardında max. 15-20 mikron salgı.</i>
CLASS 1	Upper precision level according to DIN 6499 Class 1 max 10 micron run out. <i>Daha hassas DIN 6499 CLASS 1 standartında max.10 mikron salgı.</i>
TOPAC	TOP level ACcuary with guaranteed run out to 5micron, Suitable for very high precision, tight tolerance, high speed applications. <i>Süper Hassas, max 5 mikron salgı garantili.</i> <i>Çok hassas takımlar, dar toleranslı işler, yüksek hızlı işlemeye uygun</i>



ø d	L	DIN 6499 CLASS 2	DIN 6499 CLASS 1	 TOPAC
1 - 1.6	6	0.015	0.010	0.005
1.6 - 3	10	0.015	0.010	0.005
3 - 7	16	0.015	0.010	0.005
7 - 10	25	0.015	0.010	0.005
10 - 18	40	0.020	0.010	0.005
18 - 25	50	0.020	0.010	0.005
25 - 34	60	0.025	0.015	0.010



COLLET MOUNTING INSTRUCTION / PENS BAĞLAMA YÖNTEMİ





COLLETS

PENSLER

COLLETS

PENSLER



ALL **gürkan** COLLETS

- .. are guaranteed within the run out indicated for each class.
- .. are 100% runout checked.
- .. are not deformed when clamped to their minimum clamping diameter.
- .. do not break with small shocks.
- .. are friendly to your toolholder in term of their smooth surfaces free of sharp edges and their exact angle geometry to suit the chuck taper and its clamping nut.

TÜM **gürkan** PENSLERİ:

Belirtilen hassasiyetleri garanti eder.

% 100 kalite kontrolünden geçmiştir.

Alt çaplarını sıkıldığında deforme olmaz.

Küçük darbelerden kırılmaz.

Çapaksız ve hassas yüzey kalitesi ile tutucunuza zarar vermez ve kusursuz acısal geometrisiyle tutucunuza mükemmel uyum sağlar.

The different precision levels are distinguished with different colors of caps on the plastic collets boxes:

Transparent cap: CLASS 2 (max. 15-20 micron run out)

Yellow cap: CLASS 1 (max. 10 micron run out)

Red cap: TOPAC (max. 5 micron run out)

Green cap: only specifies it is a tapping ER collet

The bodies of the plastic packs are transparent.

The transparent light blue color bodies are only used for coolant sealed collets

Belirtilen 3 ayrı hassasiyet gurubu penslerin ambalajlarındaki kapak renkleri ile ayrılmaktadır.

Şeffaf kapak: CLASS 2 (max. 15-20 mikron salgı)

Sarı kapak: CLASS 1 (max. 10 mikron salgı)

Kırmızı kapak: TOPAC (max. 5 mikron salgı)

Yeşil kapak: Sadece kılavuz penslerinde kullanılır.

Plastik kutuların gövdeleri şeffaftır. Açık mavi renkli gövde sızdırmaz penslerde kullanılmıştır.

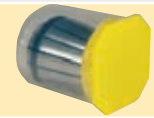


COLLETS PACKAGING / PENS AMBALAJLARI

Transparent cap: CLASS 2 (max. 15-20 micron run out)
Şeffaf kapak : CLASS 2 (max. 15-20 mikron salgı)



Yellow cap: CLASS 1 (max. 10 micron run out)
Sarı kapak : CLASS 1 (max. 10 mikron salgı)



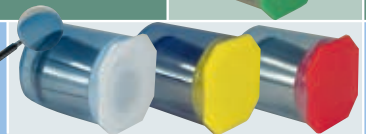
Red cap: TOPAC (max. 5 micron run out)
Kırmızı kapak : TOPAC (max. 5 mikron salgı)



Green cap: only specifies it is an ER tapping collet
Yeşil kapak : Sadece ER kılavuz pensi olduğunu belirtir.



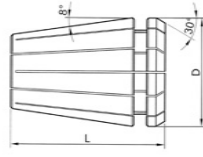
Light Blue body: Specifies it is a coolant sealed collet
Açık Mavi gövde: Sızdırmaz pens olduğunu belirtir.



ER 8 COLLETS

ER 8 PENSLER

D	8.5mm
L	13mm
CLAMPING RANGE TUTMA ARALIĞI	1.0-5.0mm
CLAMPING STEPS TUTMA KAPASİTESİ	0.5mm



ER 8 CLASS 2

CODE	CLAMPING Ø	EURO
ER080102	1.0-0.5	7.10
ER080152	1.5-1.0	7.10
ER080202	2.0-1.5	6.10
ER080252	2.5-2.0	6.10
ER080302	3.0-2.5	4.70
ER080352	3.5-3.0	4.70
ER080402	4.0-3.5	4.70
ER080452	4.5-4.0	4.70
ER080502	5.0-4.5	4.70

ER 8 CLASS 1

CODE	CLAMPING Ø	EURO
ER080101	1.0-0.5	8.40
ER080151	1.5-1.0	8.40
ER080201	2.0-1.5	7.20
ER080251	2.5-2.0	7.20
ER080301	3.0-2.5	5.80
ER080351	3.5-3.0	5.80
ER080401	4.0-3.5	5.80
ER080451	4.5-4.0	5.80
ER080501	5.0-4.5	5.80

ER 8 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER08010T	1.0-0.5	12.40
ER08015T	1.5-1.0	12.40
ER08020T	2.0-1.5	10.20
ER08025T	2.5-2.0	10.20
ER08030T	3.0-2.5	8.00
ER08035T	3.5-3.0	8.00
ER08040T	4.0-3.5	8.00
ER08045T	4.5-4.0	8.00
ER08050T	5.0-4.5	8.00

ER 8 COLLET SETS (Ø1-5MM 9 PCS)

ER 8 PENS TAKIMLARI (Ø1-5mm 9Ad.)

ER 8 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER08SET2	9 pcs ER8 collets Class 2 Ø1-5mm in 0.5mm increment in plastic case 9 Ad. ER8 pens Class 2 Ø1-5mm arası 0.5 mm atlamalı plastik kutuda	53.10

ER 8 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER08SET1	9 pcs ER8 collets Class 1 Ø1-5mm in 0.5mm increment in plastic case 9 Ad. ER8 pens Class 1 Ø1-5mm arası 0.5 mm atlamalı plastik kutuda	63.40

ER 8 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER08SETT	9 pcs ER8 collets TOPAC Ø1-5mm in 0.5mm increment in plastic case 9 Ad. ER8 pens TOPAC Ø1-5mm arası 0.5 mm atlamalı plastik kutuda	88.40

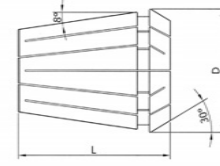


ER 11 COLLETS

ER 11 PENSLER



D	11.5mm
L	18mm
CLAMPING RANGE TUTMA ARALIĞI	1.0-7.0mm
CLAMPING STEPS TUTMA KAPASİTESİ	0.5mm



ER 11 CLASS 2

CODE	CLAMPING Ø	EURO
ER110102	1.0-0.5	6.50
ER110152	1.5-1.0	6.50
ER110202	2.0-1.5	5.50
ER110252	2.5-2.0	5.50
ER110302	3.0-2.5	4.10
ER110352	3.5-3.0	4.10
ER110402	4.0-3.5	4.10
ER110452	4.5-4.0	4.10
ER110502	5.0-4.5	4.10
ER110552	5.5-5.0	4.10
ER110602	6.0-5.5	4.10
ER110652	6.5-6.0	4.10
ER110702	7.0-6.5	4.10

ER 11 CLASS 1

CODE	CLAMPING Ø	EURO
ER110101	1.0-0.5	7.70
ER110151	1.5-1.0	7.70
ER110201	2.0-1.5	6.60
ER110251	2.5-2.0	6.60
ER110301	3.0-2.5	5.10
ER110351	3.5-3.0	5.10
ER110401	4.0-3.5	5.10
ER110451	4.5-4.0	5.10
ER110501	5.0-4.5	5.10
ER110551	5.5-5.0	5.10
ER110601	6.0-5.5	5.10
ER110651	6.5-6.0	5.10
ER110701	7.0-6.5	5.10

ER 11 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER11010T	1.0-0.5	11.70
ER11015T	1.5-1.0	11.70
ER11020T	2.0-1.5	9.60
ER11025T	2.5-2.0	9.60
ER11030T	3.0-2.5	7.30
ER11035T	3.5-3.0	7.30
ER11040T	4.0-3.5	7.30
ER11045T	4.5-4.0	7.30
ER11050T	5.0-4.5	7.30
ER11055T	5.5-5.0	7.30
ER11060T	6.0-5.5	7.30
ER11065T	6.5-6.0	7.30
ER11070T	7.0-6.5	7.30



ER 11 COLLET SETS (Ø1-7MM 13 PCS)

ER 11 PENS TAKIMLARI (Ø1-7mm 13Ad.)

ER 11 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER11SET2	13pcs ER11 collets Class 2 Ø1-7mm in 0.5mm increment in plastic case 13 Ad. ER11 pens Class 2 Ø1-7mm arası 0.5mm atlamalı plastik kutuda	64.10

ER 11 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER11SET1	13pcs ER11 collets Class 1 Ø1-7mm in 0.5mm increment in plastic case 13 Ad. ER11 pens Class 1 Ø1-7mm arası 0.5mm atlamalı plastik kutuda	77.70

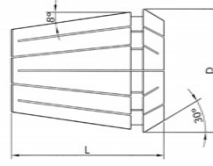
ER 11 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER11SETT	13pcs ER11 collets TOPAC Ø1-7mm in 0.5mm increment in plastic case 13 Ad. ER11 pens TOPAC Ø1-7mm arası 0.5mm atlamalı plastik kutuda	111.50

ER 16 COLLETS

ER 16 PENSLER

D	17mm
L	27.5mm
CLAMPING RANGE TUTMA ARALIĞI	1.0-10mm
CLAMPING STEPS TUTMA KAPASİTESİ	1.0mm



ER 16 CLASS 2

CODE	CLAMPING Ø	EURO
ER160102	1.0-0.5	5.20
ER160152	1.5-1.0	5.20
ER160202	2.0-1.5	4.30
ER160252	2.5-2.0	4.30
ER160302	3.0-2.5	3.30
ER160352	3.5-2.5	4.30
ER160402	4.0-3.0	3.30
ER160452	4.5-3.5	4.30
ER160502	5.0-4.0	3.30
ER160552	5.5-4.5	4.30
ER160602	6.0-5.0	3.30
ER160652	6.5-5.5	4.30
ER160702	7.0-6.0	3.30
ER160752	7.5-6.5	4.30
ER160802	8.0-7.0	3.30
ER160852	8.5-7.5	4.30
ER160902	9.0-8.0	3.30
ER160952	9.5-8.5	4.30
ER161002	10.0-9.0	3.30

ER 16 CLASS 1

CODE	CLAMPING Ø	EURO
ER160101	1.0-0.5	6.90
ER160151	1.5-1.0	6.90
ER160201	2.0-1.5	5.80
ER160251	2.5-2.0	5.80
ER160301	3.0-2.5	4.60
ER160351	3.5-2.5	5.60
ER160401	4.0-3.0	4.60
ER160451	4.5-3.5	5.60
ER160501	5.0-4.0	4.60
ER160551	5.5-4.5	5.60
ER160601	6.0-5.0	4.60
ER160651	6.5-5.5	5.60
ER160701	7.0-6.0	4.60
ER160751	7.5-6.5	5.60
ER160801	8.0-7.0	4.60
ER160851	8.5-7.5	5.60
ER160901	9.0-8.0	4.60
ER160951	9.5-8.5	5.60
ER161001	10.0-9.0	4.60

ER 16 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER16010T	1.0-0.5	10.70
ER16015T	1.5-1.0	10.70
ER16020T	2.0-1.5	8.60
ER16025T	2.5-2.0	8.60
ER16030T	3.0-2.5	6.50
ER16035T	3.5-2.5	7.50
ER16040T	4.0-3.0	6.50
ER16045T	4.5-3.5	7.50
ER16050T	5.0-4.0	6.50
ER16055T	5.5-4.5	7.50
ER16060T	6.0-5.0	6.50
ER16065T	6.5-5.5	7.50
ER16070T	7.0-6.0	6.50
ER16075T	7.5-6.5	7.50
ER16080T	8.0-7.0	6.50
ER16085T	8.5-7.5	7.50
ER16090T	9.0-8.0	6.50
ER16095T	9.5-8.5	7.50
ER16100T	10.0-9.0	6.50

Up to Ø3mm the collapsing capacity is 0.5mm -Ø3 mm ye kadar daralma kapasitesi 0.5mm dir

ER 16 COLLET SETS (Ø1-10MM 10 PCS)

ER 16 PENS TAKIMLARI (Ø1-10mm 10Ad.)

ER 16 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER16SET2	10pcs ER16 collets Class 2 Ø1-10mm in 1.0mm increment in plastic case 10 Ad. ER16 pens Class 2 Ø1-10mm arası 1.0mm atlamalı plastik kutuda	39.10

ER 16 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER16SET1	10pcs ER16 collets Class 1 Ø1-10mm in 1.0mm increment in plastic case 10 Ad. ER16 pens Class 1 Ø1-10mm arası 1.0mm atlamalı plastik kutuda	52.70

ER 16 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER16SETT	10pcs ER16 collets TOPAC Ø1-10mm in 1.0mm increment in plastic case 10 Ad. ER16 pens TOPAC Ø1-10mm arası 1.0mm atlamalı plastik kutuda	74.50

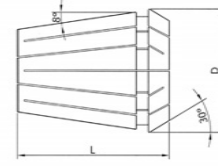


ER 20 COLLETS

ER 20 PENSLER



D	21mm
L	31.5mm
CLAMPING RANGE TUTMA ARALIĞI	1.0-13mm
CLAMPING STEPS TUTMA KAPASİTESİ	1.0mm



ER 20 CLASS 2

CODE	CLAMPING Ø	EURO
ER200102	1.0-0.5	5.50
ER200152	1.5-1.0	5.50
ER200202	2.0-1.5	4.80
ER200252	2.5-2.0	4.80
ER200302	3.0-2.5	3.50
ER200352	3.5-2.5	4.80
ER200402	4.0-3.0	3.50
ER200452	4.5-3.5	4.80
ER200502	5.0-4.0	3.50
ER200602	6.0-5.0	3.50
ER200702	7.0-6.0	3.50
ER200802	8.0-7.0	3.50
ER200902	9.0-8.0	3.50
ER201002	10.0-9.0	3.50
ER201102	11.0-10.0	3.50
ER201202	12.0-11.0	3.50
ER201302	13.0-12.0	3.50

ER 20 CLASS 1

CODE	CLAMPING Ø	EURO
ER200101	1.0-0.5	7.20
ER200151	1.5-1.0	7.20
ER200201	2.0-1.5	6.40
ER200251	2.5-2.0	6.40
ER200301	3.0-2.5	4.90
ER200351	3.5-2.5	6.20
ER200401	4.0-3.0	4.90
ER200451	4.5-3.5	6.20
ER200501	5.0-4.0	4.90
ER200601	6.0-5.0	4.90
ER200701	7.0-6.0	4.90
ER200801	8.0-7.0	4.90
ER200901	9.0-8.0	4.90
ER201001	10.0-9.0	4.90
ER201101	11.0-10.0	4.90
ER201201	12.0-11.0	4.90
ER201301	13.0-12.0	4.90

ER 20 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER20010T	1.0-0.5	11.00
ER20015T	1.5-1.0	11.00
ER20020T	2.0-1.5	9.20
ER20025T	2.5-2.0	9.20
ER20030T	3.0-2.5	6.70
ER20035T	3.5-2.5	8.00
ER20040T	4.0-3.0	6.70
ER20045T	4.5-3.5	8.00
ER20050T	5.0-4.0	6.70
ER20060T	6.0-5.0	6.70
ER20070T	7.0-6.0	6.70
ER20080T	8.0-7.0	6.70
ER20090T	9.0-8.0	6.70
ER20100T	10.0-9.0	6.70
ER20110T	11.0-10.0	6.70
ER20120T	12.0-11.0	6.70
ER20130T	13.0-12.0	6.70

Up to Ø3mm the collapsing capacity is 0.5mm - Ø3 mm ye kadar daralma kapasitesi 0.5mm dir



ER 20 COLLET SETS (Ø2-13MM 12 PCS)

ER 20 PENS TAKIMLARI (Ø2-13mm 12Ad.)

ER 20 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER20SET2	12pcs ER20 collets Class 2 Ø2-13mm in 1.0mm increment in plastic case 12 Ad. ER20 pens Class 2 Ø2-13mm arası 1.0mm atlamalı plastik kutuda	46.70

ER 20 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER20SET1	12pcs ER20 collets Class 1 Ø2-13mm in 1.0mm increment in plastic case 12 Ad. ER20 pens Class 1 Ø2-13mm arası 1.0mm atlamalı plastik kutuda	63.70

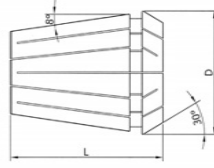
ER 20 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER20SETT	12pcs ER20 collets TOPAC Ø2-13mm in 1.0mm increment in plastic case 12 Ad. ER20 pens TOPAC Ø2-13mm arası 1.0mm atlamalı plastik kutuda	86.30

ER 25 COLLETS

ER 25 PENSLER

D	26mm
L	34mm
CLAMPING RANGE TUTMA ARALIĞI	2.0-16mm
CLAMPING STEPS TUTMA KAPASİTESİ	1.0mm



ER 25 CLASS 2

CODE	CLAMPING Ø	EURO
ER250102	1.0-0.5	6.50
ER250152	1.5-1.0	6.50
ER250202	2.0-1.5	5.00
ER250252	2.5-2.0	5.00
ER250302	3.0-2.5	3.80
ER250352	3.5-2.5	5.00
ER250402	4.0-3.0	3.80
ER250452	4.5-3.5	5.00
ER250502	5.0-4.0	3.80
ER250602	6.0-5.0	3.80
ER250702	7.0-6.0	3.80
ER250802	8.0-7.0	3.80
ER250902	9.0-8.0	3.80
ER251002	10.0-9.0	3.80
ER251102	11.0-10.0	3.80
ER251202	12.0-11.0	3.80
ER251302	13.0-12.0	3.80
ER251402	14.0-13.0	3.80
ER251502	15.0-14.0	3.80
ER251602	16.0-15.0	3.80

ER 25 CLASS 1

CODE	CLAMPING Ø	EURO
ER250101	1.0-0.5	8.20
ER250151	1.5-1.0	8.20
ER250201	2.0-1.5	6.60
ER250251	2.5-2.0	6.60
ER250301	3.0-2.5	5.20
ER250351	3.5-2.5	6.40
ER250401	4.0-3.0	5.20
ER250451	4.5-3.5	6.40
ER250501	5.0-4.0	5.20
ER250601	6.0-5.0	5.20
ER250701	7.0-6.0	5.20
ER250801	8.0-7.0	5.20
ER250901	9.0-8.0	5.20
ER251001	10.0-9.0	5.20
ER251101	11.0-10.0	5.20
ER251201	12.0-11.0	5.20
ER251301	13.0-12.0	5.20
ER251401	14.0-13.0	5.20
ER251501	15.0-14.0	5.20
ER251601	16.0-15.0	5.20

ER 25 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER25010T	1.0-0.5	12.00
ER25015T	1.5-1.0	12.00
ER25020T	2.0-1.5	9.40
ER25025T	2.5-2.0	9.40
ER25030T	3.0-2.5	7.00
ER25035T	3.5-2.5	8.20
ER25040T	4.0-3.0	7.00
ER25045T	4.5-3.5	8.20
ER25050T	5.0-4.0	7.00
ER25060T	6.0-5.0	7.00
ER25070T	7.0-6.0	7.00
ER25080T	8.0-7.0	7.00
ER25090T	9.0-8.0	7.00
ER25100T	10.0-9.0	7.00
ER25110T	11.0-10.0	7.00
ER25120T	12.0-11.0	7.00
ER25130T	13.0-12.0	7.00
ER25140T	14.0-13.0	7.00
ER25150T	15.0-14.0	7.00
ER25160T	16.0-15.0	7.00

Up to Ø3mm the collapsing capacity is 0.5mm -Ø3 mm ye kadar daralma kapasitesi 0.5mm dir

ER 25 COLLET SETS (Ø2-16MM 15 PCS)

ER 25 PENS TAKIMLARI (Ø2-16mm 15Ad.)

ER 25 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER25SET2	15pcs ER25 collets Class 2 Ø2-16mm in 1.0mm increment in plastic case 15 Ad. ER25 pens Class 2 Ø2-16mm arası 1.0mm atlamalı plastik kutuda	64.00

ER 25 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER25SET1	15pcs ER25 collets Class 1 Ø2-16mm in 1.0mm increment in plastic case 15 Ad. ER25 pens Class 1 Ø2-16mm arası 1.0mm atlamalı plastik kutuda	85.20

ER 25 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER25SETT	15pcs ER25 collets TOPAC Ø2-16mm in 1.0mm increment in plastic case 15 Ad. ER25 pens TOPAC Ø2-16mm arası 1.0mm atlamalı plastik kutuda	113.20

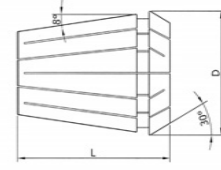


ER 32 COLLETS

ER 32 PENSLELER



D	33mm
L	40mm
CLAMPING RANGE TUTMA ARALIĞI	1.0-25.0mm
CLAMPING STEPS TUTMA KAPASİTESİ	1.0mm



ER 32 CLASS 2

CODE	CLAMPING Ø	EURO
ER320102	1.0-0.5	8.30
ER320152	1.5-1.0	8.30
ER320202	2.0-1.5	6.80
ER320252	2.5-2.0	6.80
ER320302	3.0-2.5	4.00
ER320352	3.5-2.5	5.80
ER320402	4.0-3.0	4.00
ER320452	4.5-3.5	5.80
ER320502	5.0-4.0	4.00
ER320602	6.0-5.0	4.00
ER320702	7.0-6.0	4.00
ER320802	8.0-7.0	4.00
ER320902	9.0-8.0	4.00
ER321002	10.0-9.0	4.00
ER321102	11.0-10.0	4.00
ER321202	12.0-11.0	4.00
ER321302	13.0-12.0	4.00
ER321402	14.0-13.0	4.00
ER321502	15.0-14.0	4.00
ER321602	16.0-15.0	4.00
ER321702	17.0-16.0	4.00
ER321802	18.0-17.0	4.00
ER321902	19.0-18.0	4.00
ER322002	20.0-19.0	4.00
ER322502*	25.0-24.0	9.00

ER 32 CLASS 1

CODE	CLAMPING Ø	EURO
ER320101	1.0-0.5	10.30
ER320151	1.5-1.0	10.30
ER320201	2.0-1.5	8.80
ER320251	2.5-2.0	8.80
ER320301	3.0-2.5	5.60
ER320351	3.5-2.5	7.40
ER320401	4.0-3.0	5.60
ER320451	4.5-3.5	7.40
ER320501	5.0-4.0	5.60
ER320601	6.0-5.0	5.60
ER320701	7.0-6.0	5.60
ER320801	8.0-7.0	5.60
ER320901	9.0-8.0	5.60
ER321001	10.0-9.0	5.60
ER321101	11.0-10.0	5.60
ER321201	12.0-11.0	5.60
ER321301	13.0-12.0	5.60
ER321401	14.0-13.0	5.60
ER321501	15.0-14.0	5.60
ER321601	16.0-15.0	5.60
ER321701	17.0-16.0	5.60
ER321801	18.0-17.0	5.60
ER321901	19.0-18.0	5.60
ER322001	20.0-19.0	5.60
ER322501*	25.0-24.0	10.50

ER 32 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER32010T	1.0-0.5	12.50
ER32015T	1.5-1.0	12.50
ER32020T	2.0-1.5	11.00
ER32025T	2.5-2.0	11.00
ER32030T	3.0-2.5	7.30
ER32035T	3.5-2.5	9.10
ER32040T	4.0-3.0	7.30
ER32045T	4.5-3.5	9.10
ER32050T	5.0-4.0	7.30
ER32060T	6.0-5.0	7.30
ER32070T	7.0-6.0	7.30
ER32080T	8.0-7.0	7.30
ER32090T	9.0-8.0	7.30
ER32100T	10.0-9.0	7.30
ER32110T	11.0-10.0	7.30
ER32120T	12.0-11.0	7.30
ER32130T	13.0-12.0	7.30
ER32140T	14.0-13.0	7.30
ER32150T	15.0-14.0	7.30
ER32160T	16.0-15.0	7.30
ER32170T	17.0-16.0	7.30
ER32180T	18.0-17.0	7.30
ER32190T	19.0-18.0	7.30
ER32200T	20.0-19.0	7.30
ER32250T*	25.0-24.0	14.50

Up to Ø3mm the collapsing capacity is 0.5mm - Ø3 mm ye kadar daralma kapasitesi 0.5mm dir.
*The length of ER32 Ø25mm collet is 32.5mm - ER32 Ø25mm penslerin boyu 32.5mm dir.



ER 32 COLLET SETS (Ø3-20MM 18 PCS)

ER 32 PENS TAKIMLARI (Ø3-20mm 18Ad.)

ER 32 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER32SET2	18pcs ER32 collets Class 2 Ø3-20mm in 1.0mm increment in plastic case 18 Ad. ER32 pens Class 2 Ø3-20mm arası 1.0mm atlamalı plastik kutuda	79.00

ER 32 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER32SET1	18pcs ER32 collets Class 1 Ø3-20mm in 1.0mm increment in plastic case 18 Ad. ER32 pens Class 1 Ø3-20mm arası 1.0mm atlamalı plastik kutuda	107.80

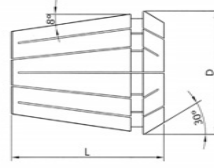
ER 32 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER32SETT	18pcs ER32 collets TOPAC Ø3-20mm in 1.0mm increment in plastic case 18 Ad. ER32 pens TOPAC Ø3-20mm arası 1.0mm atlamalı plastik kutuda	138.40

ER 40 COLLETS

ER 40 PENSLER

D	41mm
L	46mm
CLAMPING RANGE TUTMA ARALIĞI	2.0-32mm
CLAMPING STEPS TUTMA KAPASİTESİ	1.0mm



ER 40 CLASS 2

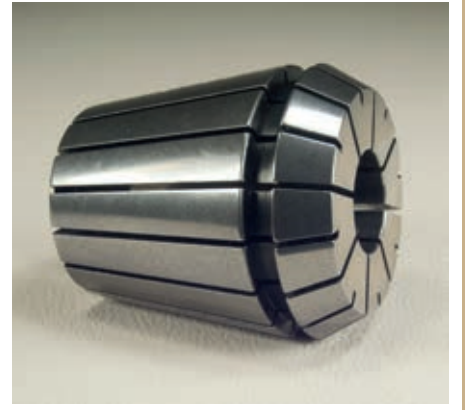
CODE	CLAMPING Ø	EURO
ER400202	2.0-1.5	8,50
ER400252	2.5-2.0	8,50
ER400302	3.0-2.5	6,90
ER400352	3.5-2.5	6,90
ER400402	4.0-3.0	4,90
ER400452	4.5-3.5	6,90
ER400502	5.0-4.0	4,90
ER400602	6.0-5.0	4,90
ER400702	7.0-6.0	4,90
ER400802	8.0-7.0	4,90
ER400902	9.0-8.0	4,90
ER401002	10.0-9.0	4,90
ER401102	11.0-10.0	4,90
ER401202	12.0-11.0	4,90
ER401302	13.0-12.0	4,90
ER401402	14.0-13.0	4,90
ER401502	15.0-14.0	4,90
ER401602	16.0-15.0	4,90
ER401702	17.0-16.0	4,90
ER401802	18.0-17.0	4,90
ER401902	19.0-18.0	4,90
ER402002	20.0-19.0	4,90
ER402102	21.0-20.0	4,90
ER402202	22.0-21.0	4,90
ER402302	23.0-22.0	4,90
ER402402	24.0-23.0	4,90
ER402502	25.0-24.0	4,90
ER402602	26.0-25.0	4,90
ER403002*	30.0-29.0	11,00
ER403202*	32.0-31.0	11,00

ER 40 CLASS 1

CODE	CLAMPING Ø	EURO
ER400201	2.0-1.5	10,40
ER400251	2.5-2.0	10,40
ER400301	3.0-2.5	8,80
ER400351	3.5-2.5	8,80
ER400401	4.0-3.0	6,80
ER400451	4.5-3.5	8,80
ER400501	5.0-4.0	6,80
ER400601	6.0-5.0	6,80
ER400701	7.0-6.0	6,80
ER400801	8.0-7.0	6,80
ER400901	9.0-8.0	6,80
ER401001	10.0-9.0	6,80
ER401101	11.0-10.0	6,80
ER401201	12.0-11.0	6,80
ER401301	13.0-12.0	6,80
ER401401	14.0-13.0	6,80
ER401501	15.0-14.0	6,80
ER401601	16.0-15.0	6,80
ER401701	17.0-16.0	6,80
ER401801	18.0-17.0	6,80
ER401901	19.0-18.0	6,80
ER402001	20.0-19.0	6,80
ER402101	21.0-20.0	6,80
ER402201	22.0-21.0	6,80
ER402301	23.0-22.0	6,80
ER402401	24.0-23.0	6,80
ER402501	25.0-24.0	6,80
ER402601	26.0-25.0	6,80
ER403001*	30.0-29.0	12,90
ER403201*	32.0-31.0	12,90

ER 40 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER40020T	2.0-1.5	12,30
ER40025T	2.5-2.0	12,30
ER40030T	3.0-2.5	10,70
ER40035T	3.5-2.5	10,70
ER40040T	4.0-3.0	8,70
ER40045T	4.5-3.5	10,70
ER40050T	5.0-4.0	8,70
ER40060T	6.0-5.0	8,70
ER40070T	7.0-6.0	8,70
ER40080T	8.0-7.0	8,70
ER40090T	9.0-8.0	8,70
ER40100T	10.0-9.0	8,70
ER40110T	11.0-10.0	8,70
ER40120T	12.0-11.0	8,70
ER40130T	13.0-12.0	8,70
ER40140T	14.0-13.0	8,70
ER40150T	15.0-14.0	8,70
ER40160T	16.0-15.0	8,70
ER40170T	17.0-16.0	8,70
ER40180T	18.0-17.0	8,70
ER40190T	19.0-18.0	8,70
ER40200T	20.0-19.0	8,70
ER40210T	21.0-20.0	8,70
ER40220T	22.0-21.0	8,70
ER40230T	23.0-22.0	8,70
ER40240T	24.0-23.0	8,70
ER40250T	25.0-24.0	8,70
ER40260T	26.0-25.0	8,70
ER40300T*	30.0-29.0	16,90
ER40320T*	32.0-31.0	16,90



Up to Ø3mm the collapsing capacity is 0.5mm - Ø3 mm ye kadar daralma kapasitesi 0.5mm dir.

* The length of ER40 Ø30mm collet is 39mm - ER40 Ø30mm pensin boyu 39mm dir.

* The length of ER40 Ø32mm collet is 33mm - ER40 Ø32mm pensin boyu 33mm dir.

ER 40 COLLET SETS (Ø4-26MM 23 PCS)

ER 40 PENS TAKIMLARI (Ø4-26mm 23Ad.)

ER 40 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER40SET2	23pcs ER40 collets Class 2 Ø4-26mm in 1.0mm increment in plastic case 23 Ad. ER40 pens Class 2 Ø4-26mm arası 1.0mm atlamalı plastik kutuda	125.10

ER 40 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER40SET1	23pcs ER40 collets Class 1 Ø4-26mm in 1.0mm increment in plastic case 23 Ad. ER40 pens Class 1 Ø4-26mm arası 1.0mm atlamalı plastik kutuda	168.80

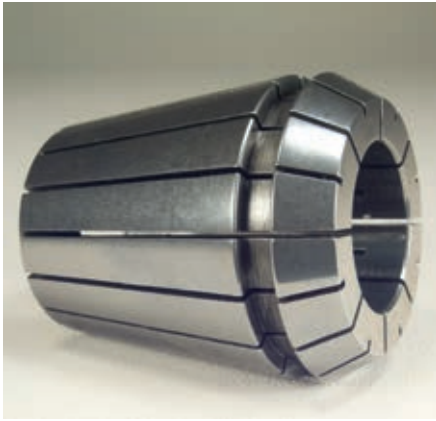
ER 40 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER40SETT	23pcs ER40 collets TOPAC Ø4-26mm in 1.0mm increment in plastic case 23 Ad. ER40 pens TOPAC Ø4-26mm arası 1.0mm atlamalı plastik kutuda	212.50

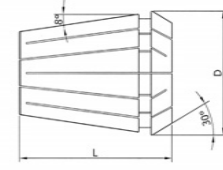


ER 50 COLLETS

ER 50 PENSLELER



D	52mm
L	60mm
CLAMPING RANGE TUTMA ARALIĞI	12.0-34.0mm
CLAMPING STEPS TUTMA KAPASİTESİ	2.0mm



ER 50 CLASS 2

CODE	CLAMPING Ø	EURO
ER501202	12.0-10.0	14.30
ER501402	14.0-12.0	14.30
ER501602	16.0-14.0	14.30
ER501802	18.0-16.0	14.30
ER502002	20.0-18.0	14.30
ER502202	22.0-20.0	14.30
ER502402	24.0-22.0	14.30
ER502502	25.0-23.0	14.30
ER502602	26.0-24.0	14.30
ER502802	28.0-26.0	14.30
ER503002	30.0-28.0	14.30
ER503202	32.0-30.0	14.30
ER503402	34.0-32.0	14.30

ER 50 CLASS 1

CODE	CLAMPING Ø	EURO
ER501201	12.0-10.0	16.80
ER501401	14.0-12.0	16.80
ER501601	16.0-14.0	16.80
ER501801	18.0-16.0	16.80
ER502001	20.0-18.0	16.80
ER502201	22.0-20.0	16.80
ER502401	24.0-22.0	16.80
ER502501	25.0-23.0	16.80
ER502601	26.0-24.0	16.80
ER502801	28.0-26.0	16.80
ER503001	30.0-28.0	16.80
ER503201	32.0-30.0	16.80
ER503401	34.0-32.0	16.80

ER 50 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ER50120T	12.0-10.0	20.30
ER50140T	14.0-12.0	20.30
ER50160T	16.0-14.0	20.30
ER50180T	18.0-16.0	20.30
ER50200T	20.0-18.0	20.30
ER50220T	22.0-20.0	20.30
ER50240T	24.0-22.0	20.30
ER50250T	25.0-23.0	20.30
ER50260T	26.0-24.0	20.30
ER50280T	28.0-26.0	20.30
ER50300T	30.0-28.0	20.30
ER50320T	32.0-30.0	20.30
ER50340T	34.0-32.0	20.30



ER 50 COLLET SETS (Ø12-34MM 12 PCS)

ER 50 PENS TAKIMLARI (Ø12-34mm 12Ad.)

ER 50 COLLET SET CLASS 2

CODE	CONTENT	EURO
ER50SET2	12pcs ER50 collets Class 2 Ø12-34mm in 2.0mm increment in plastic case 12 Ad. ER50 pens Class 2 Ø12-34mm arası 2.0 mm atlamalı plastik kutuda	185.00

ER 50 COLLET SET CLASS 1

CODE	CONTENT	EURO
ER50SET1	12pcs ER50 collets Class 1 Ø12-34mm in 2.0mm increment in plastic case 12 Ad. ER50 pens Class 1 Ø12-34mm arası 2.0 mm atlamalı plastik kutuda	215.00

ER 50 COLLET SET TOPAC (5 Micron)

CODE	CONTENT	EURO
ER50SETT	12pcs ER50 collets TOPAC Ø12-34mm in 2.0mm increment in plastic case 12 Ad. ER50 pens TOPAC Ø12-34mm arası 2.0 mm atlamalı plastik kutuda	257.00

Normally all ER50 sets do not contain 25 mm collet. It can be included in the set instead of 26mm if requested when ordering.
Normalde ER50 pens takımlarında 25mm pens yoktur. Bu pens sipariş esnasında istendiğinde 26mm nin yerine takıma konulabilir.



**COOLANT SEALED
ERC COLLETS
TAPPING ERT COLLETS
INCH SIZES ER COLLETS
DIN 6388-25 TYPE COLLETS**

*SIZDIRMAZ ERC PENSLE
ERT KILAVUZ PENSLERİ
İNÇ ÖLÇÜ ER PENSLER
DIN6388-25 TİPİ PENSLER*

COOLANT SEALED ER COLLETS (For internal coolant tools)

SIZDIRMAZ ER PENSLER (İçten soğutmalı takımlar için)

Pat. 2013 00719

ERC 16 COOLANT SEALED COLLETS / ERC16 SIZDIRMAZ PENSLER D=17 / L=27.5

ER 16 CLASS 2

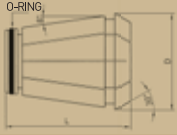
CODE	CLAMPING Ø	EURO
ERC160302	3.0	9.30
ERC160402	4.0	9.30
ERC160502	5.0	9.30
ERC160602	6.0	9.30
ERC160702	7.0	9.30
ERC160802	8.0	9.30
ERC160902	9.0	9.30
ERC161002	10.0	9.30

ER 16 CLASS 1

CODE	CLAMPING Ø	EURO
ERC160301	3.0	10.60
ERC160401	4.0	10.60
ERC160501	5.0	10.60
ERC160601	6.0	10.60
ERC160701	7.0	10.60
ERC160801	8.0	10.60
ERC160901	9.0	10.60
ERC161001	10.0	10.60

ER 16 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ERC16030T	3.0	13.10
ERC16040T	4.0	13.10
ERC16050T	5.0	13.10
ERC16060T	6.0	13.10
ERC16070T	7.0	13.10
ERC16080T	8.0	13.10
ERC16090T	9.0	13.10
ERC16100T	10.0	13.10



ERC 16 COOLANT SEALED COLLET SETS / ERC16 SIZDIRMAZ PENS TAKIMLARI

ER 16 COOLANT SEALED COLLET SET CLASS2

CODE	CONTENT	EURO
ERC16SET2	8pcs ERC16 Coolant sealed collets Class1 Ø3-10mm in 1.0mm increment in plastic case 8Ad. ERC-16 sızdırmaz pens Class 1 Ø3-10mm arası 1.0mm atlamalı plastik kutuda	77.60

ER 16 COOLANT SEALED COLLET SET CLASS1

CODE	CONTENT	EURO
ERC16SET1	8pcs ERC16 Coolant sealed collets Class1 Ø3-10mm in 1.0mm increment in plastic case 8Ad. ERC-16 sızdırmaz pens Class 1 Ø3-10mm arası 1.0mm atlamalı plastik kutuda	88.00

ER 16 COOLANT SEALED COLLET SET TOPAC

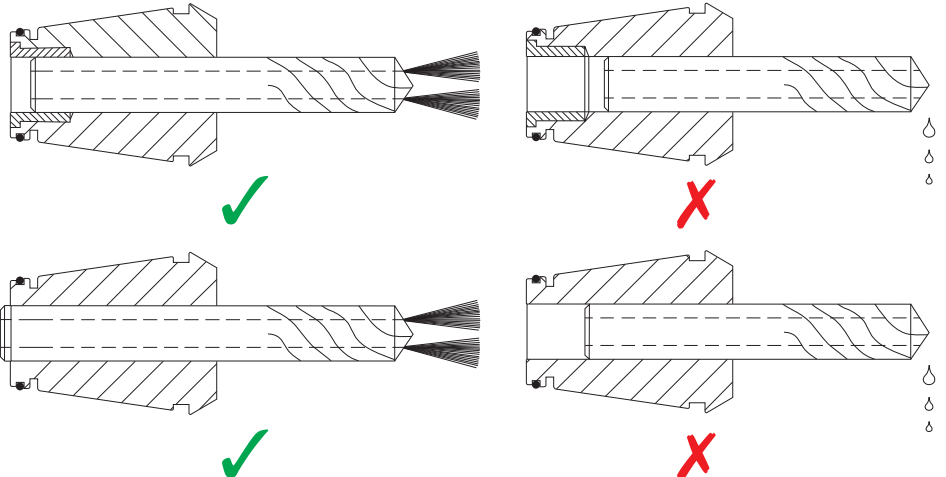
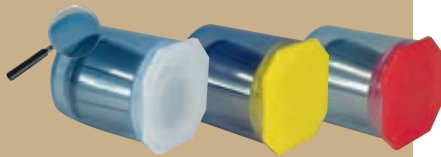
CODE	CONTENT	EURO
ERC16SETT	8pcs ERC16 Coolant sealed collets TOPAC Ø3-10mm in 1.0mm increment in plastic case 8Ad. ERC-16 sızdırmaz pens TOPAC Ø3-10mm arası 1.0mm atlamalı plastik kutuda	108.00

FEATURES OF gürkan COOLANT SEALED ER COLLETS

- Coolant Sealed performance only when clamped the nominal diameter.
- The shank should be inserted till the back end of the collet as swon in the instruction.
- Suitable for all kinds of ER collet holders
- May also be used as standard ER collet for the nominal diameter cutters without internal coolant
- Less flexible with harder structure compared with standard ER collets
- Other sizes are available on request
- Apply a little higher clamping torque than standard ER application for better grip & precision.
- Please see below clamping instruction for sealing action.

gürkan SIZDIRMAZ ER PENSLERİN ÖZELLİKLERİ

- Sızdırmaz özelliği sadece kendi çapını sıkıldığında geçerlidir
- Takım sapı pensin arkasına kadar sokulmalıdır
- Her türlü ER pens tutucusuna uygundur
- Nominal çapta standart pens olarak ta kullanılabilir.
- Daha sert gövde yapısına sahiptir.
- Diğer ölçüler siparişe yapılabilir.
- Normal ER uygulamasından biraz fazla sıkma torku sıkma performansını ve hassasiyeti artırır.
- Sızdırmazlık için aşağıdaki bağlama tarifini dikkate alınız.



ERC 20 COOLANT SEALED COLLETS / ERC20 SIZDIRMAZ PENSLER D=21 / L=31.5

ER 20 CLASS 2

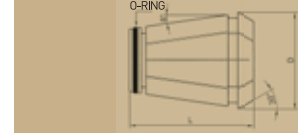
CODE	CLAMPING Ø	EURO
ERC200302	3.0	9.40
ERC200402	4.0	9.40
ERC200502	5.0	9.40
ERC200602	6.0	9.40
ERC200702	7.0	9.40
ERC200802	8.0	9.40
ERC200902	9.0	9.40
ERC201002	10.0	9.40
ERC201102	11.0	9.40
ERC201202	12.0	9.40
ERC201302	13.0	9.40

ER 20 CLASS 1

CODE	CLAMPING Ø	EURO
ERC200301	3.0	10.70
ERC200401	4.0	10.70
ERC200501	5.0	10.70
ERC200601	6.0	10.70
ERC200701	7.0	10.70
ERC200801	8.0	10.70
ERC200901	9.0	10.70
ERC201001	10.0	10.70
ERC201101	11.0	10.70
ERC201201	12.0	10.70
ERC201301	13.0	10.70

ER 20 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ERC20030T	3.0	13.20
ERC20040T	4.0	13.20
ERC20050T	5.0	13.20
ERC20060T	6.0	13.20
ERC20070T	7.0	13.20
ERC20080T	8.0	13.20
ERC20090T	9.0	13.20
ERC20100T	10.0	13.20
ERC20110T	11.0	13.20
ERC20120T	12.0	13.20
ERC20130T	13.0	13.20



ER 20 COOLANT SEALED COLLET SET CLASS2

CODE	CONTENT	EURO
ERC20SET2	11pcs ERC20 Coolant sealed collets Class2 Ø3-13mm in 1.0mm increment in plastic case 11Ad. ERC-20 sızdırmaz pens Class 2 Ø3-13mm arası 1.0mm atlamalı plastik kutuda	106.80

ER 20 COOLANT SEALED COLLET SET CLASS1

CODE	CONTENT	EURO
ERC20SET1	11pcs ERC20 Coolant sealed collets Class1 Ø3-13mm in 1.0mm increment in plastic case 11Ad. ERC-20 sızdırmaz pens Class 1 Ø3-13mm arası 1.0mm atlamalı plastik kutuda	121.10

ER 20 COOLANT SEALED COLLET SET TOPAC

CODE	CONTENT	EURO
ERC20SETT	11pcs ERC20 Coolant sealed collets TOPAC Ø3-13mm in 1.0mm increment in plastic case 11Ad. ERC-20 sızdırmaz pens TOPAC Ø3-13mm arası 1.0mm atlamalı plastik kutuda	148.60



ERC 25 COOLANT SEALED COLLETS / ERC25 SIZDIRMAZ PENSLER D=26 / L=34

ER 25 CLASS 2

CODE	CLAMPING Ø	EURO
ERC250302	3.0	10.00
ERC250402	4.0	10.00
ERC250502	5.0	10.00
ERC250602	6.0	10.00
ERC250702	7.0	10.00
ERC250802	8.0	10.00
ERC250902	9.0	10.00
ERC251002	10.0	10.00
ERC251102	11.0	10.00
ERC251202	12.0	10.00
ERC251302	13.0	10.00
ERC251402	14.0	10.00
ERC251502	15.0	10.00
ERC251601	16.0	10.00

ER 25 CLASS 1

CODE	CLAMPING Ø	EURO
ERC250301	3.0	11.30
ERC250401	4.0	11.30
ERC250501	5.0	11.30
ERC250601	6.0	11.30
ERC250701	7.0	11.30
ERC250801	8.0	11.30
ERC250901	9.0	11.30
ERC251001	10.0	11.30
ERC251101	11.0	11.30
ERC251201	12.0	11.30
ERC251301	13.0	11.30
ERC251401	14.0	11.30
ERC251501	15.0	11.30
ERC251601	16.0	11.30

ER 25 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ERC25030T	3.0	13.80
ERC25040T	4.0	13.80
ERC25050T	5.0	13.80
ERC25060T	6.0	13.80
ERC25070T	7.0	13.80
ERC25080T	8.0	13.80
ERC25090T	9.0	13.80
ERC25100T	10.0	13.80
ERC25110T	11.0	13.80
ERC25120T	12.0	13.80
ERC25130T	13.0	13.80
ERC25140T	14.0	13.80
ERC25150T	15.0	13.80
ERC25160T	16.0	13.80

ER 25 COOLANT SEALED COLLET SET CLASS2

CODE	CONTENT	EURO
ERC25SET2	14pcs ERC25 Coolant sealed collets Class2 Ø3-16mm in 1.0mm increment in plastic case 14Ad. ERC-25 sızdırmaz pens Class 2 Ø3-16mm arası 1.0mm atlamalı plastik kutuda	145.80

ER 25 COOLANT SEALED COLLET SET CLASS1

CODE	CONTENT	EURO
ERC25SET1	14pcs ERC25 Coolant sealed collets Class1 Ø3-16mm in 1.0mm increment in plastic box 14Ad. ERC-25 sızdırmaz pens Class 1 Ø3-16mm arası 1.0mm atlamalı plastik kutuda	164.00

ER 25 COOLANT SEALED COLLET SET TOPAC

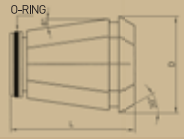
CODE	CONTENT	EURO
ERC25SETT	14pcs ERC25 Coolant sealed collets TOPAC Ø3-16mm in 1.0mm increment in plastic box 14Ad. ERC-25 sızdırmaz pens TOPAC Ø3-16mm arası 1.0mm atlamalı plastik kutuda	199.00



COOLANT SEALED ER COLLETS (For internal coolant tools)

SIZDIRMAZ ER PENSLER (İçten soğutmalı takımlar için)

Pat. 2013 00719



ERC 32 COOLANT SEALED COLLETS / ERC32 SIZDIRMAZ PENSLER

D=40 / L=33

ER 32 CLASS 2

CODE	CLAMPING Ø	EURO
ERC320302	3.0	10.60
ERC320402	4.0	10.60
ERC320502	5.0	10.60
ERC320602	6.0	10.60
ERC320702	7.0	10.60
ERC320802	8.0	10.60
ERC320902	9.0	10.60
ERC321002	10.0	10.60
ERC321102	11.0	10.60
ERC321202	12.0	10.60
ERC321302	13.0	10.60
ERC321402	14.0	10.60
ERC321502	15.0	10.60
ERC321602	16.0	10.60
ERC321702	17.0	10.60
ERC321802	18.0	10.60
ERC321902	19.0	10.60
ERC322002	20.0	10.60

ER 32 CLASS 1

CODE	CLAMPING Ø	EURO
ERC320301	3.0	12.00
ERC320401	4.0	12.00
ERC320501	5.0	12.00
ERC320601	6.0	12.00
ERC320701	7.0	12.00
ERC320801	8.0	12.00
ERC320901	9.0	12.00
ERC321001	10.0	12.00
ERC321101	11.0	12.00
ERC321201	12.0	12.00
ERC321301	13.0	12.00
ERC321401	14.0	12.00
ERC321501	15.0	12.00
ERC321601	16.0	12.00
ERC321701	17.0	12.00
ERC321801	18.0	12.00
ERC321901	19.0	12.00
ERC322001	20.0	12.00

ER 32 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ERC32030T	3.0	14.50
ERC32040T	4.0	14.50
ERC32050T	5.0	14.50
ERC32060T	6.0	14.50
ERC32070T	7.0	14.50
ERC32080T	8.0	14.50
ERC32090T	9.0	14.50
ERC32100T	10.0	14.50
ERC32110T	11.0	14.50
ERC32120T	12.0	14.50
ERC32130T	13.0	14.50
ERC32140T	14.0	14.50
ERC32150T	15.0	14.50
ERC32160T	16.0	14.50
ERC32170T	17.0	14.50
ERC32180T	18.0	14.50
ERC32190T	19.0	14.50
ERC32200T	20.0	14.50



ERC 32 COOLANT SEALED COLLET SETS / ERC32 SIZDIRMAZ PENS TAKIMLARI

ER 32 COOLANT SEALED COLLET SET CLASS2

CODE	CONTENT	EURO
ERC32SET2	18pcs ERC32 Coolant sealed collets Class2 Ø3-20mm in 1.0mm increment in plastic case 18Ad. ERC32 sızdırmaz pens Class 2 Ø3-20mm arası 1.0mm atlamalı plastik kutuda	197.80

ER 32 COOLANT SEALED COLLET SET CLASS1

CODE	CONTENT	EURO
ERC32SET1	18pcs ERC32 Coolant sealed collets Class1 Ø3-20mm in 1.0mm increment in plastic case 18Ad. ERC32 sızdırmaz pens Class 1 Ø3-20mm arası 1.0mm atlamalı plastik kutuda	223.00

ER 32 COOLANT SEALED COLLET SET TOPAC

CODE	CONTENT	EURO
ERC32SETT	18pcs ERC32 Coolant sealed collets TOPAC Ø3-20mm in 1.0mm increment in plastic case 18Ad. ERC32 sızdırmaz pens TOPAC Ø3-20mm arası 1.0mm atlamalı plastik kutuda	268.00

COOLANT SEALED ER COLLETS (For internal coolant tools)

SIZDIRMAZ ER PENSLER (İçten soğutmalı takımlar için)

Pat. 2013 00719



ERC 40 COOLANT SEALED COLLETS / ERC40 SIZDIRMAZ PENSLER D=41 / L=46

ER40 CLASS 2

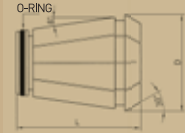
CODE	CLAMPING Ø	EURO
ERC400302	3.0	12.60
ERC400402	4.0	12.60
ERC400502	5.0	12.60
ERC400602	6.0	12.60
ERC400702	7.0	12.60
ERC400802	8.0	12.60
ERC400902	9.0	12.60
ERC401002	10.0	12.60
ERC401102	11.0	12.60
ERC401202	12.0	12.60
ERC401302	13.0	12.60
ERC401402	14.0	12.60
ERC401502	15.0	12.60
ERC401602	16.0	12.60
ERC401702	17.0	12.60
ERC401802	18.0	12.60
ERC401902	19.0	12.60
ERC402002	20.0	12.60
ERC402102	21.0*	12.60
ERC402202	22.0*	12.60
ERC402302	23.0*	12.60
ERC402402	24.0*	12.60
ERC402502	25.0	12.60
ERC402602	26.0*	12.60

ER 40 CLASS 1

CODE	CLAMPING Ø	EURO
ERC400301	3.0	14.00
ERC400401	4.0	14.00
ERC400501	5.0	14.00
ERC400601	6.0	14.00
ERC400701	7.0	14.00
ERC400801	8.0	14.00
ERC400901	9.0	14.00
ERC401001	10.0	14.00
ERC401101	11.0	14.00
ERC401201	12.0	14.00
ERC401301	13.0	14.00
ERC401401	14.0	14.00
ERC401501	15.0	14.00
ERC401601	16.0	14.00
ERC401701	17.0	14.00
ERC401801	18.0	14.00
ERC401901	19.0	14.00
ERC402001	20.0	14.00
ERC402101	21.0*	14.00
ERC402201	22.0*	14.00
ERC402301	23.0*	14.00
ERC402401	24.0*	14.00
ERC402501	25.0	14.00
ERC402601	26.0*	14.00

ER 40 TOPAC (5 micron)

CODE	CLAMPING Ø	EURO
ERC40030T	3.0	16.50
ERC40040T	4.0	16.50
ERC40050T	5.0	16.50
ERC40060T	6.0	16.50
ERC40070T	7.0	16.50
ERC40080T	8.0	16.50
ERC40090T	9.0	16.50
ERC40100T	10.0	16.50
ERC40110T	11.0	16.50
ERC40120T	12.0	16.50
ERC40130T	13.0	16.50
ERC40140T	14.0	16.50
ERC40150T	15.0	16.50
ERC40160T	16.0	16.50
ERC40170T	17.0	16.50
ERC40180T	18.0	16.50
ERC40190T	19.0	16.50
ERC40200T	20.0	16.50
ERC40210T	21.0*	16.50
ERC40220T	22.0*	16.50
ERC40230T	23.0*	16.50
ERC40240T	24.0*	16.50
ERC40250T	25.0	16.50
ERC40260T	26.0*	16.50



ERC 40 COOLANT SEALED COLLET SETS / ERC40 SIZDIRMAZ PENS TAKIMLARI

ER 40 COOLANT SEALED COLLET SET CLASS2

CODE	CONTENT	EURO
ERC40SET2	19pcs ERC40 Coolant sealed collets Class2 Ø3-25mm in 1.0mm increment in plastic case 19Ad. ERC40 sızdırmaz pens Class 2 Ø3-25mm arası 1.0mm atlamalı plastik kutuda	251.80

ER 40 COOLANT SEALED COLLET SET CLASS1

CODE	CONTENT	EURO
ERC40SET1	19pcs ERC40 Coolant sealed collets Class1 Ø3-25mm in plastic case 19Ad. ERC-40 sızdırmaz pens Class 1 Ø3-25mm arası plastik kutuda	278.40

ER 40 COOLANT SEALED COLLET SET TOPAC

CODE	CONTENT	EURO
ERC40SETT	19pcs ERC40 Coolant sealed collets TOPAC Ø3-25mm in plastic case 19Ad. ERC-40 sızdırmaz pens TOPAC Ø3-25mm arası plastik kutuda	325.90

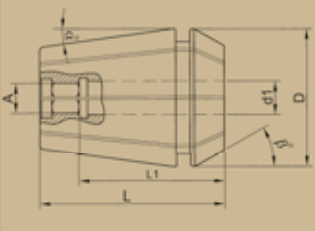
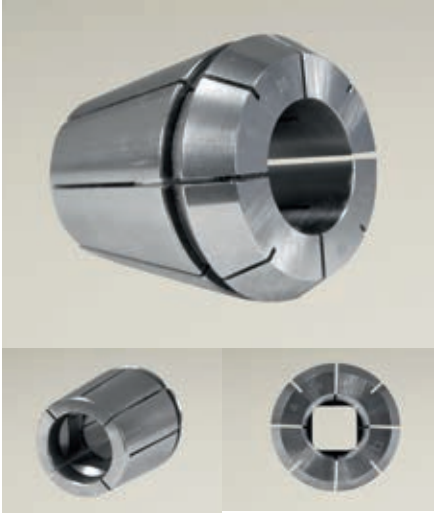
* These sizes are not in the ERC40SET

* Bu ölçüler setin içinde yoktur.



TAPPING ER COLLETS

ER KILAVUZ PENSLERİ



ERT 16 TAPPING COLLET / ERT16 KILAVUZ PENSLERİ

D=16.5 / L=27.5

CODE	d1	A Tap square Size □ mm	Tap specs*-Kılavuz detayı*	EURO
ERT16028	2.8	2.1	DIN371 M2-M2.5 - DIN 376 M4	11.00
ERT16035	3.5	2.7	DIN371 M3-DIN376 M5	11.00
ERT16040	4	3.15/3.2	ISO M4/M5-JIS M3/M3.5	11.00
ERT16045	4.5	3.4	DIN371 M4-DIN376 M6	11.00
ERT16050	5	4	ISO M5-JIS M4	11.00
ERT16055	5.5	4.3	DIN374/376 M7	11.00
ERT16060	6	4.9	DIN371 M4.5/M5/M6 DIN374/376 M8	11.00
ERT16063	6.3	5	ISO M6-M8-1/4-5/16	11.00
ERT16070	7	5.5	DIN371 M7 DIN374/376 M9-M10 JIS M9-M10	11.00
ERT16080	8	6.2/6.3	DIN371 M8 ISO M8-M10-7/16-5/16	11.00

ERT 16 TAPPING COLLET SETS / ERT16 KILAVUZ PENS TAKIMLARI

CODE	CONTENT	EURO
ERT16SET	10pcs ERT16 tapping ER collets suitable for taps with shank Ø2.8-8.0 in plastic case 10 Adet ERT16 kılavuz pensleri sapı Ø2.8-8.0 kılavuzlara uygun plastik kutuda	113.20

ERT 20 TAPPING COLLET / ERT20 KILAVUZ PENSLERİ

D=20.5 / L=32.5

CODE	d1	A Tap square Size □ mm	Tap specs*-Kılavuz detayı*	EURO
ERT20035	3.5	2.7	DIN371 M3-DIN376 M5	11.20
ERT20040	4	3.15/3.2	ISO M4/M5-JIS M3/M3.5	11.20
ERT20045	4.5	3.4	DIN371 M4-DIN376 M6	11.20
ERT20050	5	4	ISO M5-JIS M4	11.20
ERT20055	5.5	4.3	DIN374/376 M7	11.20
ERT20060	6	4.9	DIN371 M4.5/M5/M6 DIN374/376 M8	11.20
ERT20063	6.3	5	ISO M6-M8-1/4-5/16	11.20
ERT20070	7	5.5	DIN371 M7 DIN374/376 M9-M10 JIS M9-M10	11.20
ERT20080	8	6.2/6.3	DIN371 M8 ISO M8-M10-7/16-5/16	11.20
ERT20090	9	7.0/7.1	DIN374/376 M12 ISO M12 -1/2	11.20
ERT20100	10	8	DIN371 M10 ISO M10 - 3/8	11.20
ERT20110	11	9	DIN 374/376 M14 - 9/16	11.20
ERT20120	12	9	DIN 374/376 M16 - 5/8	11.20

ERT 20 TAPPING COLLET SETS / ERT20 KILAVUZ PENS TAKIMLARI

CODE	CONTENT	EURO
ERT20SET	13pcs ERT20 tapping ER collets suitable for taps with shank Ø3.5-12.0 in plastic case 13 Adet ERT20 kılavuz pensleri sapı Ø3.5-12.0 kılavuzlara uygun plastik kutuda	149.00

*Tap specs indicated are some of the suitable sizes only.
Tapping ER collets are all made to CL1 (Class 1 - 10 Micron) Precision Standard
They are packed with green cap.

*Belirtilen kılavuz detaylarında uygun ölçülerin sadece bir kısmı belirtilmiştir.
Tüm kılavuz pensleri CL1 (Class 1 - 10 Micron) hassasiyet sınıfına göre üretilmiştir.
Ambalajları yeşil kapaklıdır.



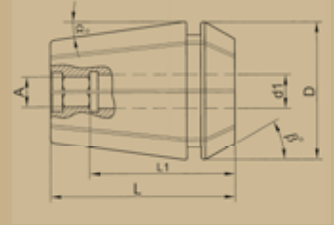
TAPPING ER COLLETS

ER KILAVUZ PENSLERİ

ERT 25 TAPPING COLLET / ERT25 KILAVUZ PENSLERİ

D=25.5 / L=34

CODE	d1	A Tap square Size □ mm	Tap specs*-Kilavuz detayı*	EURO
ERT25035	3.5	2.7	DIN371 M3-DIN376 M5	11.50
ERT25040	4	3.15/3.2	ISO M4/M5-JIS M3/M3.5	11.50
ERT25045	4.5	3.4	DIN371 M4-DIN376 M6	11.50
ERT25050	5	4	ISO M5-JIS M4	11.50
ERT25055	5.5	4.3	DIN374/376 M7	11.50
ERT25060	6	4.9	DIN371 M4.5/M5/M6 DIN374/376 M8	11.50
ERT25063	6.3	5	ISO M6-M8-1/4-5/16	11.50
ERT25070	7	5.5	DIN371 M7 DIN374/376 M9-M10 JIS M9-M10	11.50
ERT25080	8	6.2/6.3	DIN371 M8 ISO M8-M10-7/16-5/16	11.50
ERT25090	9	7.0/7.1	DIN374/376 M12 ISO M12 - 1/2	11.50
ERT25100	10	8	DIN371 M10 ISO M10 - 3/8	11.50
ERT25110	11	9	DIN374/376 M14 - 9/16	11.50
ERT25120	12	9	DIN374/376 M16 - 5/8	11.50
ERT25125**	12.5**	10	ISO M16 - 5/8 JIS M16	11.50
ERT25140	14	11.0/11.2	DIN374/376 M18 - JIS M18 ISO M18/M20 3/4	11.50
ERT25160	16	12	DIN374/376 M20	11.50



ERT 25 TAPPING COLLET SETS / ERT25 KILAVUZ PENS TAKIMLARI

CODE	CONTENT	EURO
ERT25SET	15pcs ERT25 tapping ER collets suitable for taps with shank Ø3.5-16.0 in plastic case 15 Adet ERT25 kılavuz pensleri sapı Ø3.5-16.0 kılavuzlara uygun plastik kutuda	178.20

**Please note this items in not included in the set

**Lütfen dikkat ediniz, bu ürün setin içinde yoktur.

ERT 32 TAPPING COLLET / ERT32 KILAVUZ PENSLERİ

D=32.5 / L=40

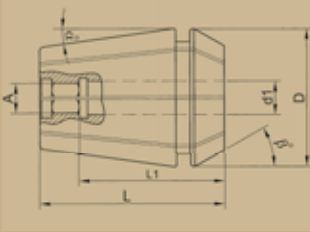
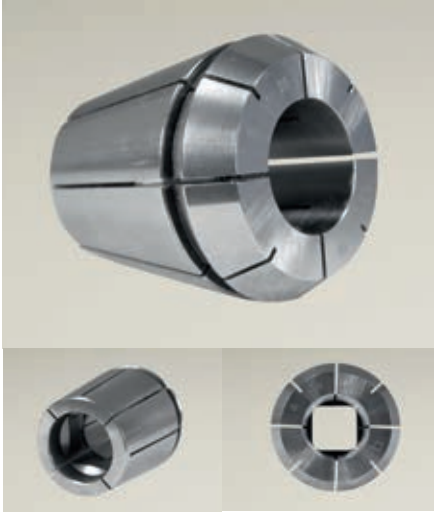
CODE	d1	A Tap square Size □ mm	Tap specs*-Kilavuz detayı*	EURO
ERT32035	3.5	2.7	DIN371 M3-DIN376 M5	12.60
ERT32040	4	3.15/3.2	ISO M4/M5-JIS M3/M3.5	12.60
ERT32045	4.5	3.4	DIN371 M4-DIN376 M6	12.60
ERT32050	5	4	ISO M5-JIS M4	12.60
ERT32055	5.5	4.3	DIN374/376 M7	12.60
ERT32060	6	4.9	DIN371 M4.5/M5/M6 DIN374/376 M8	12.60
ERT32063	6.3	5	ISO M6-M8-1/4-5/16	12.60
ERT32070	7	5.5	DIN371 M7 DIN374/376 M9-M10 JIS M9-M10	12.60
ERT32080	8	6.2/6.3	DIN371 M8 ISO M8-M10-7/16-5/16	12.60
ERT32090	9	7.0/7.1	DIN374/376 M12 ISO M12 - 1/2	12.60
ERT32100	10	8	DIN371 M10 ISO M10 - 3/8	12.60
ERT32110	11	9	DIN374/376 M14 - 9/16	12.60
ERT32120	12	9	DIN374/376 M16 - 5/8	12.60
ERT32125	12.5	10	ISO M16 - 5/8 JIS M16	12.60
ERT32140	14	11.0/11.2	DIN374/376 M18 - JIS M18 ISO M18/M20 3/4	12.60
ERT32160	16	12	DIN374/376 M20	12.60
ERT32180	18	14.0/14.5	DIN374/376 M22-M24-7/8" ISO M24 -1"	12.60
ERT32200	20	16	DIN374/376 M27-1" ISO M27-M30-1 1/8"	12.60

ERT 32 TAPPING COLLET SETS / ERT32 KILAVUZ PENS TAKIMLARI

CODE	CONTENT	EURO
ERT32SET	18pcs ERT32 tapping ER collets suitable for taps with shank Ø3.5-20.0 in plastic case 18 Adet ERT32 kılavuz pensleri sapı Ø3.5-20.0 kılavuzlara uygun plastik kutuda	233.80

TAPPING ER COLLETS

ER KILAVUZ PENSLERİ



ERT 40 TAPPING COLLET / ERT40 KILAVUZ PENSLERİ

D=40.5 / L=46

CODE	d1	A Tap Square Size □ mm	Tap specs*-Kilavuz detayı*	EURO
ERT40040	4	3.15/3.2	ISO M4/M5-JIS M3/M3.5	14.40
ERT40045	4.5	3.4	DIN371 M4-DIN376 M6	14.40
ERT40050	5	4	ISO M5-JIS M4	14.40
ERT40055	5.5	4.3	DIN374/376 M7	14.40
ERT40060	6	4.9	DIN371 M4.5/M5/M6 DIN374/376 M8	14.40
ERT40063	6.3	5	ISO M6-M8-1/4-5/16	14.40
ERT40070	7	5.5	DIN371 M7 DIN374/376 M9-M10 JIS M9-M10	14.40
ERT40080	8	6.2/6.3	DIN371 M8 ISO M8-M10-7/16-5/16	14.40
ERT40090	9	7.0/7.1	DIN374/376 M12 ISO M12 -1/2	14.40
ERT40100	10	8	DIN371 M10 ISO M10 - 3/8	14.40
ERT40110	11	9	DIN 374/376 M14 - 9/16	14.40
ERT40120	12	9	DIN 374/376 M16 - 5/8	14.40
ERT40125	12.5	10	ISO M16 - 5/8" JIS M16	14.40
ERT40140	14	11.0/11.2	DIN 374/376 M18 - JIS M18 ISO M18-M20 3/4"	14.40
ERT40160	16	12	DIN 374/376 M20	14.40
ERT40170**	17**	13	JIS M22 7/8"	14.40
ERT40180	18	14.0/14.5	DIN 374/376 M22 - M24 - 7/8" ISO M24 - 1"	14.40
ERT40200	20	16	DIN 374/376 M27 - 1" ISO M27 - M30 - 1 1/8"	14.40
ERT40220	22	18	DIN 374/376 M30 - 1 1/8"	14.40
ERT40250	25	20	DIN 374/376 M33 - 1 1/4" ISO M36	14.40

ERT 40 TAPPING COLLET SETS / ERT40 KILAVUZ PENS TAKIMLARI

CODE	CONTENT	EURO
ERT40SET	19pcs ERT40 tapping ER collets suitable for taps with shank Ø4.0-25.0 in plastic case 19 Adet ERT40 kılavuz pensleri sapı Ø4-25.0 kılavuzlara uygun plastik kutuda	286.00

**Please note this items in not included in the set
**Lütfen dikkat ediniz, bu ürün setin içinde yoktur.

*Tap specs indicated are some of the suitable sizes only.
Tapping ER collets are all made to CL1 (Class 1- 10 Micron) Precision Standard
They are packed with green cap.

*Belirtilen kılavuz detaylarında uygun ölçülerin sadece bir kısmı belirtilmiştir.
Tüm kılavuz pensleri CL1 (Class 1 - 10 Micron) hassasiyet sınıfına göre üretilmiştir.
Ambalajları yeşil kapalıdır.



INCH SIZED ER COLLETS

İNÇ ÖLÇÜ ER PENSLELER

ER8	CLASS 2		CLASS 1		TOPAC (5 micron)	
CLAMPING Ø INCH	CODE	EURO	CODE	EURO	CODE	EURO
1/16	ER0801592	7.40	ER0801591	8.80	ER080159T	12.80
1/8	ER0803182	5.10	ER0803181	6.20	ER080318T	8.40
3/16	ER0804762	5.10	ER0804761	6.20	ER080476T	8.40

ER11	CLASS 2		CLASS 1		TOPAC (5 micron)	
CLAMPING Ø INCH	CODE	EURO	CODE	EURO	CODE	EURO
1/16	ER1101592	6.90	ER1101591	8.10	ER110159T	12.10
1/8	ER1103182	4.50	ER1103181	5.50	ER110318T	7.70
3/16	ER1104762	4.50	ER1104761	5.50	ER110476T	7.70
1/4	ER1106352	4.50	ER1106351	5.50	ER110635T	7.70

ER16	CLASS 2		CLASS 1		TOPAC (5 micron)	
CLAMPING Ø INCH	CODE	EURO	CODE	EURO	CODE	EURO
1/16	ER1601592	5.50	ER1601591	7.20	ER160159T	11.00
1/8	ER1603182	3.60	ER1603181	4.90	ER160318T	6.80
3/16	ER1604762	3.60	ER1604761	4.90	ER160476T	6.80
1/4	ER1606352	3.60	ER1606351	4.90	ER160635T	6.80
5/16	ER1607942	3.60	ER1607941	4.90	ER160794T	6.80
3/8	ER1609532	3.60	ER1609531	4.90	ER160953T	6.80

ER20	CLASS 2		CLASS 1		TOPAC (5 micron)	
CLAMPING Ø INCH	CODE	EURO	CODE	EURO	CODE	EURO
1/16	ER2001592	5.80	ER2001591	7.50	ER200159T	11.30
1/8	ER2003182	3.80	ER2003181	5.20	ER200318T	7.00
3/16	ER2004762	3.80	ER2004761	5.20	ER200476T	7.00
1/4	ER2006352	3.80	ER2006351	5.20	ER200635T	7.00
5/16	ER2007942	3.80	ER2007941	5.20	ER200794T	7.00
3/8	ER2009532	3.80	ER2009531	5.20	ER200953T	7.00
7/16	ER2011112	3.80	ER2011111	5.20	ER201111T	7.00
1/2	ER2012702	3.80	ER2012701	5.20	ER201270T	7.00

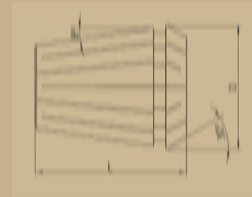
ER25	CLASS 2		CLASS 1		TOPAC (5 micron)	
CLAMPING Ø INCH	CODE	EURO	CODE	EURO	CODE	EURO
1/16	ER2501592	6.80	ER2501591	8.50	ER250159T	12.30
1/8	ER2503182	4.10	ER2503181	5.50	ER250318T	7.30
3/16	ER2504762	4.10	ER2504761	5.50	ER250476T	7.30
1/4	ER2506352	4.10	ER2506351	5.50	ER250635T	7.30
5/16	ER2507942	4.10	ER2507941	5.50	ER250794T	7.30
3/8	ER2509532	4.10	ER2509531	5.50	ER250953T	7.30
7/16	ER2511112	4.10	ER2511111	5.50	ER251111T	7.30
1/2	ER2512702	4.10	ER2512701	5.50	ER251270T	7.30
9/16	ER2514292	4.10	ER2514291	5.50	ER251429T	7.30
5/8	ER2515882	4.10	ER2515881	5.50	ER251588T	7.30

Other inch sized collets are available on request.

Inch sized ER collet sets in plastic cases are available on request.

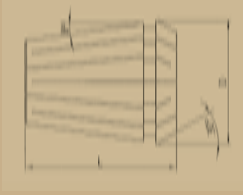
Diğer inç ölçü pensler siparişe yapılır.

İnç ölçü ER pens takımları siparişe yapılır.



INCH SIZED ER COLLETS

İNÇ ÖLÇÜ ER PENSLELER



ER32 CLAMPING Ø INCH	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
1/8	ER3203182	4.30	ER3203181	5.90	ER320318T	7.60
3/16	ER3204762	4.30	ER3204761	5.90	ER320476T	7.60
1/4	ER3206352	4.30	ER3206351	5.90	ER320635T	7.60
5/16	ER3207942	4.30	ER3207941	5.90	ER320794T	7.60
3/8	ER3209532	4.30	ER3209531	5.90	ER320953T	7.60
7/16	ER3211112	4.30	ER3211111	5.90	ER321111T	7.60
1/2	ER3212702	4.30	ER3212701	5.90	ER321270T	7.60
9/16	ER3214292	4.30	ER3214291	5.90	ER321429T	7.60
5/8	ER3215882	4.30	ER3215881	5.90	ER321588T	7.60
11/16	ER3217462	4.30	ER3217461	5.90	ER321746T	7.60
3/4	ER3219052	4.30	ER3219051	5.90	ER321905T	7.60

ER40 CLAMPING Ø INCH	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
1/8	ER4003182	7.40	ER4003181	8.90	ER400318T	10.80
5/32	ER4003972	5.30	ER4003971	7.20	ER400397T	9.10
3/16	ER4004762	5.30	ER4004761	7.20	ER400476T	9.10
7/32	ER4005562	5.30	ER4005561	7.20	ER400556T	9.10
1/4	ER4006352	5.30	ER4006351	7.20	ER400635T	9.10
9/32	ER4007142	5.30	ER4007141	7.20	ER400714T	9.10
5/16	ER4007942	5.30	ER4007941	7.20	ER400794T	9.10
11/32	ER4008732	5.30	ER4008731	7.20	ER400873T	9.10
3/8	ER4009532	5.30	ER4009531	7.20	ER400953T	9.10
13/32	ER4010322	5.30	ER4010321	7.20	ER401032T	9.10
7/16	ER4011112	5.30	ER4011111	7.20	ER401111T	9.10
15/32	ER4011912	5.30	ER4011911	7.20	ER401191T	9.10
1/2	ER4012702	5.30	ER4012701	7.20	ER401270T	9.10
17/32	ER4013492	5.30	ER4013491	7.20	ER401349T	9.10
9/16	ER4014292	5.30	ER4014291	7.20	ER401429T	9.10
19/32	ER4015082	5.30	ER4015081	7.20	ER401508T	9.10
5/8	ER4015882	5.30	ER4015881	7.20	ER401588T	9.10
21/32	ER4016672	5.30	ER4016671	7.20	ER401667T	9.10
11/16	ER4017462	5.30	ER4017461	7.20	ER401746T	9.10
23/32	ER4018262	5.30	ER4018261	7.20	ER401826T	9.10
3/4	ER4019052	5.30	ER4019051	7.20	ER401905T	9.10
13/16	ER4020642	5.30	ER4020641	7.20	ER402064T	9.10
7/8	ER4022232	5.30	ER4022231	7.20	ER402223T	9.10
15/16	ER4023812	5.30	ER4023811	7.20	ER402381T	9.10
1"	ER4025402	5.30	ER4025401	7.20	ER402540T	9.10

Other inch sized collets are available on request.

Inch sized ER collet sets in plastic cases are available on request.

Diğer inç ölçü pensler siparişe yapılır.

Inch ölçü ER pens takımları siparişe yapılır.

INCH SIZED COOLANT SEALED ER COLLETS for internal coolant tools

İNÇ ÖLÇÜ SIZDIRMAZ ER PENSLEER İçten soğutmalı takımalar için Pat. 2013 00719



ERC16	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CLAMPING Ø mm						
1/4	ERC1606352	10.40	ERC1606351	11.70	ERC160635T	14.20
5/16	ERC1607942	10.40	ERC1607941	11.70	ERC160794T	14.20
3/8	ERC1609532	10.40	ERC1609531	11.70	ERC160953T	14.20

ERC20	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CLAMPING Ø mm						
1/4	ERC2006352	10.50	ERC2006351	11.80	ERC200635T	14.30
5/16	ERC2007942	10.50	ERC2007941	11.80	ERC200794T	14.30
3/8	ERC2009532	10.50	ERC2009531	11.80	ERC200953T	14.30
7/16	ERC2011112	10.50	ERC2011111	11.80	ERC201111T	14.30

ERC25	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CLAMPING Ø mm						
1/4	ERC2506352	11.10	ERC2506351	12.40	ERC250635T	14.90
5/16	ERC2507942	11.10	ERC2507941	12.40	ERC250794T	14.90
3/8	ERC2509532	11.10	ERC2509531	12.40	ERC250953T	14.90
7/16	ERC2511112	11.10	ERC2511111	12.40	ERC251111T	14.90
1/2	ERC2512702	11.10	ERC2512701	12.40	ERC251270T	14.90
9/16	ERC2514292	11.10	ERC2514291	12.40	ERC251429T	14.90
5/8	ERC2515882	11.10	ERC2515881	12.40	ERC251588T	14.90

ERC32	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CLAMPING Ø mm						
1/4	ERC3206352	11.60	ERC3206351	13.00	ERC320635T	15.50
5/16	ERC3207942	11.60	ERC3207941	13.00	ERC320794T	15.50
3/8	ERC3209532	11.60	ERC3209531	13.00	ERC320953T	15.50
7/16	ERC3211112	11.60	ERC3211111	13.00	ERC321111T	15.50
1/2	ERC3212702	11.60	ERC3212701	13.00	ERC321270T	15.50
9/16	ERC3214292	11.60	ERC3214291	13.00	ERC321429T	15.50
5/8	ERC3215882	11.60	ERC3215881	13.00	ERC321588T	15.50
3/4	ERC3219052	11.60	ERC3219051	13.00	ERC321905T	15.50

ERC40	CLASS 2		CLASS 1		TOPAC (5 micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CLAMPING Ø mm						
1/4	ERC4006352	13.60	ERC4006351	15.00	ERC400635T	17.50
5/16	ERC4007942	13.60	ERC4007941	15.00	ERC400794T	17.50
3/8	ERC4009532	13.60	ERC4009531	15.00	ERC400953T	17.50
7/16	ERC4011112	13.60	ERC4011111	15.00	ERC401111T	17.50
1/2	ERC4012702	13.60	ERC4012701	15.00	ERC401270T	17.50
9/16	ERC4014292	13.60	ERC4014291	15.00	ERC401429T	17.50
5/8	ERC4015882	13.60	ERC4015881	15.00	ERC401588T	17.50
3/4	ERC4019052	13.60	ERC4019051	15.00	ERC401905T	17.50
1"	ERC4025402	13.60	ERC4025401	15.00	ERC402540T	17.50

FEATURES OF gürkan COOLANT SEALED ER COLLETS

Coolant Sealed performance only when clamped the nominal diameter.

The shank should be inserted till the back end of the collet as swon in the instruction.

Suitable for all kinds of ER collet holders

May also be used as standard ER collet for the nominal diameter cutters without internal coolant

Less flexible with harder structure compared with standard ER collets. Other sizes are available on request.

Apply a little higher clamping torque than standard ER application for better grip & precision.

Please see on the right clamping instruction for sealing action.

gürkan SIZDIRMAZ ER PENSLEERİN ÖZELLİKLERİ

Sızdırmaz özelliği sadece kendi çapını sıkıldığında geçerlidir. Takım sapı pensin arkasına kadar sokulmalıdır.

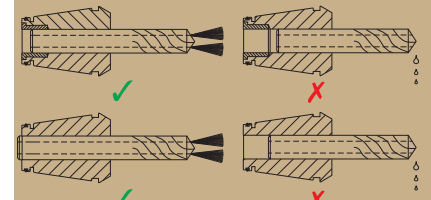
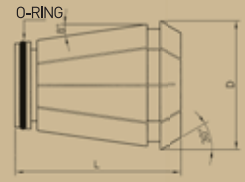
Her türlü ER pens tutucusuna uygundur.

Nominal çapta standart pens olarak ta kullanılabilir.

Daha sert gövde yapısına sahiptir. Diğer ölçüler siparişe yapılabilir.

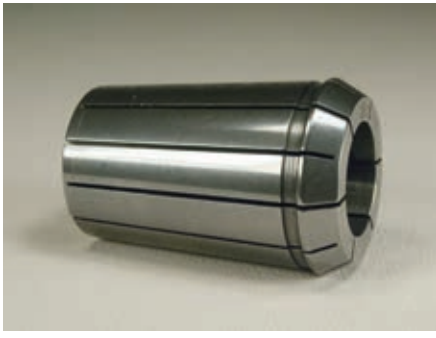
Normal ER uygulamasından biraz fazla sıkma torqu sıkma performansını ve hassasiyeti artırır.

Sızdırmazlık için sağdaki bağlama tarifini dikkate alınız.

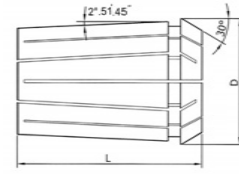


DIN6388B-25 COLLETS

DIN6388B-25 PENSİLER



D	35.05mm
L	52
α	2° 51' 45"
β	30
CLAMPING RANGE TUTMA ARALIĞI	2.0-25.4
CLAMPING STEPS TUTMA KAPASİTESİ	0.5



DIN 6388B-25 CLASS 2

CODE	CLAMPING Ø	EURO
OZ250202	2.0-1.5	10.40
OZ250252	2.5-2.0	10.40
OZ250302	3.0-2.5	9.80
OZ250352	3.5-3.0	9.80
OZ250402	4.0-3.5	7.30
OZ250452	4.5-4.0	9.20
OZ250502	5.0-4.5	7.30
OZ250552	5.5-5.0	9.20
OZ250602	6.0-5.5	7.30
OZ250632	1/4"(6.35)	9.20
OZ250652	6.5-6.0	9.20
OZ250702	7.0-6.5	7.30
OZ250752	7.5-7.0	9.20
OZ250802	8.0-7.5	7.30
OZ250852	8.5-8.0	9.20
OZ250902	9.0-8.5	7.30
OZ250952	9.5-9.0	9.20
OZ250962	3/8"(9.53)	9.20
OZ251002	10.0-9.5	7.30
OZ251052	10.5-10.0	9.20
OZ251102	11.0-10.5	7.30
OZ251152	11.5-11.0	9.20
OZ251202	12.0-11.5	7.30
OZ251252	12.5-12.0	9.20
OZ251272	1/2"(12.70)	9.20
OZ251302	13.0-12.5	7.30
OZ251352	13.5-13.0	9.20
OZ251402	14.0-13.5	7.30
OZ251452	14.5-14.0	9.20
OZ251502	15.0-14.5	7.30
OZ251552	15.5-15.0	9.20
OZ251582	5/8"(15.87)	9.20
OZ251602	16.0-15.5	7.30
OZ251652	16.5-16.0	9.20
OZ251702	17.0-16.5	7.30
OZ251752	17.5-17.0	9.20
OZ251802	18.0-17.5	7.30
OZ251852	18.5-18.0	9.20
OZ251902	19.0-18.5	7.30
OZ251912	3/4"(19.05)	9.20
OZ251952	19.5-19.0	9.20
OZ252002	20.0-19.5	7.30
OZ252052	20.5-20.0	9.20
OZ252102	21.0-20.5	7.30
OZ252152	21.5-21.0	9.20
OZ252202	22.0-21.5	7.30
OZ252252	22.5-22.0	9.20
OZ252302	23.0-22.5	7.30
OZ252352	23.5-23.0	9.20
OZ252402	24.0-23.5	7.30
OZ252452	24.5-24.0	9.20
OZ252502	25.0-24.5	7.30
OZ252542	1"(25.40)	9.20

DIN 6388B-25 CLASS 1

CODE	CLAMPING Ø	EURO
OZ250201	2.0-1.5	11.60
OZ250251	2.5-2.0	11.60
OZ250301	3.0-2.5	11.00
OZ250351	3.5-3.0	11.00
OZ250401	4.0-3.5	8.50
OZ250451	4.5-4.0	10.40
OZ250501	5.0-4.5	8.50
OZ250551	5.5-5.0	10.40
OZ250601	6.0-5.5	8.50
OZ250631	1/4"(6.35)	10.40
OZ250651	6.5-6.0	10.40
OZ250701	7.0-6.5	8.50
OZ250751	7.5-7.0	10.40
OZ250801	8.0-7.5	8.50
OZ250851	8.5-8.0	10.40
OZ250901	9.0-8.5	8.50
OZ250951	9.5-9.0	10.40
OZ250961	3/8"(9.53)	10.40
OZ251001	10.0-9.5	8.50
OZ251051	10.5-10.0	10.40
OZ251101	11.0-10.5	8.50
OZ251151	11.5-11.0	10.40
OZ251201	12.0-11.5	8.50
OZ251251	12.5-12.0	10.40
OZ251271	1/2"(12.70)	10.40
OZ251301	13.0-12.5	8.50
OZ251351	13.5-13.0	10.40
OZ251401	14.0-13.5	8.50
OZ251451	14.5-14.0	10.40
OZ251501	15.0-14.5	8.50
OZ251551	15.5-15.0	10.40
OZ251581	5/8"(15.87)	10.40
OZ251601	16.0-15.5	8.50
OZ251651	16.5-16.0	10.40
OZ251701	17.0-16.5	8.50
OZ251751	17.5-17.0	10.40
OZ251801	18.0-17.5	8.50
OZ251851	18.5-18.0	10.40
OZ251901	19.0-18.5	8.50
OZ251911	3/4"(19.05)	10.40
OZ251951	19.5-19.0	10.40
OZ252001	20.0-19.5	8.50
OZ252051	20.5-20.0	10.40
OZ252101	21.0-20.5	8.50
OZ252151	21.5-21.0	10.40
OZ252201	22.0-21.5	8.50
OZ252251	22.5-22.0	10.40
OZ252301	23.0-22.5	8.50
OZ252351	23.5-23.0	10.40
OZ252401	24.0-23.5	8.50
OZ252451	24.5-24.0	10.40
OZ252501	25.0-24.5	8.50
OZ252541	1"(25.40)	10.40

DIN 6388B-25 TOPAC (5 Micron)

CODE	CLAMPING Ø	EURO
OZ25020T	2.0-1.5	13.60
OZ25025T	2.5-2.0	13.60
OZ25030T	3.0-2.5	13.00
OZ25035T	3.5-3.0	13.00
OZ25040T	4.0-3.5	10.50
OZ25045T	4.5-4.0	12.40
OZ25050T	5.0-4.5	10.50
OZ25055T	5.5-5.0	12.40
OZ25060T	6.0-5.5	10.50
OZ25063T	1/4"(6.35)	12.40
OZ25065T	6.5-6.0	12.40
OZ25070T	7.0-6.5	10.50
OZ25075T	7.5-7.0	12.40
OZ25080T	8.0-7.5	10.50
OZ25085T	8.5-8.0	12.40
OZ25090T	9.0-8.5	10.50
OZ25095T	9.5-9.0	12.40
OZ25096T	3/8"(9.53)	12.40
OZ25100T	10.0-9.5	10.50
OZ25105T	10.5-10.0	12.40
OZ25110T	11.0-10.5	10.50
OZ25115T	11.5-11.0	12.40
OZ25120T	12.0-11.5	10.50
OZ25125T	12.5-12.0	12.40
OZ25127T	1/2"(12.70)	12.40
OZ25130T	13.0-12.5	10.50
OZ25135T	13.5-13.0	12.40
OZ25140T	14.0-13.5	10.50
OZ25145T	14.5-14.0	12.40
OZ25150T	15.0-14.5	10.50
OZ25155T	15.5-15.0	12.40
OZ25158T	5/8"(15.87)	12.40
OZ25160T	16.0-15.5	10.50
OZ25165T	16.5-16.0	12.40
OZ25170T	17.0-16.5	10.50
OZ25175T	17.5-17.0	12.40
OZ25180T	18.0-17.5	10.50
OZ25185T	18.5-18.0	12.40
OZ25190T	19.0-18.5	10.50
OZ25191T	3/4"(19.05)	12.40
OZ25195T	19.5-19.0	12.40
OZ25200T	20.0-19.5	10.50
OZ25205T	20.5-20.0	12.40
OZ25210T	21.0-20.5	10.50
OZ25215T	21.5-21.0	12.40
OZ25220T	22.0-21.5	10.50
OZ25225T	22.5-22.0	12.40
OZ25230T	23.0-22.5	10.50
OZ25235T	23.5-23.0	12.40
OZ25240T	24.0-23.5	10.50
OZ25245T	24.5-24.0	12.40
OZ25250T	25.0-24.5	10.50
OZ25254T	1"(25.40)	12.40



DIN6388B-25 COLLET SETS DIN6388B-25 PENS TAKIMLARI

OZ25 COLLET SET	CLASS 2		CLASS 1		TOPAC (5 Micron)	
	CODE	EURO	CODE	EURO	CODE	EURO
CONTENT	OZ25SET2	195.00	OZ25SET1	224.00	OZ25SETT	272.00
24pcs DIN6388B-25 collets Ø2-25mm in 1mm increments in plastic case 24Ad. DIN6388B-25 pens Ø2-25mm arası 1 mm atlamalı plastik kutuda						