



SDG DAMPING SERIES

NO.2022-04

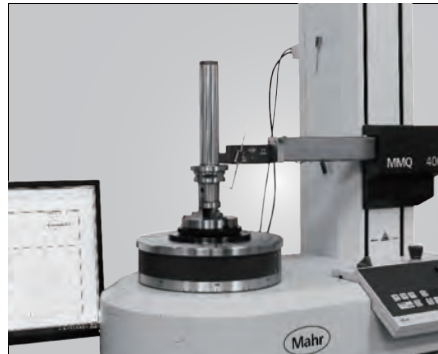


SDG *KPZ*
SILENT DAMPING GENIUS

www.syic.com



COMPANY INTRODUCTION





品質創造信譽 信譽保證品質

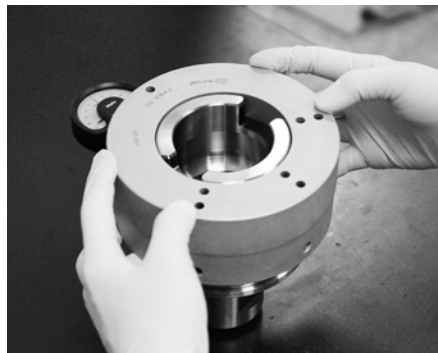
Quality creates reputation; reputation ensures quality.

About SYIC

Established in 1979, SYIC is a professional manufacturer of precise tool holders, cutting tools, angel heads, boring series and collets with more than 500 employees. The taper types of tool holders we manufacture include BT (MAS403), CAT (ANSI B5.50), DAT (DIN69871-A), HSK (DIN69893), PSC (ISO26623-1), VDI (DIN ISO10889) and straight shank holders.

SYIC is certified to ISO9001 and ISO14001. With contribution to the design, production and sale of high accuracy and inventive products, SYIC has over 300 pieces of patents worldwide. SYIC keeps investing in high-end equipment and measuring instruments from Japan and Europe to implement excellent quality control and manufacturing capability.

SYIC keeps the core value "Quality creates reputation; reputation ensures quality" to impress our customers, possessing professional technical skills to provide comprehensive solutions for customers, improving customers' machining efficiency, and enhancing the mutual competitiveness with customers. Based on the mission of "Excellent service, supreme quality," SYIC will continue to launch more high precision products to customers.



Tool Holders

Your reliable partner!

————— CNC turning, milling and grinding —————



www.syic.com

供需平衡 共榮共存

Maintain the balance of suppliers and customers and grow together.

未來之路 無限寬廣

Create a great future with infinite opportunities.

營運獲利 永續經營

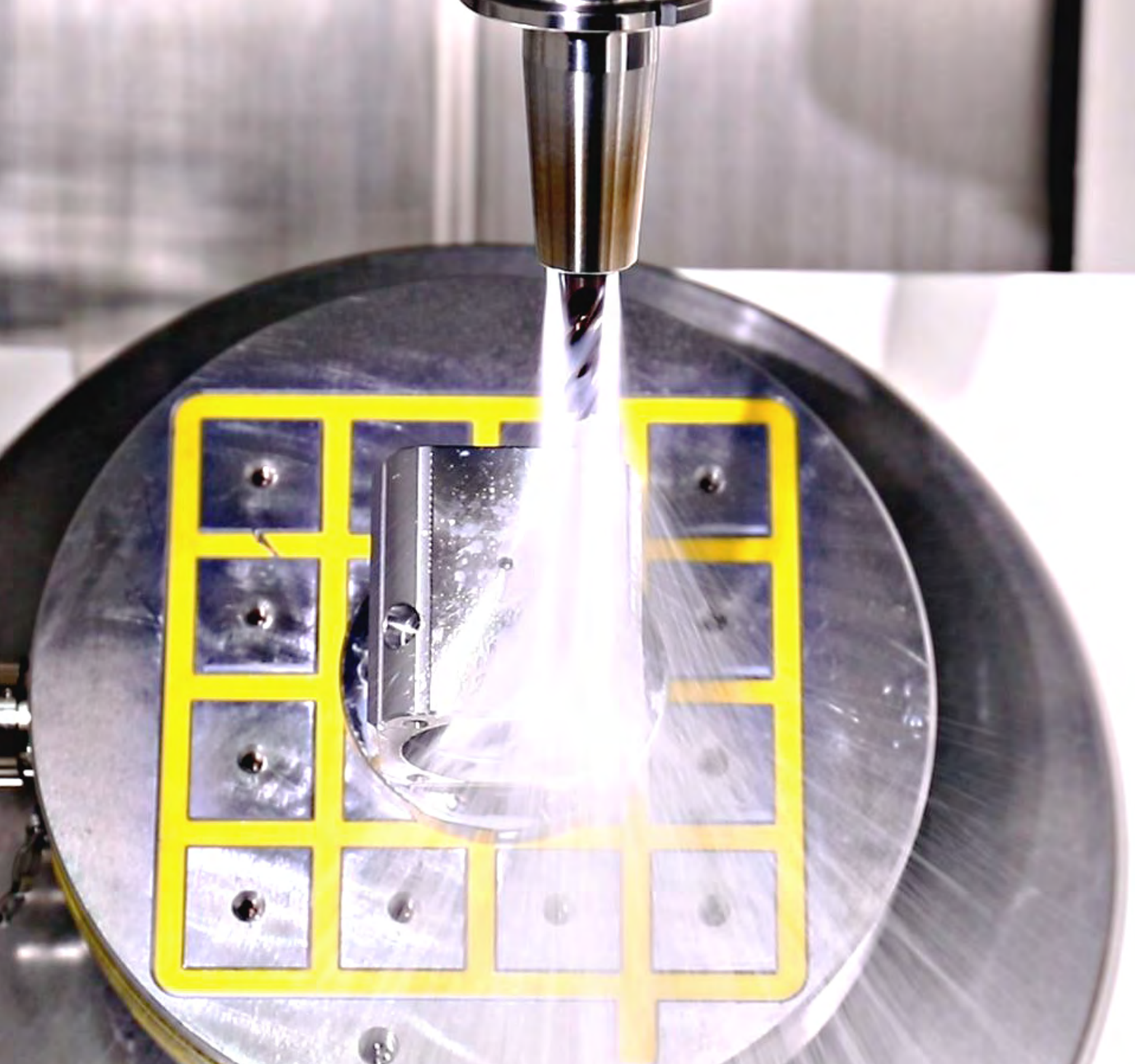
Run a profitable company with sustainable development.

合作到底 共創通贏

Keep everlasting cooperation and together create a win-win situation.

成就彼此 榮耀一切

Support each other and accomplish mutual success.



Innovation is our mission!

SYIC is committed to developing high precision products to optimize the machining process and offering professional technical service. With experienced technical professionals, our products are developed in response to different types of industries. We aim to achieve customers' demands from different industries including machining industry, mold and die industry, aerospace industry, automotive industry, and energy industry. We offer the most professional and technical service, effectively resolve your machining problems to create maximum production efficiency.

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FMH-SDG FACE MILL ARBOR

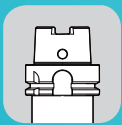


SDG *KPZ*
SILENT DAMPING GENIUS

The holder is designed with a built-in dynamic vibration absorber, which can effectively absorb radial and axial machining vibration to improve the surface finish of the workpiece, prolong tool life, maintain spindle accuracy, and optimize overall production efficiency.



SBT



HSK

Face Milling Cutter



KFMC 45°



SFMC 45°

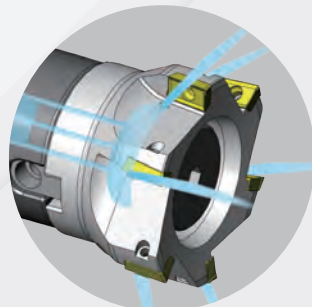


IFMC

► Cutter with coolant holes

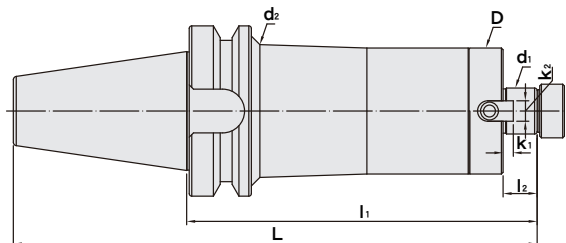


► Screw with coolant flutes



RBT / FMH-SDG FACE MILL ARBOR

RBT / FMH - SDG 法蘭加厚型寂靜抑震面銑刀桿



SDG
SILENT DAMPING GENIUS

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	k ₁	k ₂	WEIGHT (KGS)
401-026-150-160-150	RBT40-FMH16-150-D38-SDG	215.5	150	17	38	16	38	5	8	2.41
401-026-150-160-200	RBT40-FMH16-200-D38-SDG	265.4	200	17	38	16	38	5	8	2.81
401-026-150-160-250	RBT40-FMH16-250-D38-SDG	315.4	250	17	38	16	38	5	8	3.21
401-026-150-160-300	RBT40-FMH16-300-D38-SDG	365.4	300	17	38	16	38	5	8	3.58
401-026-150-221-150	RBT40-FMH22-150-D48-SDG	215.4	150	19	48	22	48	5	10	3.15
401-026-150-221-200	RBT40-FMH22-200-D48-SDG	265.4	200	19	48	22	48	5	10	3.75
401-026-150-221-250	RBT40-FMH22-250-D48-SDG	315.4	250	19	48	22	48	5	10	4.37
401-026-150-221-300	RBT40-FMH22-300-D48-SDG	365.4	300	19	48	22	48	5	10	4.96
401-027-150-160-200	RBT50-FMH16-200-D38-SDG	301.8	200	17	38	16	38	5	8	5.30
401-027-150-160-250	RBT50-FMH16-250-D38-SDG	351.8	250	17	38	16	38	5	8	5.70
401-027-150-160-300	RBT50-FMH16-300-D38-SDG	401.8	300	17	38	16	38	5	8	6.06
401-027-150-221-200	RBT50-FMH22-200-D48-SDG	301.8	200	19	48	22	63	5	10	6.18
401-027-150-221-250	RBT50-FMH22-250-D48-SDG	351.8	250	19	48	22	63	5	10	6.82
401-027-150-221-300	RBT50-FMH22-300-D48-SDG	401.8	300	19	48	22	63	5	10	7.46
401-027-150-221-350	RBT50-FMH22-350-D48-SDG	451.8	350	19	48	22	63	5	10	8.13
401-027-150-221-400	RBT50-FMH22-400-D48-SDG	501.8	400	19	48	22	63	5	10	8.72
401-027-150-222-250	RBT50-FMH22-250-D58-SDG	351.8	250	19	58	22	63	5	10	8.39
401-027-150-222-300	RBT50-FMH22-300-D58-SDG	401.8	300	19	58	22	63	5	10	9.29
401-027-150-222-350	RBT50-FMH22-350-D58-SDG	451.8	350	19	58	22	63	5	10	10.22
401-027-150-222-400	RBT50-FMH22-400-D58-SDG	501.8	400	19	58	22	63	5	10	11.12
401-027-150-222-450	RBT50-FMH22-450-D58-SDG	551.8	450	19	58	22	63	5	10	12.05
401-027-150-222-500	RBT50-FMH22-500-D58-SDG	601.8	500	19	58	22	63	5	10	12.98

Features:

- ▶ With configuration of hollow type tool body and dynamic vibration absorber, Silent Damping Genius "FMH-SDG Face Mill Arbor" can restrain the vibration from axial and radial directions efficiently.
- ▶ FMH-SDG Face Mill Arbor optimizes cutting speed, feed and improves workpiece surface finish, achieving high efficiency machining for long overhanging operations.



Reminder:

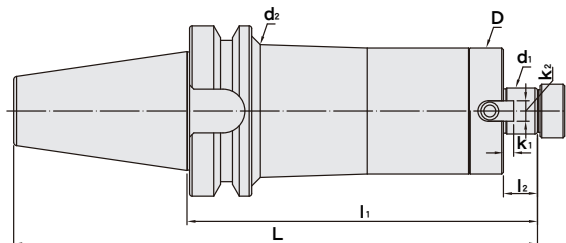
- ▶ The damping face mill arbor is designed to handle stepped milling operations instead of plunge milling.
 - ▶ Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.
- ▶ Please refer to the general catalog No.75 for further info. of standard face mill arbor.

Pull Stud	Screw	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.44~45	P.50	P.51	P.52



RBT / FMH-SDG FACE MILL ARBOR

RBT / FMH - SDG 法蘭加厚型寂靜抑震面銑刀桿



SDG
SILENT DAMPING GENIUS

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	k ₁	k ₂	WEIGHT (KGS)
401-027-150-272-250	RBT50-FMH27-250-D58-SDG	351.8	250	20	58	27	63	6	12	8.42
401-027-150-272-300	RBT50-FMH27-300-D58-SDG	401.8	300	20	58	27	63	6	12	9.35
401-027-150-272-350	RBT50-FMH27-350-D58-SDG	451.8	350	20	58	27	63	6	12	10.28
401-027-150-272-400	RBT50-FMH27-400-D58-SDG	501.8	400	20	58	27	63	6	12	11.18
401-027-150-272-450	RBT50-FMH27-450-D58-SDG	551.8	450	20	58	27	63	6	12	12.11
401-027-150-272-500	RBT50-FMH27-500-D58-SDG	601.8	500	20	58	27	63	6	12	13.04
401-027-150-273-250	RBT50-FMH27-250-D74-SDG	351.8	250	20	74	27	78	6	12	12.29
401-027-150-273-300	RBT50-FMH27-300-D74-SDG	401.8	300	20	74	27	78	6	12	13.22
401-027-150-273-350	RBT50-FMH27-350-D74-SDG	451.8	350	20	74	27	78	6	12	14.72
401-027-150-273-400	RBT50-FMH27-400-D74-SDG	501.8	400	20	74	27	78	6	12	16.20
401-027-150-273-450	RBT50-FMH27-450-D74-SDG	551.8	450	20	74	27	78	6	12	19.02
401-027-150-273-500	RBT50-FMH27-500-D74-SDG	601.8	500	20	74	27	78	6	12	20.52
401-027-150-273-550	RBT50-FMH27-550-D74-SDG	651.8	550	20	74	27	78	6	12	22.02
401-027-150-273-600	RBT50-FMH27-600-D74-SDG	701.8	600	20	74	27	78	6	12	23.72
401-027-150-323-250	RBT50-FMH32-250-D74-SDG	351.8	250	21	74	32	78	7	14	11.84
401-027-150-323-300	RBT50-FMH32-300-D74-SDG	401.8	300	21	74	32	78	7	14	13.34
401-027-150-323-350	RBT50-FMH32-350-D74-SDG	451.8	350	21	74	32	78	7	14	14.84
401-027-150-323-400	RBT50-FMH32-400-D74-SDG	501.8	400	21	74	32	78	7	14	16.32
401-027-150-323-450	RBT50-FMH32-450-D74-SDG	551.8	450	21	74	32	78	7	14	19.14
401-027-150-323-500	RBT50-FMH32-500-D74-SDG	601.8	500	21	74	32	78	7	14	20.64
401-027-150-323-550	RBT50-FMH32-550-D74-SDG	651.8	550	21	74	32	78	7	14	22.14
401-027-150-323-600	RBT50-FMH32-600-D74-SDG	701.8	600	21	74	32	78	7	14	23.84

Features:

- ▶ With configuration of hollow type tool body and dynamic vibration absorber, Silent Damping Genius "FMH-SDG Face Mill Arbor" can restrain the vibration from axial and radial directions efficiently.
- ▶ FMH-SDG Face Mill Arbor optimizes cutting speed, feed and improves workpiece surface finish, achieving high efficiency machining for long overhanging operations.



Reminder:

- ▶ The damping face mill arbor is designed to handle stepped milling operations instead of plunge milling.
 - ▶ Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.
- ▶ Please refer to the general catalog No.75 for further info. of standard face mill arbor.

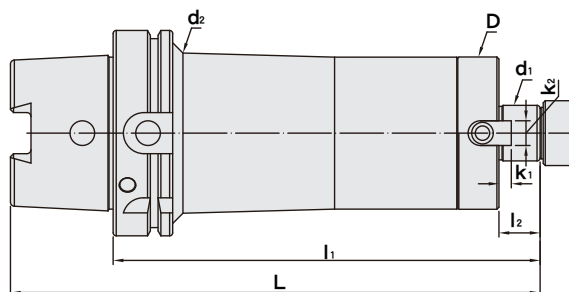
Pull Stud	Screw	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.44~45	P.50	P.51	P.52

HSK / FMH-SDG FACE MILL ARBOR

HSK / FMH - SDG 寂靜抑震面銑刀桿



SDG
SILENT DAMPING GENIUS



MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	k ₁	k ₂	WEIGHT (KGS)
401-073-150-160-150	HSK-A63-FMH16-150-D38-SDG	182	150	17	38	16	38	5	8	2.17
401-073-150-160-200	HSK-A63-FMH16-200-D38-SDG	232	200	17	38	16	38	5	8	2.56
401-073-150-160-250	HSK-A63-FMH16-250-D38-SDG	282	250	17	38	16	38	5	8	2.95
401-073-150-160-300	HSK-A63-FMH16-300-D38-SDG	332	300	17	38	16	38	5	8	3.33
401-073-150-221-150	HSK-A63-FMH22-150-D48-SDG	182	150	19	48	22	48	5	10	2.88
401-073-150-221-200	HSK-A63-FMH22-200-D48-SDG	232	200	19	48	22	48	5	10	3.49
401-073-150-221-250	HSK-A63-FMH22-250-D48-SDG	282	250	19	48	22	48	5	10	4.12
401-073-150-221-300	HSK-A63-FMH22-300-D48-SDG	332	300	19	48	22	48	5	10	4.71
401-073-150-222-250	HSK-A63-FMH22-250-D58-SDG	282	250	19	58	22	58	5	10	5.47
401-073-150-222-300	HSK-A63-FMH22-300-D58-SDG	332	300	19	58	22	58	5	10	6.39
401-073-150-222-350	HSK-A63-FMH22-350-D58-SDG	382	350	19	58	22	58	5	10	7.34
401-075-150-160-200	HSK-A100-FMH16-200-D38-SDG	250	200	17	38	16	38	5	8	3.88
401-075-150-160-250	HSK-A100-FMH16-250-D38-SDG	300	250	17	38	16	38	5	8	4.27
401-075-150-160-300	HSK-A100-FMH16-300-D38-SDG	350	300	17	38	16	38	5	8	4.63
401-075-150-221-200	HSK-A100-FMH22-200-D48-SDG	250	200	19	48	22	48	5	10	4.75
401-075-150-221-250	HSK-A100-FMH22-250-D48-SDG	300	250	19	48	22	48	5	10	5.39
401-075-150-221-300	HSK-A100-FMH22-300-D48-SDG	350	300	19	48	22	48	5	10	6.03
401-075-150-221-350	HSK-A100-FMH22-350-D48-SDG	400	350	19	48	22	48	5	10	6.70
401-075-150-221-400	HSK-A100-FMH22-400-D48-SDG	450	400	19	48	22	48	5	10	7.65
401-075-150-222-250	HSK-A100-FMH22-250-D58-SDG	300	250	19	58	22	61	5	10	6.96
401-075-150-222-300	HSK-A100-FMH22-300-D58-SDG	350	300	19	58	22	61	5	10	7.86
401-075-150-222-350	HSK-A100-FMH22-350-D58-SDG	400	350	19	58	22	61	5	10	8.79
401-075-150-222-400	HSK-A100-FMH22-400-D58-SDG	450	400	19	58	22	61	5	10	10.31
401-075-150-222-450	HSK-A100-FMH22-450-D58-SDG	500	450	19	58	22	61	5	10	11.24
401-075-150-222-500	HSK-A100-FMH22-500-D58-SDG	550	500	19	58	22	61	5	10	12.17




Features:

- ▶ With configuration of hollow type tool body and dynamic vibration absorber, Silent Damping Genius "FMH-SDG Face Mill Arbor" can restrain the vibration from axial and radial directions efficiently.
- ▶ FMH-SDG Face Mill Arbor optimizes cutting speed, feed and improves workpiece surface finish, achieving high efficiency machining for long overhanging operations.



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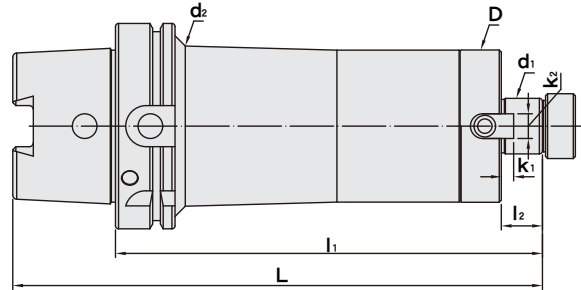
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 - ▶ Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.
- ▶ Please refer to the general catalog No.75 for further info. of standard face mill arbor.

Coolant Supply Unit	Key	Screw
 P.49	 P.49	 P.50



HSK / FMH-SDG FACE MILL ARBOR

HSK / FMH - SDG 寂靜抑震面銑刀桿



SDG *KDG*
SILENT DAMPING GENIUS

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	k ₁	k ₂	WEIGHT (KGS)
401-075-150-272-250	HSK-A100-FMH27-250-D58-SDG	300	250	20	58	27	61	6	12	6.99
401-075-150-272-300	HSK-A100-FMH27-300-D58-SDG	350	300	20	58	27	61	6	12	7.92
401-075-150-272-350	HSK-A100-FMH27-350-D58-SDG	400	350	20	58	27	61	6	12	8.85
401-075-150-272-400	HSK-A100-FMH27-400-D58-SDG	450	400	20	58	27	61	6	12	10.37
401-075-150-272-450	HSK-A100-FMH27-450-D58-SDG	500	450	20	58	27	61	6	12	11.30
401-075-150-272-500	HSK-A100-FMH27-500-D58-SDG	550	500	20	58	27	61	6	12	12.23
401-075-150-273-250	HSK-A100-FMH27-250-D74-SDG	300	250	20	74	27	78	6	12	10.86
401-075-150-273-300	HSK-A100-FMH27-300-D74-SDG	350	300	20	74	27	78	6	12	11.79
401-075-150-273-350	HSK-A100-FMH27-350-D74-SDG	400	350	20	74	27	78	6	12	13.29
401-075-150-273-400	HSK-A100-FMH27-400-D74-SDG	450	400	20	74	27	78	6	12	14.77
401-075-150-273-450	HSK-A100-FMH27-450-D74-SDG	500	450	20	74	27	78	6	12	17.59
401-075-150-273-500	HSK-A100-FMH27-500-D74-SDG	550	500	20	74	27	78	6	12	19.09
401-075-150-273-550	HSK-A100-FMH27-550-D74-SDG	600	550	20	74	27	78	6	12	20.62
401-075-150-273-600	HSK-A100-FMH27-600-D74-SDG	650	600	20	74	27	78	6	12	22.29
401-075-150-323-250	HSK-A100-FMH32-250-D74-SDG	300	250	21	74	32	78	7	14	10.41
401-075-150-323-300	HSK-A100-FMH32-300-D74-SDG	350	300	21	74	32	78	7	14	11.91
401-075-150-323-350	HSK-A100-FMH32-350-D74-SDG	400	350	21	74	32	78	7	14	13.41
401-075-150-323-400	HSK-A100-FMH32-400-D74-SDG	450	400	21	74	32	78	7	14	14.89
401-075-150-323-450	HSK-A100-FMH32-450-D74-SDG	500	450	21	74	32	78	7	14	17.71
401-075-150-323-500	HSK-A100-FMH32-500-D74-SDG	550	500	21	74	32	78	7	14	19.21
401-075-150-323-550	HSK-A100-FMH32-550-D74-SDG	600	550	21	74	32	78	7	14	20.71
401-075-150-323-600	HSK-A100-FMH32-600-D74-SDG	650	600	21	74	32	78	7	14	22.41



Features:

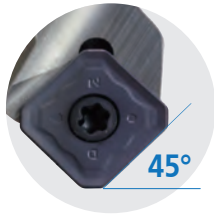
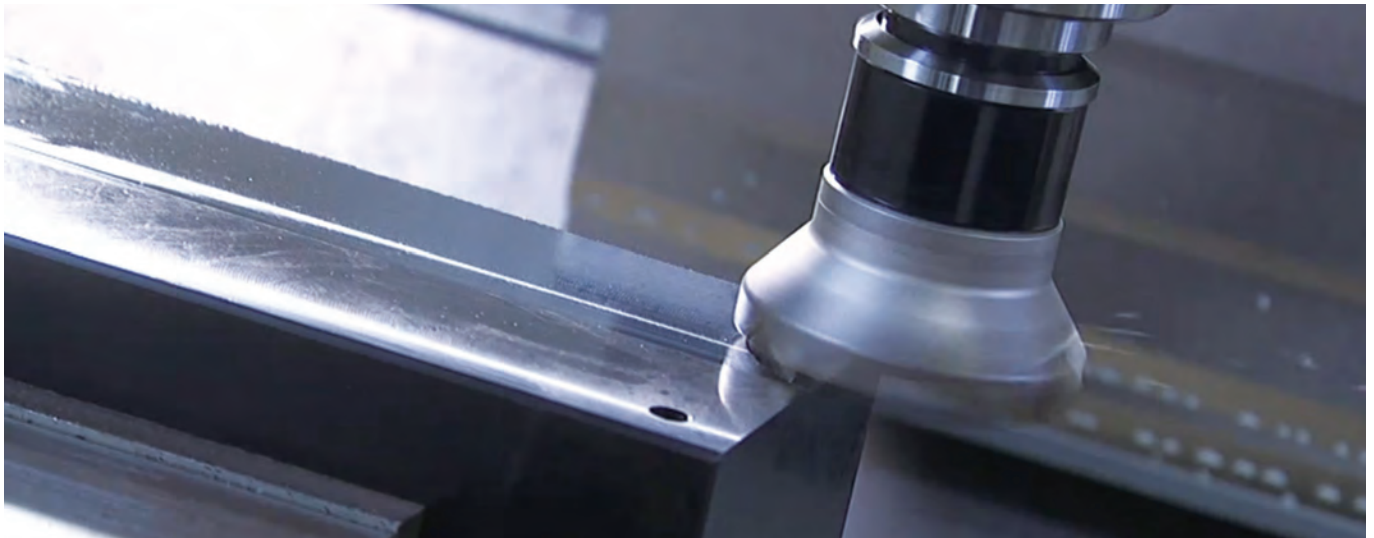
- ▶ With configuration of hollow type tool body and dynamic vibration absorber, Silent Damping Genius "FMH-SDG Face Mill Arbor" can restrain the vibration from axial and radial directions efficiently.
- ▶ FMH-SDG Face Mill Arbor optimizes cutting speed, feed and improves workpiece surface finish, achieving high efficiency machining for long overhanging operations.



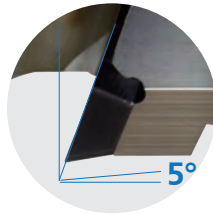
Reminder:

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 - ▶ Internal coolant fluid or air should be applied during continuous operation to keep the machining temperature to be within 120°C.
- ▶ Please refer to the general catalog No.75 for further info. of standard face mill arbor.

Coolant Supply Unit	Key	Screw
 P.49	 P.49	 P.50



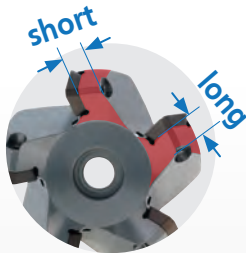
- ▶ Low cutting resistance because of the design of high rake and double positive angle.



- ▶ Good sharpness because of the design of AR+20°, R.R.+5° for insert tip.



- ▶ After heat treatment, the connection between insert and insert seat is more closely-contacted, having high hardness, good toughness with good effect of vibration resistance and superior precision.



- ▶ Smooth cutting, low noises and reduced wear rate of inserts are provided because of the design of differential pitch.



- ▶ Suitable for big table feed cutting because of the design of larger metal removal space.



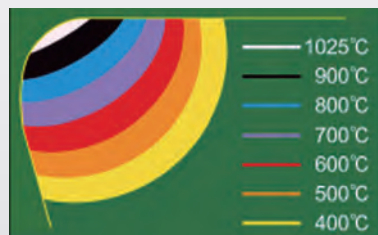
- ▶ The design of coolant holes extends the use life of inserts and is good for metal chips removal and heat dissipation.

- ▶ Different designs of the teeth have different specialities and functions, which help customers with different manufacturing solutions.
- ▶ It's made of high alloy factor Cr. After special treatment, the body is not easy to get rusty and has good durability.

Comparison Chart of Color Temperature

Cutter with coolant holes design:

Cutter without coolant holes design:



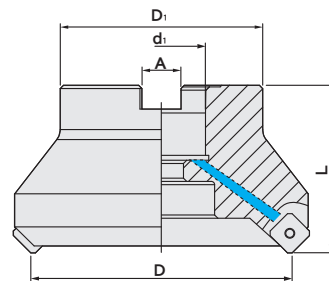
What superiorities are there to use cutter with coolant holes?

Please refer to the left charts.

- ▶ Extending the use life of inserts by 40%.
- ▶ Reducing the cost of cutters.
- ▶ Improving the productivity.
- ▶ Decreasing the surface roughness. Good cooling fluid can reduce the heat of insert tips.

KFMC 45° FACE MILLING CUTTER

KFMC 45° 殼型銑刀

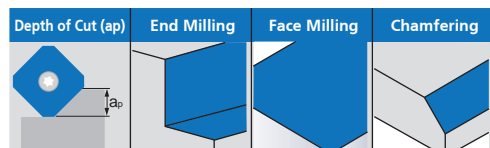


METRIC

MODEL NO.	TYPE	D	D ₁	d ₁	L	A	a _p max.	TEETH	INSERT
5154-408-021-04	KFMC45 - 40 - 22	40	40	22	40	10.4	6	4	SE..1204
5154-408-022-04	KFMC45 - 50 - 22	50	48	22	40	10.4	6	4	SE..1204
5154-408-022-05	KFMC45 - 50 - 22 - 5T	50	48	22	40	10.4	6	5	SE..1204
5154-408-023-05	KFMC45 - 63 - 22	63	48	22	40	10.4	6	5	SE..1204
5154-408-034-06	KFMC45 - 80 - 27	80	62	27	50	12.4	6	6	SE..1204
5154-408-045-07	KFMC45 - 100 - 32	100	78	32	50	14.4	6	7	SE..1204

ACCESSORIES

INSERT	INSERT SCREW	WRENCH
SE..1204	M5-11-7.0-55	T20

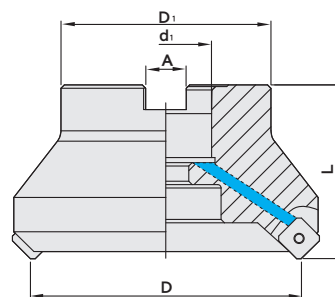


Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

SFMC 45° FACE MILLING CUTTER

SFMC 45° 殼型銑刀

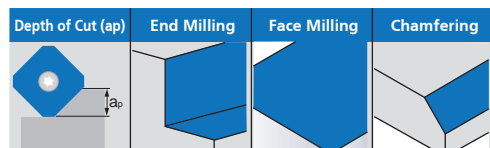


METRIC

MODEL NO.	TYPE	D	D ₁	d ₁	L	A	a _p max.	TEETH	INSERT
5154-661-021-03	SFMC45 - 40 - 22	40	40	22	40	10.4	6	3	SE..12T3
5154-661-021-04	SFMC45 - 40 - 22 - 4T	40	40	22	40	10.4	6	4	SE..12T3
5154-661-022-05	SFMC45 - 50 - 22	50	48	22	40	10.4	6	5	SE..12T3
5154-661-023-05	SFMC45 - 63 - 22	63	48	22	40	10.4	6	5	SE..12T3
5154-661-034-06	SFMC45 - 80 - 27	80	62	27	50	12.4	6	6	SE..12T3
5154-661-045-07	SFMC45 - 100 - 32	100	78	32	50	14.4	6	7	SE..12T3

ACCESSORIES

INSERT	INSERT SCREW	WRENCH
SE..12T3	M3.5-10-5.5-55	T15



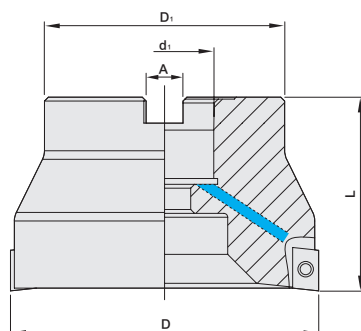
Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.



IFMC SQUARE SHOULDER MILLING CUTTER

IFMC 直角殼型銑刀

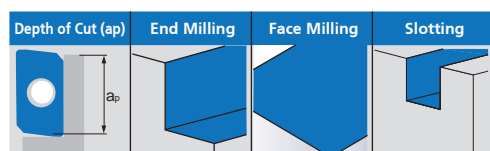


METRIC

MODEL NO.	TYPE	D	D ₁	d ₁	L	A	a _p max.	TEETH	INSERT
5154-240-022-07	IFMC90 - 50 - 22 - AP10	50	40	22	40	10.4	16	7	AP..1003
5154-240-023-09	IFMC90 - 63 - 22 - AP10	63	48	22	40	10.4	16	9	AP..1003
5154-240-034-11	IFMC90 - 80 - 27 - AP10	80	62	27	50	12.4	16	11	AP..1003
5154-240-045-13	IFMC90 - 100 - 32 - AP10	100	78	32	50	14.4	16	13	AP..1003
5154-242-022-05	IFMC90 - 50 - 22	50	45	22	40	10.4	16	5	AP..1604
5154-242-023-05	IFMC90 - 63 - 22	63	48	22	40	10.4	16	5	AP..1604
5154-242-034-06	IFMC90 - 80 - 27	80	62	27	50	12.4	16	6	AP..1604
5154-242-045-07	IFMC90 - 100 - 32	100	78	32	50	14.4	16	7	AP..1604

ACCESSORIES

INSERT	INSERT SCREW	WRENCH
AP..1003	M2.5-6.45-3.7-43	T8
AP..1604	M4-10-5.7-60	T15

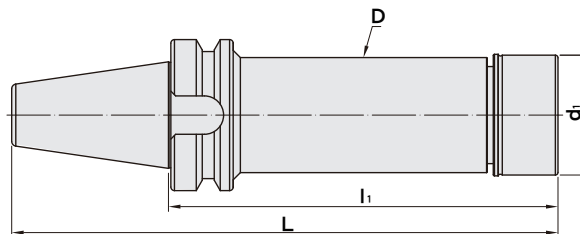


Product information:

- ▶ Inserts are optional accessories. Needs to be purchased additionally.

RBT / SPRO - SDG COLLET CHUCK

RBT / SPRO - SDG 法蘭加厚型寂靜抑震筒夾式刀桿



MODEL NO.	TYPE	L	l ₁	D	d ₁	SIZE RANGE	WEIGHT (KGS)
401-026-S01-250-180	RBT40-SPRO25-180-D38-SDG	245.4	180	38	42	1 ~ 16	2.08
401-026-S01-250-230	RBT40-SPRO25-230-D38-SDG	295.4	230	38	42	1 ~ 16	2.48
401-026-S01-250-280	RBT40-SPRO25-280-D38-SDG	345.4	280	38	42	1 ~ 16	2.88
401-026-S01-250-330	RBT40-SPRO25-330-D38-SDG	395.4	330	38	42	1 ~ 16	3.26
401-026-S01-321-180	RBT40-SPRO32-180-D48-SDG	245.4	180	48	50	2 ~ 20	2.95
401-026-S01-321-230	RBT40-SPRO32-230-D48-SDG	295.4	230	48	50	2 ~ 20	3.55
401-026-S01-321-280	RBT40-SPRO32-280-D48-SDG	345.4	280	48	50	2 ~ 20	4.18
401-026-S01-321-330	RBT40-SPRO32-330-D48-SDG	395.4	330	48	50	2 ~ 20	4.78
401-027-S01-250-230	RBT50-SPRO25-230-D38-SDG	331.8	230	38	42	1 ~ 16	4.97
401-027-S01-250-280	RBT50-SPRO25-280-D38-SDG	381.8	280	38	42	1 ~ 16	5.37
401-027-S01-250-330	RBT50-SPRO25-330-D38-SDG	431.8	330	38	42	1 ~ 16	5.73
401-027-S01-321-230	RBT50-SPRO32-230-D48-SDG	331.8	230	48	50	2 ~ 20	5.98
401-027-S01-321-280	RBT50-SPRO32-280-D48-SDG	381.8	280	48	50	2 ~ 20	6.62
401-027-S01-321-330	RBT50-SPRO32-330-D48-SDG	431.8	330	48	50	2 ~ 20	7.28
401-027-S01-321-380	RBT50-SPRO32-380-D48-SDG	481.8	380	48	50	2 ~ 20	7.93
401-027-S01-321-430	RBT50-SPRO32-430-D48-SDG	531.8	430	48	50	2 ~ 20	8.78
401-027-S01-402-280	RBT50-SPRO40-280-D58-SDG	381.8	280	58	63	3 ~ 26	7.93
401-027-S01-402-330	RBT50-SPRO40-330-D58-SDG	431.8	330	58	63	3 ~ 26	8.83
401-027-S01-402-380	RBT50-SPRO40-380-D58-SDG	481.8	380	58	63	3 ~ 26	9.76
401-027-S01-402-430	RBT50-SPRO40-430-D58-SDG	531.8	430	58	63	3 ~ 26	10.66
401-027-S01-402-480	RBT50-SPRO40-480-D58-SDG	581.8	480	58	63	3 ~ 26	11.59
401-027-S01-402-530	RBT50-SPRO40-530-D58-SDG	631.8	530	58	63	3 ~ 26	12.52

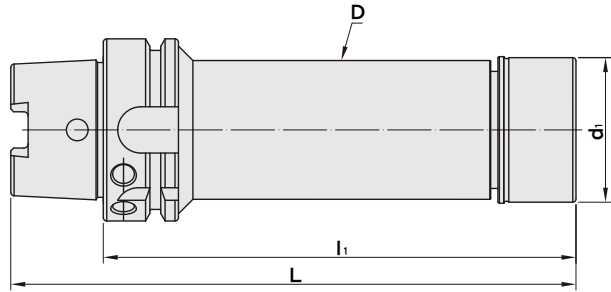
Standard Accessory: • NUT

Collet	Nut	Pull Stud	Spanner	Torque Wrench Adapter (Pull Stud)	Spanner (Pull Stud)
P.20~43	P.46	P.44~45	P.46~48	P.51	P.52



HSK / SPRO - SDG COLLET CHUCK

HSK / SPRO - SDG 寂靜抑震筒夾式刀桿



MODEL NO.	TYPE	L	l ₁	D	d ₁	SIZE RANGE	WEIGHT (KGS)
401-073-S01-250-180	HSK-A63-SPRO25-180-D38-SDG	212	180	38	42	1 ~ 16	1.84
401-073-S01-250-230	HSK-A63-SPRO25-230-D38-SDG	262	230	38	42	1 ~ 16	2.24
401-073-S01-250-280	HSK-A63-SPRO25-280-D38-SDG	312	280	38	42	1 ~ 16	2.64
401-073-S01-250-330	HSK-A63-SPRO25-330-D38-SDG	362	330	38	42	1 ~ 16	3.01
401-073-S01-321-180	HSK-A63-SPRO32-180-D48-SDG	212	180	48	50	2 ~ 20	2.63
401-073-S01-321-230	HSK-A63-SPRO32-230-D48-SDG	262	230	48	50	2 ~ 20	3.23
401-073-S01-321-280	HSK-A63-SPRO32-280-D48-SDG	312	280	48	50	2 ~ 20	3.85
401-073-S01-321-330	HSK-A63-SPRO32-330-D48-SDG	362	330	48	50	2 ~ 20	4.47
401-075-S01-250-230	HSK-A100-SPRO25-230-D38-SDG	280	230	38	42	1 ~ 16	3.65
401-075-S01-250-280	HSK-A100-SPRO25-280-D38-SDG	330	280	38	42	1 ~ 16	4.05
401-075-S01-250-330	HSK-A100-SPRO25-330-D38-SDG	380	330	38	42	1 ~ 16	4.41
401-075-S01-321-230	HSK-A100-SPRO32-230-D48-SDG	280	230	48	50	2 ~ 20	4.61
401-075-S01-321-280	HSK-A100-SPRO32-280-D48-SDG	330	280	48	50	2 ~ 20	5.25
401-075-S01-321-330	HSK-A100-SPRO32-330-D48-SDG	380	330	48	50	2 ~ 20	5.88
401-075-S01-321-380	HSK-A100-SPRO32-380-D48-SDG	430	380	48	50	2 ~ 20	6.48
401-075-S01-321-430	HSK-A100-SPRO32-430-D48-SDG	480	430	48	50	2 ~ 20	7.15
401-075-S01-402-280	HSK-A100-SPRO40-280-D58-SDG	330	280	58	63	3 ~ 26	6.50
401-075-S01-402-330	HSK-A100-SPRO40-330-D58-SDG	380	330	58	63	3 ~ 26	7.40
401-075-S01-402-380	HSK-A100-SPRO40-380-D58-SDG	430	380	58	63	3 ~ 26	8.33
401-075-S01-402-430	HSK-A100-SPRO40-430-D58-SDG	480	430	58	63	3 ~ 26	9.23
401-075-S01-402-480	HSK-A100-SPRO40-480-D58-SDG	530	480	58	63	3 ~ 26	10.16
401-075-S01-402-530	HSK-A100-SPRO40-530-D58-SDG	580	530	58	63	3 ~ 26	11.09

Standard Accessory: • NUT







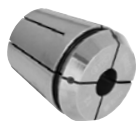






Collet	Nut	Coolant Supply Unit	Key	Spanner
P.20~43	P.46	P.49	P.49	P.46~48



SYIC ER COLLET SERIES

SYIC ER 筒夾系列

(DIN ISO 15488)

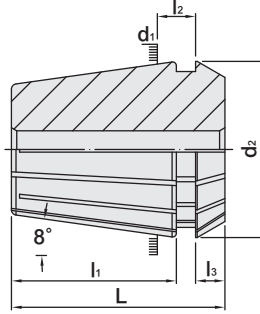
FEATURES	ER COLLET	ER-E COLLET	ER-ES STEEL SEALED COLLET	ERS METALLIC SEALED COLLET	ERS COOLANT COLLET (FID TYPE)	ERS COOLANT COLLET (FOD TYPE)
						
Runout accuracy	15µm	●	●			
	10µm	●		●	●	●
	R 7µm		●	●	●	●
	UP 5µm	●	●	●	●	●
	P 3µm		●		●	●
Clamping range	0.5mm~2mm	N/A	N/A	N/A	N/A	N/A
Coolant pressure resistance	N/A	N/A	150 kgf/cm ²	150 kgf/cm ²	150 kgf/cm ²	150 kgf/cm ²
Coolant through	N/A	N/A	through tools	through tools	through collet flutes	through collet holes
Catalogue page	P.20~22	P.23	P.24~25	P.26~27	P.28~29	P.30~31
FEATURES	ER-EO SEALED COLLET	ER COOLANT COLLET (FID TYPE)	ER COOLANT COLLET (FOD TYPE)	ER-TC RIGID TAP COLLET	ER-TC RIGID TAP SEALED COLLET	ER-TC RIGID TAP COOLANT COLLET (FOD TYPE)
						
Runout accuracy	15µm	●	●			
	10µm	●	●			
	R 7µm				-	-
	UP 5µm	●	●	●		
	P 3µm					
Clamping range	N/A	N/A	N/A	N/A	N/A	N/A
Coolant pressure resistance	50 kgf/cm ²	50 kgf/cm ²	50 kgf/cm ²	N/A	150 kgf/cm ²	150 kgf/cm ²
Coolant through	through tools	through collet flutes	through collet holes	N/A	through tools	through collet holes
Catalogue page	P.32	P.33	P.34	P.35~40	P.41	P.42
FEATURES	ER FLOATING TAP COLLET					
						
Runout accuracy	15µm					
	10µm					
	R 7µm	-				
	UP 5µm					
	P 3µm					
Clamping range	N/A					
Coolant pressure resistance	N/A					
Coolant through	N/A					
Catalogue page	P.43					



ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



TW PAT NO. M261313
 TW PAT NO. M266126
 J P PAT NO. 3108255
 J P PAT NO. 3108254

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	11	11.5	18	13.5	3.8	2.5	0.01
ER16	16	17	27.5	20.8	6.26	4	0.03
ER20	20	21	31.5	23.9	6.36	4.8	0.04
ER25	25	26	34	25.9	6.66	5	0.06
ER32	32	33	40	30.9	7.16	5.5	0.10
ER40	40	41	46	34.9	7.66	7	0.25
ER50	50	51.85	60	46	12.6	8.5	0.45

ER8		ER11		ER16		ER20	
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-122-008-001	1 - 0.5	5250-122-011-001	1 - 0.5	5250-122-016-001	1 - 0.5	5250-122-020-001	1 - 0.5
5250-122-008-001.5	1.5 - 1	5250-122-011-001.5	1.5 - 1	5250-122-016-001.5	1.5 - 1	5250-122-020-001.5	1.5 - 1
5250-122-008-002	2 - 1.5	5250-122-011-002	2 - 1.5	5250-122-016-002	2 - 1.5	5250-122-020-002	2 - 1.5
5250-122-008-002.5	2.5 - 2	5250-122-011-002.5	2.5 - 2	5250-122-016-002.5	2.5 - 2	5250-122-020-002.5	2.5 - 2
5250-122-008-003	3 - 2.5	5250-122-011-003	3 - 2.5	5250-122-016-003	3 - 2	5250-122-020-003	3 - 2
5250-122-008-003.5	3.5 - 3	5250-122-011-003.5	3.5 - 3	5250-122-016-003.5	3.5 - 2.5	5250-122-020-003.5	3.5 - 2.5
5250-122-008-004	4 - 3.5	5250-122-011-004	4 - 3.5	5250-122-016-004	4 - 3	5250-122-020-004	4 - 3
5250-122-008-004.5	4.5 - 4	5250-122-011-004.5	4.5 - 4	5250-122-016-004.5	4.5 - 3.5	5250-122-020-004.5	4.5 - 3.5
5250-122-008-005	5 - 4.5	5250-122-011-005	5 - 4.5	5250-122-016-005	5 - 4	5250-122-020-005	5 - 4
INCHES		5250-122-011-005.5	5.5 - 5	5250-122-016-005.5	5.5 - 4.5	5250-122-020-005.5	5.5 - 4.5
5250-122-008-A04	0.043 - 0.062	5250-122-011-006	6 - 5.5	5250-122-016-006	6 - 5	5250-122-020-006	6 - 5
5250-122-008-A08	0.086 - 0.125	5250-122-011-006.5	6.5 - 6	5250-122-016-006.5	6.5 - 5.5	5250-122-020-006.5	6.5 - 5.5
5250-122-008-A12	0.148 - 0.187	5250-122-011-007	7 - 6.5	5250-122-016-007	7 - 6	5250-122-020-007	7 - 6
		INCHES		5250-122-016-007.5	7.5 - 6.5	5250-122-020-007.5	7.5 - 6.5
		5250-122-011-A04	0.043 - 0.062	5250-122-016-008	8 - 7	5250-122-020-008	8 - 7
		5250-122-011-A06	0.054 - 0.093	5250-122-016-008.5	8.5 - 7.5	5250-122-020-008.5	8.5 - 7.5
		5250-122-011-A08	0.086 - 0.125	5250-122-016-009	9 - 8	5250-122-020-009	9 - 8
		5250-122-011-A10	0.117 - 0.156	5250-122-016-009.5	9.5 - 8.5	5250-122-020-009.5	9.5 - 8.5
		5250-122-011-A12	0.148 - 0.187	5250-122-016-010	10 - 9	5250-122-020-010	10 - 9
		5250-122-011-A14	0.179~0.218	INCHES		5250-122-020-010.5	10.5 - 9.5
		5250-122-011-A16	0.211~0.25	5250-122-016-A04	0.043 - 0.062	5250-122-020-011	11 - 10
				5250-122-016-A06	0.054 - 0.093	5250-122-020-011.5	11.5 - 10.5
				5250-122-016-A08	0.086 - 0.125	5250-122-020-012	12 - 11
				5250-122-016-A10	0.117 - 0.156	5250-122-020-012.5	12.5 - 11.5
				5250-122-016-A12	0.148 - 0.187	5250-122-020-013	13 - 12
				5250-122-016-A14	0.179 - 0.218	INCHES	
				5250-122-016-A16	0.211 - 0.25	5250-122-020-A04	0.043 - 0.062
				5250-122-016-A18	0.242 - 0.281	5250-122-020-A06	0.054 - 0.093
				5250-122-016-A20	0.273 - 0.312	5250-122-020-A08	0.086 - 0.125
				5250-122-016-A22	0.304 - 0.343	5250-122-020-A10	0.117 - 0.156
				5250-122-016-A24	0.336 - 0.375	5250-122-020-A12	0.148 - 0.187
				5250-122-016-A26	0.367 - 0.406	5250-122-020-A14	0.179 - 0.218
						5250-122-020-A16	0.211 - 0.25
						5250-122-020-A18	0.242 - 0.281
						5250-122-020-A20	0.273 - 0.312
						5250-122-020-A22	0.304 - 0.343
						5250-122-020-A24	0.336 - 0.375
						5250-122-020-A26	0.367 - 0.406
						5250-122-020-A28	0.398 - 0.437
						5250-122-020-A30	0.429 - 0.468
						5250-122-020-A32	0.461 - 0.5

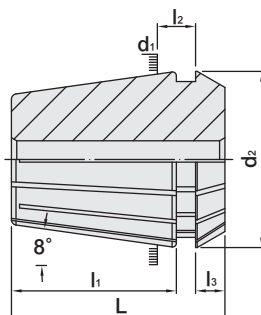
Features:

- ▶ Runout accuracy: 15µm, A class 10µm, UP class 5µm. Please indicate the runout accuracy needed when placing an order.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID ≥ 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID ≤ 10mm).
- ▶ Surface roughness: Ra < 0.25µm, A class Ra < 0.15µm, UP class Ra < 0.1µm.
- ▶ Used for drills, taps, mills and reamers, etc.

ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



TW PAT NO. M261313
TW PAT NO. M266126
J P PAT NO. 3108255
J P PAT NO. 3108254

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	11	11.5	18	13.5	3.8	2.5	0.01
ER16	16	17	27.5	20.8	6.26	4	0.03
ER20	20	21	31.5	23.9	6.36	4.8	0.04
ER25	25	26	34	25.9	6.66	5	0.06
ER32	32	33	40	30.9	7.16	5.5	0.10
ER40	40	41	46	34.9	7.66	7	0.25
ER50	50	51.85	60	46	12.6	8.5	0.45

ER25			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-122-025-001	1 - 0.5	5250-122-025-009	9 - 8
5250-122-025-001.5	1.5 - 1	5250-122-025-009.5	9.5 - 8.5
5250-122-025-002	2 - 1.5	5250-122-025-010	10 - 9
5250-122-025-002.5	2.5 - 2	5250-122-025-010.5	10.5 - 9.5
5250-122-025-003	3 - 2	5250-122-025-011	11 - 10
5250-122-025-003.5	3.5 - 2.5	5250-122-025-011.5	11.5 - 10.5
5250-122-025-004	4 - 3	5250-122-025-012	12 - 11
5250-122-025-004.5	4.5 - 3.5	5250-122-025-012.5	12.5 - 11.5
5250-122-025-005	5 - 4	5250-122-025-013	13 - 12
5250-122-025-005.5	5.5 - 4.5	5250-122-025-013.5	13.5 - 12.5
5250-122-025-006	6 - 5	5250-122-025-014	14 - 13
5250-122-025-006.5	6.5 - 5.5	5250-122-025-014.5	14.5 - 13.5
5250-122-025-007	7 - 6	5250-122-025-015	15 - 14
5250-122-025-007.5	7.5 - 6.5	5250-122-025-015.5	15.5 - 14.5
5250-122-025-008	8 - 7	5250-122-025-016	16 - 15
5250-122-025-008.5	8.5 - 7.5		

INCHES

5250-122-025-A06	0.054 - 0.093	5250-122-025-A24	0.336 - 0.375
5250-122-025-A08	0.086 - 0.125	5250-122-025-A26	0.367 - 0.406
5250-122-025-A10	0.117 - 0.156	5250-122-025-A28	0.398 - 0.437
5250-122-025-A12	0.148 - 0.187	5250-122-025-A30	0.429 - 0.468
5250-122-025-A14	0.179 - 0.218	5250-122-025-A32	0.461 - 0.5
5250-122-025-A16	0.211 - 0.250	5250-122-025-A34	0.492 - 0.531
5250-122-025-A18	0.242 - 0.281	5250-122-025-A36	0.523 - 0.562
5250-122-025-A20	0.273 - 0.312	5250-122-025-A38	0.554 - 0.593
5250-122-025-A22	0.304 - 0.343	5250-122-025-A40	0.586 - 0.625

ER32			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-122-032-002	2 - 1.5	5250-122-032-011.5	11.5 - 10.5
5250-122-032-002.5	2.5 - 2	5250-122-032-012	12 - 11
5250-122-032-003	3 - 2	5250-122-032-012.5	12.5 - 11.5
5250-122-032-003.5	3.5 - 2.5	5250-122-032-013	13 - 12
5250-122-032-004	4 - 3	5250-122-032-013.5	13.5 - 12.5
5250-122-032-004.5	4.5 - 3.5	5250-122-032-014	14 - 13
5250-122-032-005	5 - 4	5250-122-032-014.5	14.5 - 13.5
5250-122-032-005.5	5.5 - 4.5	5250-122-032-015	15 - 14
5250-122-032-006	6 - 5	5250-122-032-015.5	15.5 - 14.5
5250-122-032-006.5	6.5 - 5.5	5250-122-032-016	16 - 15
5250-122-032-007	7 - 6	5250-122-032-016.5	16.5 - 15.5
5250-122-032-007.5	7.5 - 6.5	5250-122-032-017	17 - 16
5250-122-032-008	8 - 7	5250-122-032-017.5	17.5 - 16.5
5250-122-032-008.5	8.5 - 7.5	5250-122-032-018	18 - 17
5250-122-032-009	9 - 8	5250-122-032-018.5	18.5 - 17.5
5250-122-032-009.5	9.5 - 8.5	5250-122-032-019	19 - 18
5250-122-032-010	10 - 9	5250-122-032-019.5	19.5 - 18.5
5250-122-032-010.5	10.5 - 9.5	5250-122-032-020	20 - 19
5250-122-032-011	11 - 10		

INCHES

5250-122-032-A04	0.043 - 0.062	5250-122-032-A28	0.398 - 0.437
5250-122-032-A06	0.054 - 0.093	5250-122-032-A30	0.429 - 0.468
5250-122-032-A08	0.086 - 0.125	5250-122-032-A32	0.461 - 0.5
5250-122-032-A10	0.117 - 0.156	5250-122-032-A34	0.492 - 0.531
5250-122-032-A12	0.148 - 0.187	5250-122-032-A36	0.523 - 0.562
5250-122-032-A14	0.179 - 0.218	5250-122-032-A38	0.554 - 0.593
5250-122-032-A16	0.211 - 0.25	5250-122-032-A40	0.586 - 0.625
5250-122-032-A18	0.242 - 0.281	5250-122-032-A42	0.617 - 0.656
5250-122-032-A20	0.273 - 0.312	5250-122-032-A44	0.648 - 0.687
5250-122-032-A22	0.304 - 0.343	5250-122-032-A46	0.679 - 0.718
5250-122-032-A24	0.336 - 0.375	5250-122-032-A48	0.711 - 0.75
5250-122-032-A26	0.367 - 0.406		

Features:

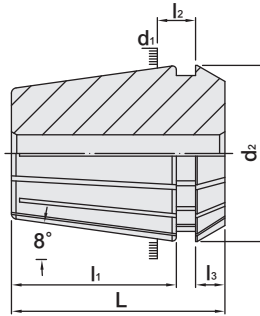
- ▶ Runout accuracy: 15μm, A class 10μm, UP class 5μm. Please indicate the runout accuracy needed when placing an order.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID ≥ 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID ≤ 10mm).
- ▶ Surface roughness: Ra < 0.25μm, A class Ra < 0.15μm, UP class Ra < 0.1μm.
- ▶ Used for drills, taps, mills and reamers, etc.



ER COLLET

ER 彈性筒夾

(DIN ISO 15488)



TW PAT NO. M261313
 TW PAT NO. M266126
 J P PAT NO. 3108255
 J P PAT NO. 3108254

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER8	8	8.5	13.5	10.8	2.98	1.5	0.01
ER11	11	11.5	18	13.5	3.8	2.5	0.01
ER16	16	17	27.5	20.8	6.26	4	0.03
ER20	20	21	31.5	23.9	6.36	4.8	0.04
ER25	25	26	34	25.9	6.66	5	0.06
ER32	32	33	40	30.9	7.16	5.5	0.10
ER40	40	41	46	34.9	7.66	7	0.25
ER50	50	51.85	60	46	12.6	8.5	0.45

ER40			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-122-040-003	3 - 2	5250-122-040-015	15 - 14
5250-122-040-003.5	3.5 - 2.5	5250-122-040-015.5	15.5 - 14.5
5250-122-040-004	4 - 3	5250-122-040-016	16 - 15
5250-122-040-004.5	4.5 - 3.5	5250-122-040-016.5	16.5 - 15.5
5250-122-040-005	5 - 4	5250-122-040-017	17 - 16
5250-122-040-005.5	5.5 - 4.5	5250-122-040-017.5	17.5 - 16.5
5250-122-040-006	6 - 5	5250-122-040-018	18 - 17
5250-122-040-006.5	6.5 - 5.5	5250-122-040-018.5	18.5 - 17.5
5250-122-040-007	7 - 6	5250-122-040-019	19 - 18
5250-122-040-007.5	7.5 - 6.5	5250-122-040-019.5	19.5 - 18.5
5250-122-040-008	8 - 7	5250-122-040-020	20 - 19
5250-122-040-008.5	8.5 - 7.5	5250-122-040-020.5	20.5 - 19.5
5250-122-040-009	9 - 8	5250-122-040-021	21 - 20
5250-122-040-009.5	9.5 - 8.5	5250-122-040-021.5	21.5 - 20.5
5250-122-040-010	10 - 9	5250-122-040-022	22 - 21
5250-122-040-010.5	10.5 - 9.5	5250-122-040-022.5	22.5 - 21.5
5250-122-040-011	11 - 10	5250-122-040-023	23 - 22
5250-122-040-011.5	11.5 - 10.5	5250-122-040-023.5	23.5 - 22.5
5250-122-040-012	12 - 11	5250-122-040-024	24 - 23
5250-122-040-012.5	12.5 - 11.5	5250-122-040-024.5	24.5 - 23.5
5250-122-040-013	13 - 12	5250-122-040-025	25 - 24
5250-122-040-013.5	13.5 - 12.5	5250-122-040-025.5	25.5 - 24.5
5250-122-040-014	14 - 13	5250-122-040-026	26 - 25
5250-122-040-014.5	14.5 - 13.5		

INCHES

5250-122-040-A08	0.086 - 0.125	5250-122-040-A32	0.461 - 0.5
5250-122-040-A10	0.117 - 0.156	5250-122-040-A34	0.492 - 0.531
5250-122-040-A12	0.148 - 0.187	5250-122-040-A36	0.523 - 0.562
5250-122-040-A14	0.179 - 0.218	5250-122-040-A38	0.554 - 0.593
5250-122-040-A16	0.211 - 0.25	5250-122-040-A40	0.586 - 0.625
5250-122-040-A18	0.242 - 0.281	5250-122-040-A42	0.617 - 0.656
5250-122-040-A20	0.273 - 0.312	5250-122-040-A44	0.648 - 0.687
5250-122-040-A22	0.304 - 0.343	5250-122-040-A46	0.679 - 0.718
5250-122-040-A24	0.336 - 0.375	5250-122-040-A48	0.711 - 0.750
5250-122-040-A26	0.367 - 0.406	5250-122-040-A56	0.836 - 0.875
5250-122-040-A28	0.398 - 0.437	5250-122-040-A64	0.961 - 1
5250-122-040-A30	0.429 - 0.468		

ER50			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-122-050-006	6 - 5	5250-122-050-021	21 - 19
5250-122-050-007	7 - 6	5250-122-050-022	22 - 20
5250-122-050-008	8 - 7	5250-122-050-023	23 - 21
5250-122-050-009	9 - 8	5250-122-050-024	24 - 22
5250-122-050-010	10 - 9	5250-122-050-025	25 - 23
5250-122-050-011	11 - 9	5250-122-050-026	26 - 24
5250-122-050-012	12 - 10	5250-122-050-027	27 - 25
5250-122-050-013	13 - 11	5250-122-050-028	28 - 26
5250-122-050-014	14 - 12	5250-122-050-029	29 - 27
5250-122-050-015	15 - 13	5250-122-050-030	30 - 28
5250-122-050-016	16 - 14	5250-122-050-031	31 - 29
5250-122-050-017	17 - 15	5250-122-050-032	32 - 30
5250-122-050-018	18 - 16	5250-122-050-033	33 - 31
5250-122-050-019	19 - 17	5250-122-050-034	34 - 32
5250-122-050-020	20 - 18		

INCHES

5250-122-040-A14	0.179 - 0.219	5250-122-040-A50	0.703 - 0.781
5250-122-040-A16	0.211 - 0.250	5250-122-040-A54	0.765 - 0.844
5250-122-040-A20	0.273 - 0.313	5250-122-040-A60	0.859 - 0.938
5250-122-040-A22	0.304 - 0.344	5250-122-040-A64	0.921 - 1
5250-122-040-A24	0.336 - 0.375	5250-122-040-A65	1.015 - 1.094
5250-122-040-A28	0.359 - 0.438	5250-122-040-A70	1.109 - 1.188
5250-122-040-A34	0.453 - 0.531	5250-122-040-A72	1.171 - 1.25
5250-122-040-A40	0.546 - 0.625	5250-122-040-A74	1.234 - 1.313
5250-122-040-A44	0.609 - 0.688		

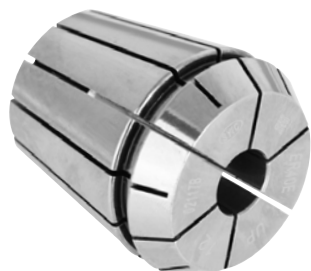
Features:

- ▶ Runout accuracy: 15μm, A class 10μm, UP class 5μm. Please indicate the runout accuracy needed when placing an order.
- ▶ Design: 8 slots in front and back, with good flexibility and convenient for clamping tools.
- ▶ Clamping range: ER8, ER11: 0.5mm; ER16,20,25,32,40: 1mm (ID ≥ 3mm), 0.5mm (ID < 3mm); ER50: 2mm (ID > 10mm), 1mm (ID ≤ 10mm).
- ▶ Surface roughness: Ra < 0.25μm, A class Ra < 0.15μm, UP class Ra < 0.1μm.
- ▶ Used for drills, taps, mills and reamers, etc.

ER - E COLLET

ER - E 彈性筒夾

(DIN ISO 15488)



TW PAT NO. M261313
TW PAT NO. M266126
J P PAT NO. 3108255
J P PAT NO. 3108254

ER11E	
MODEL NO.	SIZE
5250-113-011-002	2
5250-113-011-003	3
5250-113-011-004	4
5250-113-011-005	5
5250-113-011-006	6
5250-113-011-007	7

INCHES

5250-113-011-A04	1/16
5250-113-011-A06	3/32
5250-113-011-A08	1/8
5250-113-011-A10	5/32
5250-113-011-A12	3/16
5250-113-011-A14	7/32
5250-113-011-A16	1/4
5250-113-011-A18	9/32

ER16E	
MODEL NO.	SIZE
5250-113-016-002	2
5250-113-016-003	3
5250-113-016-004	4
5250-113-016-005	5
5250-113-016-006	6
5250-113-016-007	7
5250-113-016-008	8
5250-113-016-009	9
5250-113-016-010	10

INCHES

5250-113-016-A04	1/16
5250-113-016-A06	3/32
5250-113-016-A08	1/8
5250-113-016-A10	5/32
5250-113-016-A12	3/16
5250-113-016-A14	7/32
5250-113-016-A16	1/4
5250-113-016-A18	9/32
5250-113-016-A20	5/16
5250-113-016-A22	11/32
5250-113-016-A24	3/8
5250-113-016-A26	13/32

ER20E	
MODEL NO.	SIZE
5250-113-020-002	2
5250-113-020-003	3
5250-113-020-004	4
5250-113-020-005	5
5250-113-020-006	6
5250-113-020-007	7
5250-113-020-008	8
5250-113-020-009	9
5250-113-020-010	10
5250-113-020-011	11
5250-113-020-012	12
5250-113-020-013	13

INCHES

5250-113-020-A04	1/16
5250-113-020-A06	3/32
5250-113-020-A08	1/8
5250-113-020-A10	5/32
5250-113-020-A12	3/16
5250-113-020-A14	7/32
5250-113-020-A16	1/4
5250-113-020-A18	9/32
5250-113-020-A20	5/16
5250-113-020-A22	11/32
5250-113-020-A24	3/8
5250-113-020-A26	13/32
5250-113-020-A28	7/16
5250-113-020-A30	15/32
5250-113-020-A32	1/2

ER25E	
MODEL NO.	SIZE
5250-113-025-002	2
5250-113-025-003	3
5250-113-025-004	4
5250-113-025-005	5
5250-113-025-006	6
5250-113-025-007	7
5250-113-025-008	8
5250-113-025-009	9
5250-113-025-010	10
5250-113-025-011	11
5250-113-025-012	12
5250-113-025-013	13
5250-113-025-014	14
5250-113-025-015	15
5250-113-025-016	16

INCHES

5250-113-025-A06	3/32
5250-113-025-A08	1/8
5250-113-025-A10	5/32
5250-113-025-A12	3/16
5250-113-025-A14	7/32
5250-113-025-A16	1/4
5250-113-025-A18	9/32
5250-113-025-A20	5/16
5250-113-025-A22	11/32
5250-113-025-A24	3/8
5250-113-025-A26	13/32
5250-113-025-A28	7/16
5250-113-025-A30	15/32
5250-113-025-A32	1/2
5250-113-025-A34	17/32
5250-113-025-A36	9/16
5250-113-025-A38	19/32
5250-113-025-A40	5/8

ER32E	
MODEL NO.	SIZE
5250-113-032-003	3
5250-113-032-004	4
5250-113-032-005	5
5250-113-032-006	6
5250-113-032-007	7
5250-113-032-008	8
5250-113-032-009	9
5250-113-032-010	10
5250-113-032-011	11
5250-113-032-012	12
5250-113-032-013	13
5250-113-032-014	14
5250-113-032-015	15
5250-113-032-016	16
5250-113-032-017	17
5250-113-032-018	18
5250-113-032-019	19
5250-113-032-020	20

INCHES

5250-113-032-A08	1/8
5250-113-032-A10	5/32
5250-113-032-A12	3/16
5250-113-032-A14	7/32
5250-113-032-A16	1/4
5250-113-032-A18	9/32
5250-113-032-A20	5/16
5250-113-032-A22	11/32
5250-113-032-A24	3/8
5250-113-032-A26	13/32
5250-113-032-A28	7/16
5250-113-032-A30	15/32
5250-113-032-A32	1/2
5250-113-032-A34	17/32
5250-113-032-A36	9/16
5250-113-032-A38	19/32
5250-113-032-A40	5/8
5250-113-032-A42	21/32
5250-113-032-A44	11/16
5250-113-032-A46	23/32
5250-113-032-A48	3/4

ER40E	
MODEL NO.	SIZE

5250-113-040-003	3
5250-113-040-004	4
5250-113-040-005	5
5250-113-040-006	6
5250-113-040-007	7
5250-113-040-008	8
5250-113-040-009	9
5250-113-040-010	10
5250-113-040-011	11
5250-113-040-012	12
5250-113-040-013	13
5250-113-040-014	14
5250-113-040-015	15
5250-113-040-016	16
5250-113-040-017	17
5250-113-040-018	18
5250-113-040-019	19
5250-113-040-020	20
5250-113-040-021	21
5250-113-040-022	22
5250-113-040-023	23
5250-113-040-024	24
5250-113-040-025	25
5250-113-040-026	26

INCHES

5250-113-040-A08	1/8
5250-113-040-A10	5/32
5250-113-040-A12	3/16
5250-113-040-A14	7/32
5250-113-040-A16	1/4
5250-113-040-A18	9/32
5250-113-040-A20	5/16
5250-113-040-A22	11/32
5250-113-040-A24	3/8
5250-113-040-A26	13/32
5250-113-040-A28	7/16
5250-113-040-A30	15/32
5250-113-040-A32	1/2
5250-113-040-A34	17/32
5250-113-040-A36	9/16
5250-113-040-A38	19/32
5250-113-040-A40	5/8
5250-113-040-A42	21/32
5250-113-040-A44	11/16
5250-113-040-A46	23/32
5250-113-040-A48	3/4
5250-113-040-A56	7/8
5250-113-040-A64	1

Features:

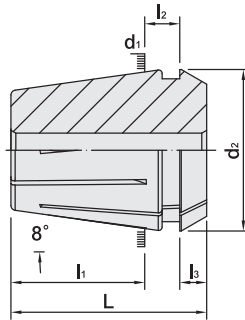
- ▶ Runout accuracy: R class 7μm, UP class 5μm, P class 3μm.
- ▶ Design: 6 slots in front and back, increasing precision stability.
- ▶ Clamping one size tool is recommended.
- ▶ Surface roughness: Ra<0.1μm



ER - ES STEEL SEALED COLLET

ER - ES 斜槽止水筒夾

(DIN ISO 15488)



TW PAT NO. M285418
TW PAT NO. M311516
J P PAT NO. 3124650
C H PAT NO. 696264

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER11ES	11	11.2	18	13.5	3.8	2.5	0.01
ER16ES	16	16.6	27.5	20.8	6.25	4	0.03
ER20ES	20	20.6	31.5	23.9	6.36	4.8	0.04
ER25ES	25	25.6	34	25.9	6.66	5	0.06
ER32ES	32	32.6	40	30.9	7.16	5.5	0.10
ER40ES	40	40.6	46	34.9	7.66	7	0.25

ER11ES		ER16ES		ER20ES		ER25ES			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-114-011-003	3	5250-114-016-003	3	5250-114-020-003	3	5250-114-025-003	3	5250-114-025-010	10
5250-114-011-003.5	3.5	5250-114-016-003.5	3.5	5250-114-020-003.5	3.5	5250-114-025-003.5	3.5	5250-114-025-010.5	10.5
5250-114-011-004	4	5250-114-016-004	4	5250-114-020-004	4	5250-114-025-004	4	5250-114-025-011	11
5250-114-011-004.5	4.5	5250-114-016-004.5	4.5	5250-114-020-004.5	4.5	5250-114-025-004.5	4.5	5250-114-025-011.5	11.5
5250-114-011-005	5	5250-114-016-005	5	5250-114-020-005	5	5250-114-025-005	5	5250-114-025-012	12
5250-114-011-005.5	5.5	5250-114-016-005.5	5.5	5250-114-020-005.5	5.5	5250-114-025-005.5	5.5	5250-114-025-012.5	12.5
5250-114-011-006	6	5250-114-016-006	6	5250-114-020-006	6	5250-114-025-006	6	5250-114-025-013	13
5250-114-011-006.5	6.5	5250-114-016-006.5	6.5	5250-114-020-006.5	6.5	5250-114-025-006.5	6.5	5250-114-025-013.5	13.5
5250-114-011-007	7	5250-114-016-007	7	5250-114-020-007	7	5250-114-025-007	7	5250-114-025-014	14
INCHES		5250-114-016-007.5	7.5	5250-114-020-007.5	7.5	5250-114-025-007.5	7.5	5250-114-025-014.5	14.5
5250-114-011-A06	3/32	5250-114-016-008	8	5250-114-020-008	8	5250-114-025-008	8	5250-114-025-015	15
5250-114-011-A08	1/8	5250-114-016-008.5	8.5	5250-114-020-008.5	8.5	5250-114-025-008.5	8.5	5250-114-025-015.5	15.5
5250-114-011-A10	5/32	5250-114-016-009	9	5250-114-020-009	9	5250-114-025-009	9	5250-114-025-016	16
5250-114-011-A12	3/16	5250-114-016-009.5	9.5	5250-114-020-009.5	9.5	5250-114-025-009.5	9.5		
5250-114-011-A14	7/32	5250-114-016-010	10	5250-114-020-010	10	INCHES			
5250-114-011-A16	1/4	INCHES		5250-114-020-010.5	10.5	5250-114-025-A14	7/32	5250-114-025-A28	7/16
		5250-114-016-A06	3/32	5250-114-020-011	11	5250-114-025-A16	1/4	5250-114-025-A30	15/32
		5250-114-016-A08	1/8	5250-114-020-011.5	11.5	5250-114-025-A18	9/32	5250-114-025-A32	1/2
		5250-114-016-A10	5/32	5250-114-020-012	12	5250-114-025-A20	5/16	5250-114-025-A34	17/32
		5250-114-016-A12	3/16	5250-114-020-012.5	12.5	5250-114-025-A22	11/32	5250-114-025-A36	9/16
		5250-114-016-A14	7/32	5250-114-020-013	13	5250-114-025-A24	3/8	5250-114-025-A38	19/32
		5250-114-016-A16	1/4	INCHES		5250-114-025-A26	13/32	5250-114-025-A40	5/8
		5250-114-016-A18	9/32	5250-114-020-A08	1/8				
		5250-114-016-A20	5/16	5250-114-020-A10	5/32				
		5250-114-016-A22	11/32	5250-114-020-A12	3/16				
		5250-114-016-A24	3/8	5250-114-020-A14	7/32				
		5250-114-016-A26	13/32	5250-114-020-A16	1/4				
				5250-114-020-A18	9/32				
				5250-114-020-A20	5/16				
				5250-114-020-A22	11/32				
				5250-114-020-A24	3/8				
				5250-114-020-A26	13/32				
				5250-114-020-A28	7/16				
				5250-114-020-A30	15/32				
				5250-114-020-A32	1/2				

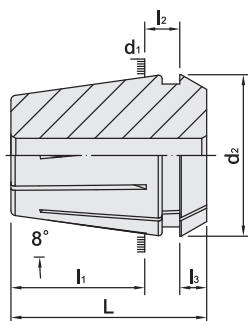
Features:

- ▶ Runout accuracy: 15µm, A class 10µm, UP class 5µm.
- ▶ Surface roughness: Ra<0.25µm.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.

ER - ES STEEL SEALED COLLET

ER - ES 斜槽止水筒夾

(DIN ISO 15488)

台灣精品 2007
TAIWAN EXCELLENCETW PAT NO. M285418
TW PAT NO. M311516
J P PAT NO. 3124650
C H PAT NO. 696264

TYPE	d ₁	d ₂	L	l ₁	l ₂	l ₃	WEIGHT (KGS)
ER11ES	11	11.2	18	13.5	3.8	2.5	0.01
ER16ES	16	16.6	27.5	20.8	6.25	4	0.03
ER20ES	20	20.6	31.5	23.9	6.36	4.8	0.04
ER25ES	25	25.6	34	25.9	6.66	5	0.06
ER32ES	32	32.6	40	30.9	7.16	5.5	0.10
ER40ES	40	40.6	46	34.9	7.66	7	0.25

ER32ES			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-114-032-003	3	5250-114-032-012	12
5250-114-032-003.5	3.5	5250-114-032-012.5	12.5
5250-114-032-004	4	5250-114-032-013	13
5250-114-032-004.5	4.5	5250-114-032-013.5	13.5
5250-114-032-005	5	5250-114-032-014	14
5250-114-032-005.5	5.5	5250-114-032-014.5	14.5
5250-114-032-006	6	5250-114-032-015	15
5250-114-032-006.5	6.5	5250-114-032-015.5	15.5
5250-114-032-007	7	5250-114-032-016	16
5250-114-032-007.5	7.5	5250-114-032-016.5	16.5
5250-114-032-008	8	5250-114-032-017	17
5250-114-032-008.5	8.5	5250-114-032-017.5	17.5
5250-114-032-009	9	5250-114-032-018	18
5250-114-032-009.5	9.5	5250-114-032-018.5	18.5
5250-114-032-010	10	5250-114-032-019	19
5250-114-032-010.5	10.5	5250-114-032-019.5	19.5
5250-114-032-011	11	5250-114-032-020	20
5250-114-032-011.5	11.5		

INCHES

5250-114-032-A14	7/32	5250-114-032-A32	1/2
5250-114-032-A16	1/4	5250-114-032-A34	17/32
5250-114-032-A18	9/32	5250-114-032-A36	9/16
5250-114-032-A20	5/16	5250-114-032-A38	19/32
5250-114-032-A22	11/32	5250-114-032-A40	5/8
5250-114-032-A24	3/8	5250-114-032-A42	21/32
5250-114-032-A26	13/32	5250-114-032-A44	11/16
5250-114-032-A28	7/16	5250-114-032-A46	23/32
5250-114-032-A30	15/32	5250-114-032-A48	3/4

ER40ES			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-114-040-003	3	5250-114-040-015	15
5250-114-040-003.5	3.5	5250-114-040-015.5	15.5
5250-114-040-004	4	5250-114-040-016	16
5250-114-040-004.5	4.5	5250-114-040-016.5	16.5
5250-114-040-005	5	5250-114-040-017	17
5250-114-040-005.5	5.5	5250-114-040-017.5	17.5
5250-114-040-006	6	5250-114-040-018	18
5250-114-040-006.5	6.5	5250-114-040-018.5	18.5
5250-114-040-007	7	5250-114-040-019	19
5250-114-040-007.5	7.5	5250-114-040-019.5	19.5
5250-114-040-008	8	5250-114-040-020	20
5250-114-040-008.5	8.5	5250-114-040-020.5	20.5
5250-114-040-009	9	5250-114-040-021	21
5250-114-040-009.5	9.5	5250-114-040-021.5	21.5
5250-114-040-010	10	5250-114-040-022	22
5250-114-040-010.5	10.5	5250-114-040-022.5	22.5
5250-114-040-011	11	5250-114-040-023	23
5250-114-040-011.5	11.5	5250-114-040-023.5	23.5
5250-114-040-012	12	5250-114-040-024	24
5250-114-040-012.5	12.5	5250-114-040-024.5	24.5
5250-114-040-013	13	5250-114-040-025	25
5250-114-040-013.5	13.5	5250-114-040-025.5	25.5
5250-114-040-014	14	5250-114-040-026	26
5250-114-040-014.5	14.5		

INCHES

5250-114-040-A14	7/32	5250-114-040-A34	17/32
5250-114-040-A16	1/4	5250-114-040-A36	9/16
5250-114-040-A18	9/32	5250-114-040-A38	19/32
5250-114-040-A20	5/16	5250-114-040-A40	5/8
5250-114-040-A22	11/32	5250-114-040-A42	21/32
5250-114-040-A24	3/8	5250-114-040-A44	11/16
5250-114-040-A26	13/32	5250-114-040-A46	23/32
5250-114-040-A28	7/16	5250-114-040-A48	3/4
5250-114-040-A30	15/32	5250-114-040-A56	7/8
5250-114-040-A32	1/2	5250-114-040-A64	1

Features:

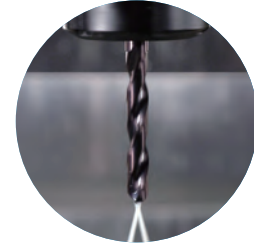
- ▶ Runout accuracy: 15μm, A class 10μm, UP class 5μm.
- ▶ Surface roughness: Ra<0.25μm.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS METALLIC SEALED COLLET

ERS 直溝止水筒夾

(DIN ISO 15488)



ERS11		ERS16		ERS20		ERS25			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-111-011-003	3	5250-111-016-003	3	5250-111-020-003	3	5250-111-025-003	3	5250-111-025-010	10
5250-111-011-003.5	3.5	5250-111-016-003.5	3.5	5250-111-020-003.5	3.5	5250-111-025-03.5	3.5	5250-111-025-010.5	10.5
5250-111-011-004	4	5250-111-016-004	4	5250-111-020-004	4	5250-111-025-004	4	5250-111-025-011	11
5250-111-011-004.5	4.5	5250-111-016-004.5	4.5	5250-111-020-004.5	4.5	5250-111-025-04.5	4.5	5250-111-025-011.5	11.5
5250-111-011-005	5	5250-111-016-005	5	5250-111-020-005	5	5250-111-025-005	5	5250-111-025-012	12
5250-111-011-005.5	5.5	5250-111-016-005.5	5.5	5250-111-020-005.5	5.5	5250-111-025-05.5	5.5	5250-111-025-012.5	12.5
5250-111-011-006	6	5250-111-016-006	6	5250-111-020-006	6	5250-111-025-006	6	5250-111-025-013	13
5250-111-011-006.5	6.5	5250-111-016-006.5	6.5	5250-111-020-006.5	6.5	5250-111-025-06.5	6.5	5250-111-025-013.5	13.5
5250-111-011-007	7	5250-111-016-007	7	5250-111-020-007	7	5250-111-025-007	7	5250-111-025-014	14
INCHES		5250-111-016-007.5	7.5	5250-111-020-007.5	7.5	5250-111-025-07.5	7.5	5250-111-025-014.5	14.5
5250-111-011-A06	3/32	5250-111-016-008	8	5250-111-020-008	8	5250-111-025-008	8	5250-111-025-015	15
5250-111-011-A08	1/8	5250-111-016-008.5	8.5	5250-111-020-008.5	8.5	5250-111-025-08.5	8.5	5250-111-025-015.5	15.5
5250-111-011-A10	5/32	5250-111-016-009	9	5250-111-020-009	9	5250-111-025-009	9	5250-111-025-016	16
5250-111-011-A12	3/16	5250-111-016-009.5	9.5	5250-111-020-09.5	9.5	5250-111-025-009.5	9.5		
5250-111-011-A14	7/32	5250-111-016-010	10	5250-111-020-010	10	INCHES			
5250-111-011-A16	1/4	INCHES		5250-111-020-010.5	10.5	5250-111-025-A14	7/32	5250-111-025-A28	7/16
		5250-111-016-A06	3/32	5250-111-020-011	11	5250-111-025-A16	1/4	5250-111-025-A30	15/32
		5250-111-016-A08	1/8	5250-111-020-011.5	11.5	5250-111-025-A18	9/32	5250-111-025-32	1/2
		5250-111-016-A10	5/32	5250-111-020-012	12	5250-111-025-A20	5/16	5250-111-025-A34	17/32
		5250-111-016-A12	3/16	5250-111-020-012.5	12.5	5250-111-025-A22	11/32	5250-111-025-A36	9/16
		5250-111-016-A14	7/32	5250-111-020-013	13	5250-111-025-A24	3/8	5250-111-025-A38	19/32
		5250-111-016-A16	1/4	INCHES		5250-111-025-A26	13/32	5250-111-025-A40	5/8
		5250-111-016-A18	9/32	5250-111-020-A08	1/8				
		5250-111-016-A20	5/16	5250-111-020-A10	5/32				
		5250-111-016-A22	11/32	5250-111-020-A12	3/16				
		5250-111-016-A24	3/8	5250-111-020-A14	7/32				
		5250-111-016-A26	13/32	5250-111-020-A16	1/4				
				5250-111-020-A18	9/32				
				5250-111-020-A20	5/16				
				5250-111-020-A22	11/32				
				5250-111-020-A24	3/8				
				5250-111-020-A26	13/32				
				5250-111-020-A28	7/16				
				5250-111-020-A30	15/32				
				5250-111-020-A32	1/2				

Features:

- ▶ Runout accuracy: 10 μ m, R class 7 μ m, UP class 5 μ m, P class 3 μ m.
- ▶ Surface roughness: Ra<0.25 μ m.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.

ERS METALLIC SEALED COLLET

ERS 直溝止水筒夾

(DIN ISO 15488)



ERS32			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-111-032-003	3	5250-111-032-012	12
5250-111-032-003.5	3.5	5250-111-032-012.5	12.5
5250-111-032-004	4	5250-111-032-013	13
5250-111-032-004.5	4.5	5250-111-032-013.5	13.5
5250-111-032-005	5	5250-111-032-014	14
5250-111-032-005.5	5.5	5250-111-032-014.5	14.5
5250-111-032-006	6	5250-111-032-015	15
5250-111-032-006.5	6.5	5250-111-032-015.5	15.5
5250-111-032-007	7	5250-111-032-016	16
5250-111-032-007.5	7.5	5250-111-032-016.5	16.5
5250-111-032-008	8	5250-111-032-017	17
5250-111-032-008.5	8.5	5250-111-032-017.5	17.5
5250-111-032-009	9	5250-111-032-018	18
5250-111-032-009.5	9.5	5250-111-032-018.5	18.5
5250-111-032-010	10	5250-111-032-019	19
5250-111-032-010.5	10.5	5250-111-032-019.5	19.5
5250-111-032-011	11	5250-111-032-020	20
5250-111-032-011.5	11.5		
5250-111-032-A14	7/32	5250-111-032-A32	1/2
5250-111-032-A16	1/4	5250-111-032-A34	17/32
5250-111-032-A18	9/32	5250-111-032-A36	9/16
5250-111-032-A20	5/16	5250-111-032-A38	19/32
5250-111-032-A22	11/32	5250-111-032-A40	5/8
5250-111-032-A24	3/8	5250-111-032-A42	21/32
5250-111-032-A26	13/32	5250-111-032-A44	11/16
5250-111-032-A28	7/16	5250-111-032-A46	23/32
5250-111-032-A30	15/32	5250-111-032-A48	3/4

ERS40			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-111-040-003	3	5250-111-040-015	15
5250-111-040-003.5	3.5	5250-111-040-015.5	15.5
5250-111-040-004	4	5250-111-040-016	16
5250-111-040-004.5	4.5	5250-111-040-016.5	16.5
5250-111-040-005	5	5250-111-040-017	17
5250-111-040-005.5	5.5	5250-111-040-017.5	17.5
5250-111-040-006	6	5250-111-040-018	18
5250-111-040-006.5	6.5	5250-111-040-018.5	18.5
5250-111-040-007	7	5250-111-040-019	19
5250-111-040-007.5	7.5	5250-111-040-019.5	19.5
5250-111-040-008	8	5250-111-040-020	20
5250-111-040-008.5	8.5	5250-111-040-020.5	20.5
5250-111-040-009	9	5250-111-040-021	21
5250-111-040-009.5	9.5	5250-111-040-021.5	21.5
5250-111-040-010	10	5250-111-040-022	22
5250-111-040-010.5	10.5	5250-111-040-022.5	22.5
5250-111-040-011	11	5250-111-040-023	23
5250-111-040-011.5	11.5	5250-111-040-023.5	23.5
5250-111-040-012	12	5250-111-040-024	24
5250-111-040-012.5	12.5	5250-111-040-024.5	24.5
5250-111-040-013	13	5250-111-040-025	25
5250-111-040-013.5	13.5	5250-111-040-025.5	25.5
5250-111-040-014	14	5250-111-040-026	26
5250-111-040-014.5	14.5		
5250-111-040-A14	7/32	5250-111-040-A34	17/32
5250-111-040-A16	1/4	5250-111-040-A36	9/16
5250-111-040-A18	9/32	5250-111-040-A38	19/32
5250-111-040-A20	5/16	5250-111-040-A40	5/8
5250-111-040-A22	11/32	5250-111-040-A42	21/32
5250-111-040-A24	3/8	5250-111-040-A44	11/16
5250-111-040-A26	13/32	5250-111-040-A46	23/32
5250-111-040-A28	7/16	5250-111-040-A48	3/4
5250-111-040-A30	15/32	5250-111-040-A56	7/8
5250-111-040-A32	1/2	5250-111-040-A64	1

Features:

- ▶ Runout accuracy: 10 μ m, R class 7 μ m, UP class 5 μ m, P class 3 μ m.
- ▶ Surface roughness: Ra<0.25 μ m.
- ▶ Used for coolant-through cutting tools.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS COOLANT COLLET FID TYPE

ERS 直溝出水筒夾 [FID型]

(DIN ISO 15488)



ERS11 - FID		ERS16 - FID		ERS20 - FID		ERS25 - FID			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-188-011-003	3	5250-188-016-003	3	5250-188-020-003	3	5250-188-025-003	3	5250-188-025-010	10
5250-188-011-003.5	3.5	5250-188-016-003.5	3.5	5250-188-020-003.5	3.5	5250-188-025-003.5	3.5	5250-188-025-010.5	10.5
5250-188-011-004	4	5250-188-016-004	4	5250-188-020-004	4	5250-188-025-004	4	5250-188-025-011	11
5250-188-011-004.5	4.5	5250-188-016-004.5	4.5	5250-188-020-004.5	4.5	5250-188-025-004.5	4.5	5250-188-025-011.5	11.5
5250-188-011-005	5	5250-188-016-005	5	5250-188-020-005	5	5250-188-025-005	5	5250-188-025-012	12
5250-188-011-005.5	5.5	5250-188-016-005.5	5.5	5250-188-020-005.5	5.5	5250-188-025-005.5	5.5	5250-188-025-012.5	12.5
5250-188-011-006	6	5250-188-016-006	6	5250-188-020-006	6	5250-188-025-006	6	5250-188-025-013	13
5250-188-011-006.5	6.5	5250-188-016-006.5	6.5	5250-188-020-006.5	6.5	5250-188-025-006.5	6.5	5250-188-025-013.5	13.5
5250-188-011-007	7	5250-188-016-007	7	5250-188-020-007	7	5250-188-025-007	7	5250-188-025-014	14
INCHES		5250-188-016-007.5	7.5	5250-188-020-007.5	7.5	5250-188-025-007.5	7.5	5250-188-025-014.5	14.5
5250-188-011-A06	3/32	5250-188-016-008	8	5250-188-020-008	8	5250-188-025-008	8	5250-188-025-015	15
5250-188-011-A08	1/8	5250-188-016-008.5	8.5	5250-188-020-008.5	8.5	5250-188-025-008.5	8.5	5250-188-025-015.5	15.5
5250-188-011-A10	5/32	5250-188-016-009	9	5250-188-020-009	9	5250-188-025-009	9	5250-188-025-016	16
5250-188-011-A12	3/16	5250-188-016-009.5	9.5	5250-188-020-009.5	9.5	5250-188-025-009.5	9.5	INCHES	
5250-188-011-A14	7/32	5250-188-016-010	10	5250-188-020-010	10	5250-188-025-A14	7/32	5250-188-025-A28	7/16
5250-188-011-A16	1/4	INCHES		5250-188-020-010.5	10.5	5250-188-025-A16	1/4	5250-188-025-A30	15/32
		5250-188-016-A06	3/32	5250-188-020-011	11	5250-188-025-A18	9/32	5250-188-025-A32	1/2
		5250-188-016-A08	1/8	5250-188-020-011.5	11.5	5250-188-025-A20	5/16	5250-188-025-A34	17/32
		5250-188-016-A10	5/32	5250-188-020-012	12	5250-188-025-A22	11/32	5250-188-025-A36	9/16
		5250-188-016-A12	3/16	5250-188-020-012.5	12.5	5250-188-025-A24	3/8	5250-188-025-A38	19/32
		5250-188-016-A14	7/32	5250-188-020-013	13	5250-188-025-A26	13/32	5250-188-025-A40	5/8
		5250-188-016-A16	1/4	INCHES					
		5250-188-016-A18	9/32	5250-188-020-A08	1/8				
		5250-188-016-A20	5/16	5250-188-020-A10	5/32				
		5250-188-016-A22	11/32	5250-188-020-A12	3/16				
		5250-188-016-A24	3/8	5250-188-020-A14	7/32				
		5250-188-016-A26	13/32	5250-188-020-A16	1/4				
				5250-188-020-A18	9/32				
				5250-188-020-A20	5/16				
				5250-188-020-A22	11/32				
				5250-188-020-A24	3/8				

Features:

- ▶ Runout accuracy: 10μm, R class 7μm, UP class 5μm, P class 3μm.
- ▶ Surface roughness: Ra<0.25μm.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.

ERS COOLANT COLLET FID TYPE

ERS 直溝出水筒夾 [FID型]

(DIN ISO 15488)



ERS32 - FID			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-188-032-003	3	5250-188-032-012	12
5250-188-032-003.5	3.5	5250-188-032-012.5	12.5
5250-188-032-004	4	5250-188-032-013	13
5250-188-032-004.5	4.5	5250-188-032-013.5	13.5
5250-188-032-005	5	5250-188-032-014	14
5250-188-032-005.5	5.5	5250-188-032-014.5	14.5
5250-188-032-006	6	5250-188-032-015	15
5250-188-032-006.5	6.5	5250-188-032-015.5	15.5
5250-188-032-007	7	5250-188-032-016	16
5250-188-032-007.5	7.5	5250-188-032-016.5	16.5
5250-188-032-008	8	5250-188-032-017	17
5250-188-032-008.5	8.5	5250-188-032-017.5	17.5
5250-188-032-009	9	5250-188-032-018	18
5250-188-032-009.5	9.5	5250-188-032-018.5	18.5
5250-188-032-010	10	5250-188-032-019	19
5250-188-032-010.5	10.5	5250-188-032-019.5	19.5
5250-188-032-011	11	5250-188-032-020	20
5250-188-032-011.5	11.5		

INCHES

5250-188-032-A14	7/32	5250-188-032-A32	1/2
5250-188-032-A16	1/4	5250-188-032-A34	17/32
5250-188-032-A18	9/32	5250-188-032-A36	9/16
5250-188-032-A20	5/16	5250-188-032-A38	19/32
5250-188-032-A22	11/32	5250-188-032-A40	5/8
5250-188-032-A24	3/8	5250-188-032-A42	21/32
5250-188-032-A26	13/32	5250-188-032-A44	11/16
5250-188-032-A28	7/16	5250-188-032-A46	23/32
5250-188-032-A30	15/32	5250-188-032-A48	3/4

ERS40 - FID			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-188-040-003	3	5250-188-040-015	15
5250-188-040-003.5	3.5	5250-188-040-015.5	15.5
5250-188-040-004	4	5250-188-040-016	16
5250-188-040-004.5	4.5	5250-188-040-016.5	16.5
5250-188-040-005	5	5250-188-040-017.5	17
5250-188-040-005.5	5.5	5250-188-040-017.5	17.5
5250-188-040-006	6	5250-188-040-018	18
5250-188-040-006.5	6.5	5250-188-040-018.5	18.5
5250-188-040-007	7	5250-188-040-019	19
5250-188-040-007.5	7.5	5250-188-040-019.5	19.5
5250-188-040-008	8	5250-188-040-020	20
5250-188-040-008.5	8.5	5250-188-040-020.5	20.5
5250-188-040-009	9	5250-188-040-021	21
5250-188-040-009.5	9.5	5250-188-040-021.5	21.5
5250-188-040-010	10	5250-188-040-022	22
5250-188-040-010.5	10.5	5250-188-040-022.5	22.5
5250-188-040-011	11	5250-188-040-023	23
5250-188-040-011.5	11.5	5250-188-040-023.5	23.5
5250-188-040-012	12	5250-188-040-024	24
5250-188-040-012.5	12.5	5250-188-040-024.5	24.5
5250-188-040-013	13	5250-188-040-025	25
5250-188-040-013.5	13.5	5250-188-040-025.5	25.5
5250-188-040-014	14	5250-188-040-026	26
5250-188-040-014.5	14.5		

INCHES

5250-188-040-A14	7/32	5250-188-040-A34	17/32
5250-188-040-A16	1/4	5250-188-040-A36	9/16
5250-188-040-A18	9/32	5250-188-040-A38	19/32
5250-188-040-A20	5/16	5250-188-040-A40	5/8
5250-188-040-A22	11/32	5250-188-040-A42	21/32
5250-188-040-A24	3/8	5250-188-040-A44	11/16
5250-188-040-A26	13/32	5250-188-040-A46	23/32
5250-188-040-A28	7/16	5250-188-040-A48	3/4
5250-188-040-A30	15/32	5250-188-040-A56	7/8
5250-188-040-A32	1/2	5250-188-040-A64	1

Features:

- ▶ Runout accuracy: 10 μ m, R class 7 μ m, UP class 5 μ m, P class 3 μ m.
- ▶ Surface roughness: Ra<0.25 μ m.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ERS COOLANT COLLET FOD TYPE

ERS 直溝出水筒夾 [FOD型]

(DIN ISO 15488)



ERS11 - FOD		ERS16 - FOD		ERS20 - FOD		ERS25 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-112-011-003	3	5250-112-016-003	3	5250-112-020-003	3	5250-112-025-003	3	5250-112-025-009	9
5250-112-011-003.5	3.5	5250-112-016-003.5	3.5	5250-112-020-003.5	3.5	5250-112-025-003.5	3.5	5250-112-025-009.5	9.5
5250-112-011-004	4	5250-112-016-004	4	5250-112-020-004	4	5250-112-025-004	4	5250-112-025-010	10
5250-112-011-004.5	4.5	5250-112-016-004.5	4.5	5250-112-020-004.5	4.5	5250-112-025-004.5	4.5	5250-112-025-010.5	10.5
5250-112-011-005	5	5250-112-016-005	5	5250-112-020-005	5	5250-112-025-005	5	5250-112-025-011	11
INCHES		5250-112-016-005.5	5.5	5250-112-020-005.5	5.5	5250-112-025-005.5	5.5	5250-112-025-011.5	11.5
5250-112-011-A06	3/32	5250-112-016-006	6	5250-112-020-006	6	5250-112-025-006	6	5250-112-025-012	12
5250-112-011-A08	1/8	5250-112-016-006.5	6.5	5250-112-020-006.5	6.5	5250-112-025-006.5	6.5	5250-112-025-012.5	12.5
5250-112-011-A10	5/32	5250-112-016-007	7	5250-112-020-007	7	5250-112-025-007	7	5250-112-025-013	13
5250-112-011-A12	3/16	INCHES		5250-112-020-007.5	7.5	5250-112-025-007.5	7.5	5250-112-025-013.5	13.5
5250-112-011-A14	7/32	5250-112-016-A06	3/32	5250-112-020-008	8	5250-112-025-008	8	5250-112-025-014	14
5250-112-011-A16	1/4	5250-112-016-A08	1/8	5250-112-020-008.5	8.5	5250-112-025-008.5	8.5		
		5250-112-016-A10	5/32	5250-112-020-009	9	INCHES			
		5250-112-016-A12	3/16	INCHES		5250-112-025-A14	7/32	5250-112-025-A26	13/32
		5250-112-016-A14	7/32	5250-112-020-A08	1/8	5250-112-025-A16	1/4	5250-112-025-A28	7/16
		5250-112-016-A16	1/4	5250-112-020-A10	5/32	5250-112-025-A18	9/32	5250-112-025-A30	15/32
		5250-112-016-A18	9/32	5250-112-020-A12	3/16	5250-112-025-A20	5/16	5250-112-025-A32	1/2
		5250-112-016-A20	5/16	5250-112-020-A14	7/32	5250-112-025-A22	11/32	5250-112-025-A34	17/32
				5250-112-020-A16	1/4	5250-112-025-A24	3/8	5250-112-025-A36	9/16
				5250-112-020-A18	9/32				
				5250-112-020-A20	5/16				
				5250-112-020-A22	11/32				
				5250-112-020-A24	3/8				

Features:

- ▶ Runout accuracy: 10μm, R class 7μm, UP class 5μm, P class 3μm.
- ▶ Surface roughness: Ra<0.25μm.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.

ERS COOLANT COLLET

FOD TYPE

ERS 直溝出水筒夾 [FOD型]

(DIN ISO 15488)



ERS32 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-112-032-003	3	5250-112-032-012	12
5250-112-032-003.5	3.5	5250-112-032-012.5	12.5
5250-112-032-004	4	5250-112-032-013	13
5250-112-032-004.5	4.5	5250-112-032-013.5	13.5
5250-112-032-005	5	5250-112-032-014	14
5250-112-032-005.5	5.5	5250-112-032-014.5	14.5
5250-112-032-006	6	5250-112-032-015	15
5250-112-032-006.5	6.5	5250-112-032-015.5	15.5
5250-112-032-007	7	5250-112-032-016	16
5250-112-032-007.5	7.5	5250-112-032-016.5	16.5
5250-112-032-008	8	5250-112-032-017	17
5250-112-032-008.5	8.5	5250-112-032-017.5	17.5
5250-112-032-009	9	5250-112-032-018	18
5250-112-032-009.5	9.5	5250-112-032-018.5	18.5
5250-112-032-010	10	5250-112-032-019	19
5250-112-032-010.5	10.5	5250-112-032-019.5	19.5
5250-112-032-011	11	5250-112-032-020	20
5250-112-032-011.5	11.5		

INCHES

5250-112-032-A14	7/32	5250-112-032-A32	1/2
5250-112-032-A16	1/4	5250-112-032-A34	17/32
5250-112-032-A18	9/32	5250-112-032-A36	9/16
5250-112-032-A20	5/16	5250-112-032-A38	19/32
5250-112-032-A22	11/32	5250-112-032-A40	5/8
5250-112-032-A24	3/8	5250-112-032-A42	21/32
5250-112-032-A26	13/32	5250-112-032-A44	11/16
5250-112-032-A28	7/16	5250-112-032-A46	23/32
5250-112-032-A30	15/32	5250-112-032-A48	3/4

ERS40 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-112-040-003	3	5250-112-040-015	15
5250-112-040-003.5	3.5	5250-112-040-015.5	15.5
5250-112-040-004	4	5250-112-040-016	16
5250-112-040-004.5	4.5	5250-112-040-016.5	16.5
5250-112-040-005	5	5250-112-040-017	17
5250-112-040-005.5	5.5	5250-112-040-017.5	17.5
5250-112-040-006	6	5250-112-040-018	18
5250-112-040-006.5	6.5	5250-112-040-018.5	18.5
5250-112-040-007	7	5250-112-040-019	19
5250-112-040-007.5	7.5	5250-112-040-019.5	19.5
5250-112-040-008	8	5250-112-040-020	20
5250-112-040-008.5	8.5	5250-112-040-020.5	20.5
5250-112-040-009	9	5250-112-040-021	21
5250-112-040-009.5	9.5	5250-112-040-021.5	21.5
5250-112-040-010	10	5250-112-040-022	22
5250-112-040-010.5	10.5	5250-112-040-022.5	22.5
5250-112-040-011	11	5250-112-040-023	23
5250-112-040-011.5	11.5	5250-112-040-023.5	23.5
5250-112-040-012	12	5250-112-040-024	24
5250-112-040-012.5	12.5	5250-112-040-024.5	24.5
5250-112-040-013	13	5250-112-040-025	25
5250-112-040-013.5	13.5	5250-112-040-025.5	25.5
5250-112-040-014	14	5250-112-040-026	26
5250-112-040-014.5	14.5		

INCHES

5250-112-040-A14	7/32	5250-112-040-A34	17/32
5250-112-040-A16	1/4	5250-112-040-A36	9/16
5250-112-040-A18	9/32	5250-112-040-A38	19/32
5250-112-040-A20	5/16	5250-112-040-A40	5/8
5250-112-040-A22	11/32	5250-112-040-A42	21/32
5250-112-040-A24	3/8	5250-112-040-A44	11/16
5250-112-040-A26	13/32	5250-112-040-A46	23/32
5250-112-040-A28	7/16	5250-112-040-A48	3/4
5250-112-040-A30	15/32	5250-112-040-A56	7/8
5250-112-040-A32	1/2	5250-112-040-A64	1

Features:

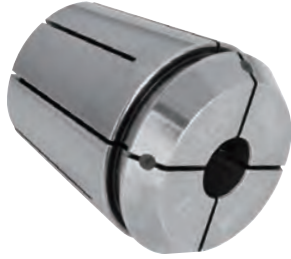
- ▶ Runout accuracy: 10 μ m, R class 7 μ m, UP class 5 μ m, P class 3 μ m.
- ▶ Surface roughness: Ra<0.25 μ m.
- ▶ Used for cutting tools without coolant holes.
- ▶ Water pressure up to 150 kgf/cm²(1400PSI).
- ▶ Only for tool shank with h6 tolerance and no flexible chucking range.



ER - EO SEALED COLLET

ER - EO 止水筒夾

(DIN ISO 15488)



TW PAT NO. M285418

ER11EO		ER20EO		ER25EO		ER32EO		ER40EO			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-115-011-003	3	5250-115-020-003	3	5250-115-025-003	3	5250-115-032-003	3	5250-115-040-003	3	5250-115-040-015	15
5250-115-011-004	4	5250-115-020-004	4	5250-115-025-004	4	5250-115-032-004	4	5250-115-040-004	4	5250-115-040-016	16
5250-115-011-005	5	5250-115-020-005	5	5250-115-025-005	5	5250-115-032-005	5	5250-115-040-005	5	5250-115-040-017	17
5250-115-011-006	6	5250-115-020-006	6	5250-115-025-006	6	5250-115-032-006	6	5250-115-040-006	6	5250-115-040-018	18
5250-115-011-007	7	5250-115-020-007	7	5250-115-025-007	7	5250-115-032-007	7	5250-115-040-007	7	5250-115-040-019	19
INCHES		5250-115-020-008	8	5250-115-025-008	8	5250-115-032-008	8	5250-115-040-008	8	5250-115-040-020	20
5250-115-011-A08	1/8	5250-115-020-009	9	5250-115-025-009	9	5250-115-032-009	9	5250-115-040-009	9	5250-115-040-021	21
5250-115-011-A10	5/32	5250-115-020-010	10	5250-115-025-010	10	5250-115-032-010	10	5250-115-040-010	10	5250-115-040-022	22
5250-115-011-A12	3/16	5250-115-020-011	11	5250-115-025-011	11	5250-115-032-011	11	5250-115-040-011	11	5250-115-040-023	23
5250-115-011-A14	7/32	5250-115-020-012	12	5250-115-025-012	12	5250-115-032-012	12	5250-115-040-012	12	5250-115-040-024	24
5250-115-011-A16	1/4	5250-115-020-013	13	5250-115-025-013	13	5250-115-032-013	13	5250-115-040-013	13	5250-115-040-025	25
5250-115-011-A18	9/32	INCHES		5250-115-025-014	14	5250-115-032-014	14	5250-115-040-014	14	5250-115-040-026	26
		5250-115-020-A08	1/8	5250-115-025-015	15	5250-115-032-015	15	INCHES			
		5250-115-020-A10	5/32	5250-115-025-016	16	5250-115-032-016	16	5250-115-040-A08	1/8	5250-115-040-A32	1/2
		5250-115-020-A12	3/16	INCHES		5250-115-032-017	17	5250-115-040-A10	5/32	5250-115-040-A34	17/32
		5250-115-020-A14	7/32	5250-115-025-A08	1/8	5250-115-032-018	18	5250-115-040-A12	3/16	5250-115-040-A36	9/16
		5250-115-020-A16	1/4	5250-115-025-A10	5/32	5250-115-032-019	19	5250-115-040-A14	7/32	5250-115-040-A38	19/32
		5250-115-020-A18	9/32	5250-115-025-A12	3/16	5250-115-032-020	20	5250-115-040-A16	1/4	5250-115-040-A40	5/8
		5250-115-020-A20	5/16	5250-115-025-A14	7/32	INCHES		5250-115-040-A18	9/32	5250-115-040-A42	21/32
		5250-115-020-A22	11/32	5250-115-025-A16	1/4	5250-115-032-A08	1/8	5250-115-040-A20	5/16	5250-115-040-A44	11/16
		5250-115-020-A24	3/8	5250-115-025-A18	9/32	5250-115-032-A10	5/32	5250-115-040-A22	11/32	5250-115-040-A46	23/32
		5250-115-020-A26	13/32	5250-115-025-A20	5/16	5250-115-032-A12	3/16	5250-115-040-A24	3/8	5250-115-040-A48	3/4
		5250-115-020-A28	7/16	5250-115-025-A22	11/32	5250-115-032-A14	7/32	5250-115-040-A26	13/32	5250-115-040-A56	7/8
		5250-115-020-A30	15/32	5250-115-025-A24	3/8	5250-115-032-A16	1/4	5250-115-040-A28	7/16	5250-115-040-A64	1
		5250-115-020-A32	1/2	5250-115-025-A26	13/32	5250-115-032-A18	9/32	5250-115-040-A30	15/32		
				5250-115-025-A28	7/16	5250-115-032-A20	5/16				
				5250-115-025-A30	15/32	5250-115-032-A22	11/32				
				5250-115-025-A32	1/2	5250-115-032-A24	3/8				
				5250-115-025-A34	17/32	5250-115-032-A26	13/32				
				5250-115-025-A36	9/16	5250-115-032-A28	7/16				
				5250-115-025-A38	19/32	5250-115-032-A30	15/32				
				5250-115-025-A40	5/8	5250-115-032-A32	1/2				
						5250-115-032-A34	17/32				
						5250-115-032-A36	9/16				
						5250-115-032-A38	19/32				
						5250-115-032-A40	5/8				
						5250-115-032-A42	21/32				
						5250-115-032-A44	11/16				
						5250-115-032-A46	23/32				
						5250-115-032-A48	3/4				

Features:

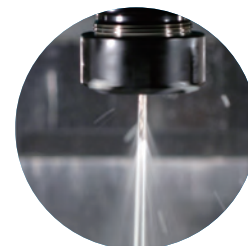
- ▶ Runout accuracy: 15µm, A class 10µm, UP class 5µm.
- ▶ Used for coolant-through cutting tools.
- ▶ The design is to use O-rings to seal and achieve coolant through tools.
- ▶ Water pressure up to 50 kgf/cm².
- ▶ Patent-owned.

ER COOLANT COLLET

FID TYPE

ER - FID 出水筒夾

(DIN ISO 15488)



TW PAT NO. M362073

ER16 - FID		ER25 - FID		ER32 - FID		ER40 - FID			
MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE	MODEL NO.	SIZE
5250-126-016-003	3	5250-126-025-003	3	5250-126-032-003	3	5250-126-040-004	4	5250-126-040-016	16
5250-126-016-004	4	5250-126-025-004	4	5250-126-032-004	4	5250-126-040-005	5	5250-126-040-017	17
5250-126-016-005	5	5250-126-025-005	5	5250-126-032-005	5	5250-126-040-006	6	5250-126-040-018	18
5250-126-016-006	6	5250-126-025-006	6	5250-126-032-006	6	5250-126-040-007	7	5250-126-040-019	19
5250-126-016-007	7	5250-126-025-007	7	5250-126-032-007	7	5250-126-040-008	8	5250-126-040-020	20
5250-126-016-008	8	5250-126-025-008	8	5250-126-032-008	8	5250-126-040-009	9	5250-126-040-021	21
5250-126-016-009	9	5250-126-025-009	9	5250-126-032-009	9	5250-126-040-010	10	5250-126-040-022	22
INCHES		5250-126-025-010	10	5250-126-032-010	10	5250-126-040-011	11	5250-126-040-023	23
5250-126-016-A08	1/8	5250-126-025-011	11	5250-126-032-011	11	5250-126-040-012	12	5250-126-040-024	24
5250-126-016-A10	5/32	5250-126-025-012	12	5250-126-032-012	12	5250-126-040-013	13	5250-126-040-025	25
5250-126-016-A12	3/16	5250-126-025-013	13	5250-126-032-013	13	5250-126-040-014	14	5250-126-040-026	26
5250-126-016-A14	7/32	5250-126-025-014	14	5250-126-032-014	14	5250-126-040-015	15	INCHES	
5250-126-016-A16	1/4	5250-126-025-015	15	5250-126-032-015	15	5250-126-040-A10	5/32	5250-126-040-A32	1/2
5250-126-016-A18	9/32	5250-126-025-016	16	5250-126-032-016	16	5250-126-040-A12	3/16	5250-126-040-A34	17/32
5250-126-016-A20	5/16	INCHES		5250-126-032-017	17	5250-126-040-A14	7/32	5250-126-040-A36	9/16
		5250-126-025-A08	1/8	5250-126-032-018	18	5250-126-040-A16	1/4	5250-126-040-A38	19/32
		5250-126-025-A10	5/32	5250-126-032-019	19	5250-126-040-A18	9/32	5250-126-040-A40	5/8
		5250-126-025-A12	3/16	5250-126-032-020	20	5250-126-040-A20	5/16	5250-126-040-A42	21/32
		5250-126-025-A14	7/32	INCHES		5250-126-040-A22	11/32	5250-126-040-A44	11/16
		5250-126-025-A16	1/4	5250-126-032-A08	1/8	5250-126-040-A24	3/8	5250-126-040-A46	23/32
		5250-126-025-A18	9/32	5250-126-032-A10	5/32	5250-126-040-A26	13/32	5250-126-040-A48	3/4
		5250-126-025-A20	5/16	5250-126-032-A12	3/16	5250-126-040-A28	7/16	5250-126-040-A56	7/8
		5250-126-025-A22	11/32	5250-126-032-A14	7/32	5250-126-040-A30	15/32	5250-126-040-A64	1
		5250-126-025-A24	3/8	5250-126-032-A16	1/4				
		5250-126-025-A26	13/32	5250-126-032-A18	9/32				
		5250-126-025-A28	7/16	5250-126-032-A20	5/16				
		5250-126-025-A30	15/32	5250-126-032-A22	11/32				
		5250-126-025-A32	1/2	5250-126-032-A24	3/8				
		5250-126-025-A34	17/32	5250-126-032-A26	13/32				
		5250-126-025-A36	9/16	5250-126-032-A28	7/16				
				5250-126-032-A30	15/32				
				5250-126-032-A32	1/2				
				5250-126-032-A34	17/32				
				5250-126-032-A36	9/16				
				5250-126-032-A38	19/32				
				5250-126-032-A40	5/8				
				5250-126-032-A42	21/32				
				5250-126-032-A44	11/16				
				5250-126-032-A46	23/32				
				5250-126-032-A48	3/4				

Features:

- ▶ Runout accuracy: 15 μ m, A class 10 μ m, UP class 5 μ m.
- ▶ The design of coolant grooves is good for cooling and metal chips removal, extending tool life.
- ▶ Water pressure up to 50kgf/cm².
- ▶ Used for cutting tools without coolant holes.



ER COOLANT COLLET FOD TYPE

ER - FOD 出水筒夾

(DIN ISO 15488)



TW PAT NO. M337439
CN PAT NO. ZL200720007536.1
CN PAT NO. ZL200820102788.7

ER16 - FOD	
MODEL NO.	SIZE
5250-127-016-003	3
5250-127-016-004	4
5250-127-016-005	5
5250-127-016-006	6
5250-127-016-007	7
INCHES	
5250-127-016-A08	1/8
5250-127-016-A10	5/32
5250-127-016-A12	3/16
5250-127-016-A14	7/32
5250-127-016-A16	1/4
5250-127-016-A18	9/32
5250-127-016-A20	5/16

ER20 - FOD	
MODEL NO.	SIZE
5250-127-020-003	3
5250-127-020-004	4
5250-127-020-005	5
5250-127-020-006	6
5250-127-020-007	7
5250-127-020-008	8
5250-127-020-009	9
INCHES	
5250-127-020-A08	1/8
5250-127-020-A10	5/32
5250-127-020-A12	3/16
5250-127-020-A14	7/32
5250-127-020-A16	1/4
5250-127-020-A18	9/32
5250-127-020-A20	5/16
5250-127-020-A22	11/32
5250-127-020-A24	3/8

ER25 - FOD	
MODEL NO.	SIZE
5250-127-025-003	3
5250-127-025-004	4
5250-127-025-005	5
5250-127-025-006	6
5250-127-025-007	7
5250-127-025-008	8
5250-127-025-009	9
5250-127-025-010	10
5250-127-025-011	11
5250-127-025-012	12
5250-127-025-013	13
5250-127-025-014	14
INCHES	
5250-127-025-A08	1/8
5250-127-025-A10	5/32
5250-127-025-A12	3/16
5250-127-025-A14	7/32
5250-127-025-A16	1/4
5250-127-025-A18	9/32
5250-127-025-A20	5/16
5250-127-025-A22	11/32
5250-127-025-A24	3/8
5250-127-025-A26	13/32
5250-127-025-A28	7/16
5250-127-025-A30	15/32
5250-127-025-A32	1/2
5250-127-025-A34	17/32
5250-127-025-A36	9/16

ER32 - FOD	
MODEL NO.	SIZE
5250-127-032-003	3
5250-127-032-004	4
5250-127-032-005	5
5250-127-032-006	6
5250-127-032-007	7
5250-127-032-008	8
5250-127-032-009	9
5250-127-032-010	10
5250-127-032-011	11
5250-127-032-012	12
5250-127-032-013	13
5250-127-032-014	14
5250-127-032-015	15
5250-127-032-016	16
5250-127-032-017	17
5250-127-032-018	18
5250-127-032-019	19
5250-127-032-020	20
INCHES	
5250-127-032-A08	1/8
5250-127-032-A10	5/32
5250-127-032-A12	3/16
5250-127-032-A14	7/32
5250-127-032-A16	1/4
5250-127-032-A18	9/32
5250-127-032-A20	5/16
5250-127-032-A22	11/32
5250-127-032-A24	3/8
5250-127-032-A26	13/32
5250-127-032-A28	7/16
5250-127-032-A30	15/32
5250-127-032-A32	1/2
5250-127-032-A34	17/32
5250-127-032-A36	9/16
5250-127-032-A38	19/32
5250-127-032-A40	5/8
5250-127-032-A42	21/32
5250-127-032-A44	11/16
5250-127-032-A46	23/32
5250-127-032-A48	3/4

ER40 - FOD	
MODEL NO.	SIZE
5250-127-040-004	4
5250-127-040-005	5
5250-127-040-006	6
5250-127-040-007	7
5250-127-040-008	8
5250-127-040-009	9
5250-127-040-010	10
5250-127-040-011	11
5250-127-040-012	12
5250-127-040-013	13
5250-127-040-014	14
5250-127-040-015	15
INCHES	
5250-127-040-A10	5/32
5250-127-040-A12	3/16
5250-127-040-A14	7/32
5250-127-040-A16	1/4
5250-127-040-A18	9/32
5250-127-040-A20	5/16
5250-127-040-A22	11/32
5250-127-040-A24	3/8
5250-127-040-A26	13/32
5250-127-040-A28	7/16
5250-127-040-A30	15/32
INCHES	
5250-127-050-006	6
5250-127-050-007	7
5250-127-050-008	8
5250-127-050-009	9
5250-127-050-010	10
5250-127-050-011	11
5250-127-050-012	12
5250-127-050-013	13
5250-127-050-014	14
5250-127-050-015	15
5250-127-050-016	16
5250-127-050-017	17
5250-127-050-018	18
5250-127-050-019	19
5250-127-050-020	20
INCHES	
5250-127-050-A16	1/4
5250-127-050-A18	9/32
5250-127-050-A20	5/16
5250-127-050-A22	11/32
5250-127-050-A24	3/8
5250-127-050-A26	13/32
5250-127-050-A28	7/16
5250-127-050-A30	15/32
5250-127-050-A32	1/2
5250-127-050-A34	17/32
5250-127-050-A36	9/16
5250-127-050-A38	19/32

ER40 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-127-040-016	16	5250-127-040-017	17
5250-127-040-018	18	5250-127-040-019	19
5250-127-040-020	20	5250-127-040-021	21
5250-127-040-022	22	5250-127-040-023	23
5250-127-040-024	24	5250-127-040-025	25
5250-127-040-026	26		

ER50 - FOD			
MODEL NO.	SIZE	MODEL NO.	SIZE
5250-127-050-021	21	5250-127-050-022	22
5250-127-050-023	23	5250-127-050-024	24
5250-127-050-025	25	5250-127-050-026	26
5250-127-050-027	27	5250-127-050-028	28
5250-127-050-029	29	5250-127-050-030	30
5250-127-050-031	31	5250-127-050-032	32
5250-127-050-033	33	5250-127-050-034	34
5250-127-050-035	35		
5250-127-050-036	36		
5250-127-050-037	37		
5250-127-050-038	38		
5250-127-050-039	39		
5250-127-050-040	40		
5250-127-050-041	41		
5250-127-050-042	42		
5250-127-050-043	43		
5250-127-050-044	44		
5250-127-050-045	45		
5250-127-050-046	46		
5250-127-050-047	47		
5250-127-050-048	48		
5250-127-050-049	49		
5250-127-050-050	50		

Features:

- ▶ Runout accuracy: 15μm, A class 10μm, UP class 5μm.
- ▶ The design of coolant holes is good for cooling and metal chips removal, extending tool life.
- ▶ Water pressure up to 50kgf/cm².
- ▶ Used for cutting tools without coolant holes.



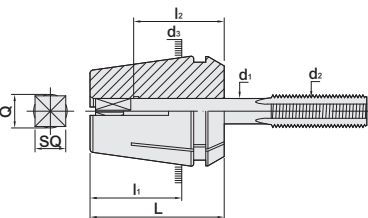
ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



台灣精品 2007
TAIWAN EXCELLENCE



TW PAT NO. M148435
TW PAT NO. M333253
CH PAT NO. 693702
CN PAT NO. ZL200820102787.2

ER - TC16

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-016-11	2.24	2	M3	1.8	18	ISO-529	5250-116-016-22	6	5.09	M5	4.9	18	DIN-352
5250-116-016-12	2.5	2.2	M3.5	2.1	18	DIN-376	5250-116-016-22	6	5.09	M5	4.9	18	DIN-371
5250-116-016-12	2.5	2.2	M3.5	2	18	ISO-529	5250-116-016-22	6	5.09	M6	4.5	18	JIS
5250-116-016-13	2.8	2.6	M4	2.1	18	DIN-376	5250-116-016-22	6	5.09	M6	4.9	18	DIN-352
5250-116-016-14	3.15	2.9	M3	2.5	18	ISO-529	5250-116-016-22	6	5.09	M6	4.9	18	DIN-371
5250-116-016-14	3.15	2.9	M4	2.5	18	ISO-529	5250-116-016-22	6	5.09	M8	4.9	18	DIN-352
5250-116-016-15	3.5	3.3	M3	2.7	18	DIN-352	5250-116-016-22	6	5.09	M8	4.9	18	DIN-376
5250-116-016-15	3.5	3.3	M3	2.7	18	DIN-371	5250-116-016-24	6.2	5.21	M7	5	18	JIS
5250-116-016-16	3.55	3.3	M3.5	2.8	18	ISO-529	5250-116-016-24	6.2	5.21	M8	5	18	JIS
5250-116-016-16	3.55	3.3	M4.5	2.8	18	ISO-529	5250-116-016-25	6.3	5.21	M6	5	18	ISO-529
5250-116-016-17	4	3.8	M3	3.2	18	JIS	5250-116-016-25	6.3	5.21	M8	5	18	ISO-529
5250-116-016-17	4	3.8	M3.5	3	18	DIN-352	5250-116-016-26	7	5.84	M9	5.5	18	JIS
5250-116-016-17	4	3.8	M3.5	3	18	DIN-371	5250-116-016-26	7	5.84	M10	5.5	18	JIS
5250-116-016-17	4	3.8	M4	3.15	18	ISO-529	5250-116-016-26	7	5.84	M10	5.5	18	DIN-352
5250-116-016-17	4	3.8	M5	3.15	18	ISO-529	5250-116-016-26	7	5.84	M10	5.5	18	DIN-376
5250-116-016-18	4.5	4.0	M4	3.4	18	DIN-352	5250-116-016-27	8	6.88	M8	6.2	22	DIN-371
5250-116-016-18	4.5	4	M4	3.4	18	DIN-371	5250-116-016-27	8	6.88	M8	6.3	22	ISO-529
5250-116-016-18	4.5	4	M6	3.4	18	DIN-376	5250-116-016-27	8	6.88	M10	6.3	22	ISO-529
5250-116-016-18	4.5	4	M6	3.55	18	ISO-529	5250-116-016-27	8	6.88	M11	6	22	JIS
5250-116-016-20	5	4.7	M4	4	18	JIS	5250-116-016-28	8.5	7.14	M12	6.5	22	JIS
5250-116-016-20	5	4.7	M4.5	4	18	JIS	5250-116-016-29	9	7.95	M12	7	22	DIN-352
5250-116-016-20	5	4.7	M5	4	18	ISO-529	5250-116-016-29	9	7.95	M12	7	22	DIN-376
5250-116-016-21	5.5	4.73	M5	4.5	18	JIS	5250-116-016-29	9	7.95	M12	7.1	22	ISO-529
5250-116-016-21	5.5	4.73	M5.5	4.5	18	JIS	5250-116-016-30	10	9.16	M10	8	22	DIN-371
							5250-116-016-30	10	9.16	M10	8	22	ISO-529

INCHES

5250-116-016-02	0.168	0.151	5/32	0.131	0.709	-	5250-116-016-04	0.220	0.198	7/32	0.165	0.709	-
5250-116-016-03	0.194	0.180	3/16	0.152	0.709	-	5250-116-016-05	0.255	0.198	1/4	0.191	0.709	-

ER - TC20

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-020-12	2.24	2	M3	1.8	18	ISO-529	5250-116-020-23	6	5.09	M8	4.9	18	DIN-352
5250-116-020-13	2.5	2.2	M3.5	2.1	18	DIN-376	5250-116-020-23	6	5.09	M8	4.9	18	DIN-376
5250-116-020-13	2.5	2.2	M3.5	2	18	ISO-529	5250-116-020-24	6.2	5.21	M7	5	18	JIS
5250-116-020-14	2.8	2.6	M4	2.1	18	DIN-376	5250-116-020-24	6.2	5.21	M8	5	18	JIS
5250-116-020-15	3.15	2.9	M3	2.5	18	ISO-529	5250-116-020-25	6.3	5.21	M6	5	18	ISO-529
5250-116-020-15	3.15	2.9	M4	2.5	18	ISO-529	5250-116-020-25	6.3	5.21	M8	5	18	ISO-529
5250-116-020-16	3.5	3.3	M3	2.7	18	DIN-352	5250-116-020-26	7	5.84	M9	5.5	18	JIS
5250-116-020-16	3.5	3.3	M3	2.7	18	DIN-371	5250-116-020-26	7	5.84	M10	5.5	18	JIS
5250-116-020-16	3.5	3.3	M5	2.7	18	DIN-376	5250-116-020-26	7	5.84	M10	5.5	18	DIN-352
5250-116-020-17	3.55	3.3	M3.5	2.8	18	ISO-529	5250-116-020-26	7	5.84	M10	5.5	18	DIN-376
5250-116-020-17	3.55	3.3	M4.5	2.8	18	ISO-529	5250-116-020-27	8	6.88	M8	6.2	22	DIN-371
5250-116-020-18	4	3.8	M3	3.2	18	JIS	5250-116-020-27	8	6.88	M8	6.3	22	ISO-529
5250-116-020-18	4	3.8	M3.5	3	18	DIN-352	5250-116-020-27	8	6.88	M10	6.3	22	ISO-529
5250-116-020-18	4	3.8	M3.5	3	18	DIN-371	5250-116-020-27	8	6.88	M11	6	22	JIS
5250-116-020-18	4	3.8	M4	3.15	18	ISO-529	5250-116-020-28	8.5	7.14	M12	6.5	22	JIS
5250-116-020-18	4	3.8	M5	3.15	18	ISO-529	5250-116-020-29	9	7.95	M12	7	22	DIN-352
5250-116-020-19	4.5	4.0	M4	3.4	18	DIN-352	5250-116-020-29	9	7.95	M12	7	22	DIN-376
5250-116-020-19	4.5	4.0	M4	3.4	18	DIN-371	5250-116-020-29	9	7.95	M12	7.1	22	ISO-529
5250-116-020-19	4.5	4.0	M6	3.4	18	DIN-376	5250-116-020-30	10	9.16	M10	8	22	DIN-371
5250-116-020-19	4.5	4.0	M6	3.55	18	ISO-529	5250-116-020-30	10	9.16	M10	8	22	ISO-529
5250-116-020-21	5	4.7	M4	4	18	JIS	5250-116-020-31	10.5	9.16	M14	8	25	JIS
5250-116-020-21	5	4.7	M4.5	4	18	JIS	5250-116-020-31	10.5	9.16	M15	8	25	JIS
5250-116-020-21	5	4.7	M5	4	18	ISO-529	5250-116-020-32	11	10.53	M14	9	25	DIN-352
5250-116-020-22	5.5	4.73	M5	4.5	18	JIS	5250-116-020-32	11	10.53	M14	9	25	DIN-376
5250-116-020-22	5.5	4.73	M5.5	4.5	18	JIS	5250-116-020-33	11.2	10.53	M14	9	25	ISO-529
5250-116-020-23	6	5.09	M5	4.9	18	DIN-352	5250-116-020-34	12	10.53	M16	9	25	DIN-352
5250-116-020-23	6	5.09	M5	4.9	18	DIN-371	5250-116-020-34	12	10.53	M16	9	25	DIN-376
5250-116-020-23	6	5.09	M6	4.5	18	JIS	5250-116-020-35	12.5	11.91	M16	10	25	JIS
5250-116-020-23	6	5.09	M6	4.9	18	DIN-352	5250-116-020-35	12.5	11.91	M16	10	25	ISO-529
5250-116-020-23	6	5.09	M6	4.9	18	DIN-371	5250-116-020-36	13	11.91	M17	10	25	JIS

INCHES

5250-116-020-02	0.168	0.151	5/32	0.131	0.709	-	5250-116-020-07	0.323	0.263	7/16	0.242	0.866	-
5250-116-020-03	0.194	0.180	3/16	0.152	0.709	-	5250-116-020-08	0.367	0.307	1/2	0.275	0.866	-
5250-116-020-04	0.220	0.198	7/32	0.165	0.709	-	5250-116-020-09	0.381	0.321	3/8	0.286	0.866	-
5250-116-020-05	0.255	0.198	1/4	0.191	0.709	-	5250-116-020-10	0.429	0.37	9/16	0.322	0.984	-
5250-116-020-06	0.318	0.258	5/16	0.238	0.866	-							



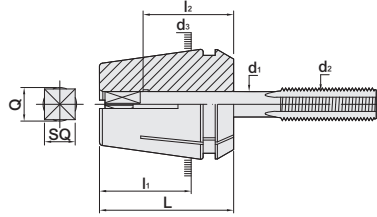
ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



台灣精品 2007
TAIWAN EXCELLENCE



TW PAT NO. M148435
TW PAT NO. M333253
CH PAT NO. 693702
CN PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

ER - TC25

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-025-17	2.24	2	M3	1.8	18	ISO-529	5250-116-025-31	6.3	5.21	M8	5	18	ISO-529
5250-116-025-18	2.5	2.2	M3.5	2.1	18	DIN-376	5250-116-025-32	7	5.84	M9	5.5	18	JIS
5250-116-025-18	2.5	2.2	M3.5	2	18	ISO-529	5250-116-025-32	7	5.84	M10	5.5	18	JIS
5250-116-025-19	2.8	2.6	M4	2.1	18	DIN-376	5250-116-025-32	7	5.84	M10	5.5	18	DIN-352
5250-116-025-20	3.15	2.9	M3	2.5	18	ISO-529	5250-116-025-32	7	5.84	M10	5.5	18	DIN-376
5250-116-025-20	3.15	2.9	M4	2.5	18	ISO-529	5250-116-025-33	8	6.88	M8	6.2	22	DIN-371
5250-116-025-21	3.5	3.3	M3	2.7	18	DIN-352	5250-116-025-33	8	6.88	M8	6.3	22	ISO-529
5250-116-025-21	3.5	3.3	M3	2.7	18	DIN-371	5250-116-025-33	8	6.88	M10	6.3	22	ISO-529
5250-116-025-21	3.5	3.3	M5	2.7	18	DIN-376	5250-116-025-33	8	6.88	M11	6	22	JIS
5250-116-025-22	3.55	3.3	M3.5	2.8	18	ISO-529	5250-116-025-34	8.5	7.14	M12	6.5	22	JIS
5250-116-025-22	3.55	3.3	M4.5	2.8	18	ISO-529	5250-116-025-35	9	7.95	M12	7	22	DIN-352
5250-116-025-23	4	3.8	M3	3.2	18	JIS	5250-116-025-35	9	7.95	M12	7	22	DIN-376
5250-116-025-23	4	3.8	M3.5	3	18	DIN-352	5250-116-025-35	9	7.95	M12	7.1	22	ISO-529
5250-116-025-23	4	3.8	M3.5	3	18	DIN-371	5250-116-025-36	10	9.16	M10	8	22	DIN-371
5250-116-025-23	4	3.8	M4	3.15	18	ISO-529	5250-116-025-36	10	9.16	M10	8	22	ISO-529
5250-116-025-23	4	3.8	M5	3.15	18	ISO-529	5250-116-025-37	10.5	9.16	M14	8	25	JIS
5250-116-025-24	4.5	4.0	M4	3.4	18	DIN-352	5250-116-025-37	10.5	9.16	M15	8	25	JIS
5250-116-025-24	4.5	4.0	M4	3.4	18	DIN-371	5250-116-025-38	11	10.53	M14	9	25	DIN-352
5250-116-025-24	4.5	4.0	M6	3.4	18	DIN-376	5250-116-025-38	11	10.53	M14	9	25	DIN-376
5250-116-025-24	4.5	4.0	M6	3.55	18	ISO-529	5250-116-025-39	11.2	10.53	M14	9	25	ISO-529
5250-116-025-26	5	4.7	M4	4	18	JIS	5250-116-025-40	12	10.53	M16	9	25	DIN-352
5250-116-025-26	5	4.7	M4.5	4	18	JIS	5250-116-025-40	12	10.53	M16	9	25	DIN-376
5250-116-025-26	5	4.7	M5	4	18	ISO-529	5250-116-025-41	12.5	11.91	M16	10	25	JIS
5250-116-025-27	5.5	4.73	M5	4.5	18	JIS	5250-116-025-41	12.5	11.91	M16	10	25	ISO-529
5250-116-025-27	5.5	4.73	M5.5	4.5	18	JIS	5250-116-025-42	13	11.91	M17	10	25	JIS
5250-116-025-28	6	5.09	M5	4.9	18	DIN-352	5250-116-025-43	14	12.97	M18	11	25	JIS
5250-116-025-28	6	5.09	M5	4.9	18	DIN-371	5250-116-025-43	14	12.97	M18	11	25	DIN-352
5250-116-025-28	6	5.09	M6	4.5	18	JIS	5250-116-025-43	14	12.97	M18	11	25	DIN-376
5250-116-025-28	6	5.09	M6	4.9	18	DIN-352	5250-116-025-43	14	12.97	M18	11.2	25	ISO-529
5250-116-025-28	6	5.09	M6	4.9	18	DIN-371	5250-116-025-43	14	12.97	M20	11.2	25	ISO-529
5250-116-025-28	6	5.09	M8	4.9	18	DIN-352	5250-116-025-44	15	14.06	M20	12	25	JIS
5250-116-025-28	6	5.09	M8	4.9	18	DIN-376	5250-116-025-45	16	14.8	M20	12	25	DIN-352
5250-116-025-30	6.2	5.21	M7	5	18	JIS	5250-116-025-45	16	14.8	M20	12	25	DIN-376
5250-116-025-30	6.2	5.21	M8	5	18	JIS	5250-116-025-45	16	14.8	M22	12.5	25	ISO-529
5250-116-025-31	6.3	5.21	M6	5	18	ISO-529							

INCHES

5250-116-025-02	0.168	0.151	5/32	0.131	0.709	-	5250-116-025-10	0.367	0.307	1/2	0.275	0.866	-
5250-116-025-03	0.194	0.180	3/16	0.152	0.709	-	5250-116-025-11	0.381	0.321	3/8	0.286	0.866	-
5250-116-025-04	0.220	0.198	7/32	0.165	0.709	-	5250-116-025-12	0.429	0.370	9/16	0.322	0.984	-
5250-116-025-05	0.255	0.198	1/4	0.191	0.709	-	5250-116-025-13	0.437	0.378	1/8 PT	0.328	0.984	-
5250-116-025-07	0.318	0.258	5/16	0.238	0.866	-	5250-116-025-14	0.480	0.422	5/8	0.360	0.984	-
5250-116-025-08	0.323	0.263	7/16	0.242	0.866	-							



ER - TC RIGID TAP COLLET

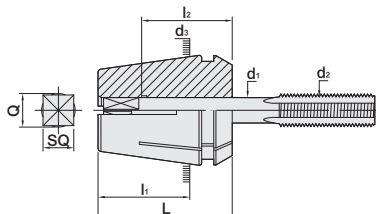


台灣精品2007
TAIWAN EXCELLENCE



TW PAT NO. M148435
TW PAT NO. M333253
CH PAT NO. 693702
CN PAT NO. ZL200820102787.2

ER 鋼性攻牙筒夾



TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

ER - TC32

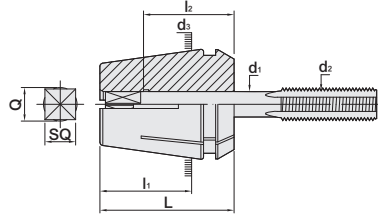
MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-032-23	2.24	2	M3	1.8	18	ISO-529	5250-116-032-37	7	5.84	M10	5.5	18	DIN-376
5250-116-032-24	2.5	2.2	M3.5	2.1	18	DIN-376	5250-116-032-38	8	6.88	M8	6.2	22	DIN-371
5250-116-032-24	2.5	2.2	M3.5	2	18	ISO-529	5250-116-032-38	8	6.88	M8	6.3	22	ISO-529
5250-116-032-25	2.8	2.6	M4	2.1	18	DIN-376	5250-116-032-38	8	6.88	M10	6.3	22	ISO-529
5250-116-032-26	3.15	2.9	M3	2.5	18	ISO-529	5250-116-032-38	8	6.88	M11	6	22	JIS
5250-116-032-26	3.15	2.9	M4	2.5	18	ISO-529	5250-116-032-39	8.5	7.14	M12	6.5	22	JIS
5250-116-032-27	3.5	3.3	M3	2.7	18	DIN-352	5250-116-032-40	9	7.95	M12	7	22	DIN-352
5250-116-032-27	3.5	3.3	M3	2.7	18	DIN-371	5250-116-032-40	9	7.95	M12	7	22	DIN-376
5250-116-032-27	3.5	3.3	M5	2.7	18	DIN-376	5250-116-032-40	9	7.95	M12	7.1	22	ISO-529
5250-116-032-28	3.55	3.3	M3.5	2.8	18	ISO-529	5250-116-032-41	10	9.16	M10	8	22	DIN-371
5250-116-032-28	3.55	3.3	M4.5	2.8	18	ISO-529	5250-116-032-41	10	9.16	M10	8	22	ISO-529
5250-116-032-29	4	3.8	M3	3.2	18	JIS	5250-116-032-42	10.5	9.16	M14	8	25	JIS
5250-116-032-29	4	3.8	M3.5	3	18	DIN-352	5250-116-032-42	10.5	9.16	M15	8	25	JIS
5250-116-032-29	4	3.8	M3.5	3	18	DIN-371	5250-116-032-43	11	10.53	M14	9	25	DIN-352
5250-116-032-29	4	3.8	M4	3.15	18	ISO-529	5250-116-032-43	11	10.53	M14	9	25	DIN-376
5250-116-032-29	4	3.8	M5	3.15	18	ISO-529	5250-116-032-44	11.2	10.53	M14	9	25	ISO-529
5250-116-032-30	4.5	4.0	M4	3.4	18	DIN-352	5250-116-032-45	12	10.53	M16	9	25	DIN-352
5250-116-032-30	4.5	4.0	M4	3.4	18	DIN-371	5250-116-032-45	12	10.53	M16	9	25	DIN-376
5250-116-032-30	4.5	4.0	M6	3.4	18	DIN-376	5250-116-032-46	12.5	11.91	M16	10	25	JIS
5250-116-032-30	4.5	4.0	M6	3.55	18	ISO-529	5250-116-032-46	12.5	11.91	M16	10	25	ISO-529
5250-116-032-32	5	4.7	M4	4	18	JIS	5250-116-032-47	13	11.91	M17	10	25	JIS
5250-116-032-32	5	4.7	M4.5	4	18	JIS	5250-116-032-48	14	12.97	M18	11	25	JIS
5250-116-032-32	5	4.7	M5	4	18	ISO-529	5250-116-032-48	14	12.97	M18	11	25	DIN-352
5250-116-032-33	5.5	4.73	M5	4.5	18	JIS	5250-116-032-48	14	12.97	M18	11	25	DIN-376
5250-116-032-33	5.5	4.73	M5.5	4.5	18	JIS	5250-116-032-48	14	12.97	M18	11.2	25	ISO-529
5250-116-032-34	6	5.09	M5	4.9	18	DIN-352	5250-116-032-48	14	12.97	M20	11.2	25	ISO-529
5250-116-032-34	6	5.09	M5	4.9	18	DIN-371	5250-116-032-49	15	14.06	M20	12	25	JIS
5250-116-032-34	6	5.09	M6	4.5	18	JIS	5250-116-032-50	16	14.8	M20	12	25	DIN-352
5250-116-032-34	6	5.09	M6	4.9	18	DIN-352	5250-116-032-50	16	14.8	M20	12	25	DIN-376
5250-116-032-34	6	5.09	M6	4.9	18	DIN-371	5250-116-032-50	16	14.8	M22	12.5	25	ISO-529
5250-116-032-34	6	5.09	M8	4.9	18	DIN-352	5250-116-032-51	17	15.44	M22	13	28	JIS
5250-116-032-34	6	5.09	M8	4.9	18	DIN-376	5250-116-032-52	18	17.52	M22	14.5	28	DIN-352
5250-116-032-35	6.2	5.21	M7	5	18	JIS	5250-116-032-52	18	17.52	M22	14.5	28	DIN-376
5250-116-032-35	6.2	5.21	M8	5	18	JIS	5250-116-032-52	18	17.52	M24	14.5	28	DIN-352
5250-116-032-36	6.3	5.21	M6	5	18	ISO-529	5250-116-032-52	18	17.52	M24	14.5	28	DIN-376
5250-116-032-36	6.3	5.21	M8	5	18	ISO-529	5250-116-032-52	18	17.52	M24	14	28	ISO-529
5250-116-032-37	7	5.84	M9	5.5	18	JIS	5250-116-032-53	19	18.22	M24	15	28	JIS
5250-116-032-37	7	5.84	M10	5.5	18	JIS	5250-116-032-53	19	18.22	M25	15	28	JIS
5250-116-032-37	7	5.84	M10	5.5	18	DIN-352	5250-116-032-54	20	19.61	M26	15	28	JIS
5250-116-032-37	7	5.84	M10	5.5	18	DIN-352	5250-116-032-54	20	19.61	M27	15	28	JIS



ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



TW PAT NO. M148435
 TW PAT NO. M333253
 CH PAT NO. 693702
 CN PAT NO. ZL200820102787.2

ER - TC32 INCHES

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.02
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.14
ER 40	40	46	31.34	M3 ~ M27	0.24
ER 50	50	60	38.9	M10 ~ M33	0.44

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂
5250-116-032-03	0.168	0.151	5/32	0.131	0.709	5250-116-032-13	0.429"	0.370"	9/16	0.322"	0.984
5250-116-032-04	0.194	0.180	3/16	0.152	0.709	5250-116-032-14	0.437"	0.378"	1/8 PT	0.328"	1.102
5250-116-032-05	0.220	0.198	7/32	0.165	0.709	5250-116-032-15	0.480"	0.422"	5/8	0.360"	1.102
5250-116-032-06	0.255	0.198	1/4	0.191	0.709	5250-116-032-16	0.542"	0.486"	11/16	0.406"	1.102
5250-116-032-09	0.318	0.258	5/16	0.238	0.866	5250-116-032-17	0.562"	0.483"	1/4 PT	0.421"	1.102
5250-116-032-10	0.323	0.263	7/16	0.242	0.866	5250-116-032-18	0.590"	0.512"	3/4	0.442"	1.102
5250-116-032-11	0.367	0.307	1/2	0.275	0.866	5250-116-032-20	0.652"	0.576"	13/16	0.489"	1.102
5250-116-032-12	0.381	0.321	3/8	0.286	0.866						

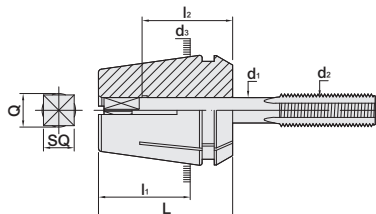
Features:

- ▶ To clamp a tap by the slots size differential.
- ▶ This product is workable as long as d₁ size (shank dia. of tap) matches collet ID (patented design).
- ▶ When making an order, please inform collet type and the size of d₁ (shank dia. of tap).

ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



TW PAT NO. M148435
 TW PAT NO. M333253
 CH PAT NO. 693702
 CN PAT NO. ZL200820102787.2

TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.03
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.10
ER 40	40	46	31.34	M3 ~ M27	0.25
ER 50	50	60	38.9	M10 ~ M33	0.45

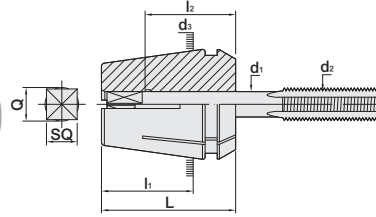
ER - TC40

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-040-34	2.24	2	M3	1.8	18	ISO-529	5250-116-040-47	7	5.84	M10	5.5	18	DIN-376
5250-116-040-35	2.5	2.2	M3.5	2.1	18	DIN-376	5250-116-040-48	8	6.88	M8	6.2	22	DIN-371
5250-116-040-35	2.5	2.2	M3.5	2	18	ISO-529	5250-116-040-48	8	6.88	M8	6.3	22	ISO-529
5250-116-040-36	2.8	2.6	M4	2.1	18	DIN-376	5250-116-040-48	8	6.88	M10	6.3	22	ISO-529
5250-116-040-37	3.15	2.9	M3	2.5	18	ISO-529	5250-116-040-48	8	6.88	M11	6	22	JIS
5250-116-040-37	3.15	2.9	M4	2.5	18	ISO-529	5250-116-040-49	8.5	7.14	M12	6.5	22	JIS
5250-116-040-38	3.5	3.3	M3	2.7	18	DIN-352	5250-116-040-50	9	7.95	M12	7	22	DIN-352
5250-116-040-38	3.5	3.3	M3	2.7	18	DIN-371	5250-116-040-50	9	7.95	M12	7	22	DIN-376
5250-116-040-38	3.5	3.3	M5	2.7	18	DIN-376	5250-116-040-50	9	7.95	M12	7.1	22	ISO-529
5250-116-040-39	3.55	3.3	M3.5	2.8	18	ISO-529	5250-116-040-51	10	9.16	M10	8	22	DIN-371
5250-116-040-39	3.55	3.3	M4.5	2.8	18	ISO-529	5250-116-040-51	10	9.16	M10	8	22	ISO-529
5250-116-040-40	4	3.8	M3	3.2	18	JIS	5250-116-040-52	10.5	9.16	M14	8	25	JIS
5250-116-040-40	4	3.8	M3.5	3	18	DIN-352	5250-116-040-52	10.5	9.16	M15	8	25	JIS
5250-116-040-40	4	3.8	M3.5	3	18	DIN-371	5250-116-040-53	11	10.53	M14	9	25	DIN-352
5250-116-040-40	4	3.8	M4	3.15	18	ISO-529	5250-116-040-53	11	10.53	M14	9	25	DIN-376
5250-116-040-40	4	3.8	M5	3.15	18	ISO-529	5250-116-040-54	11.2	10.53	M14	9	25	ISO-529
5250-116-040-41	4.5	4	M4	3.4	18	DIN-352	5250-116-040-55	12	10.53	M16	9	25	DIN-352
5250-116-040-41	4.5	4	M4	3.4	18	DIN-371	5250-116-040-55	12	10.53	M16	9	25	DIN-376
5250-116-040-41	4.5	4	M6	3.4	18	DIN-376	5250-116-040-56	12.5	11.91	M16	10	25	JIS
5250-116-040-41	4.5	4	M6	3.55	18	ISO-529	5250-116-040-56	12.5	11.91	M16	10	25	ISO-529
5250-116-040-42	5	4.7	M4	4	18	JIS	5250-116-040-57	13	11.91	M17	10	25	JIS
5250-116-040-42	5	4.7	M4.5	4	18	JIS	5250-116-040-58	14	12.97	M18	11	25	JIS
5250-116-040-42	5	4.7	M5	4	18	ISO-529	5250-116-040-58	14	12.97	M18	11	25	DIN-352
5250-116-040-43	5.5	4.73	M5	4.5	18	JIS	5250-116-040-58	14	12.97	M18	11	25	DIN-376
5250-116-040-43	5.5	4.73	M5.5	4.5	18	JIS	5250-116-040-58	14	12.97	M18	11.2	25	ISO-529
5250-116-040-44	6	5.09	M5	4.9	18	DIN-352	5250-116-040-58	14	12.97	M20	11.2	25	ISO-529
5250-116-040-44	6	5.09	M5	4.9	18	DIN-371	5250-116-040-59	15	14.06	M20	12	25	JIS
5250-116-040-44	6	5.09	M6	4.5	18	JIS	5250-116-040-60	16	14.8	M20	12	25	DIN-352
5250-116-040-44	6	5.09	M6	4.9	18	DIN-352	5250-116-040-60	16	14.8	M20	12	25	DIN-376
5250-116-040-44	6	5.09	M6	4.9	18	DIN-371	5250-116-040-60	16	14.8	M22	12.5	25	ISO-529
5250-116-040-44	6	5.09	M8	4.9	18	DIN-352	5250-116-040-61	17	15.44	M22	13	28	JIS
5250-116-040-44	6	5.09	M8	4.9	18	DIN-376	5250-116-040-62	18	17.52	M22	14.5	28	DIN-352
5250-116-040-45	6.2	5.21	M7	5	18	JIS	5250-116-040-62	18	17.52	M22	14.5	28	DIN-376
5250-116-040-45	6.2	5.21	M8	5	18	JIS	5250-116-040-62	18	17.52	M24	14.5	28	DIN-352
5250-116-040-46	6.3	5.21	M6	5	18	ISO-529	5250-116-040-62	18	17.52	M24	14.5	28	DIN-376
5250-116-040-46	6.3	5.21	M8	5	18	ISO-529	5250-116-040-62	18	17.52	M24	14	28	ISO-529
5250-116-040-47	7	5.84	M9	5.5	18	JIS	5250-116-040-63	19	18.22	M24	15	28	JIS
5250-116-040-47	7	5.84	M10	5.5	18	JIS	5250-116-040-63	19	18.22	M25	15	28	JIS
5250-116-040-47	7	5.84	M10	5.5	18	DIN-352	5250-116-040-64	20	19.61	M26	15	28	JIS
5250-116-040-47	7	5.84	M10	5.5	18	DIN-352	5250-116-040-64	20	19.61	M27	15	28	JIS

ER - TC RIGID TAP COLLET

ER 鋼性攻牙筒夾

(DIN ISO 15488)



TYPE	d ₃	L	l ₁	CAPACITY	WEIGHT (KGS)
ER 16	16	27.5	17.5	M3 ~ M12	0.03
ER 20	20	31.5	20.7	M3 ~ M17	0.04
ER 25	25	34	23	M3 ~ M22	0.06
ER 32	32	40	27.34	M3 ~ M27	0.10
ER 40	40	46	31.34	M3 ~ M27	0.25
ER 50	50	60	38.9	M10 ~ M33	0.45

TW PAT NO. M148435
 TW PAT NO. M333253
 CH PAT NO. 693702
 CN PAT NO. ZL200820102787.2

ER - TC40
INCHES

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂
5250-116-040-06	0.255"	0.198"	1/4	0.191"	0.709	5250-116-040-16	0.562"	0.483"	1/4 PT	0.421"	0.984
5250-116-040-07	0.318"	0.258"	5/16	0.238"	0.866	5250-116-040-17	0.590"	0.512"	3/4	0.442"	0.984
5250-116-040-08	0.323"	0.263"	7/16	0.242"	0.866	5250-116-040-20	0.652"	0.576"	13/16	0.489"	0.984
5250-116-040-09	0.367"	0.307"	1/2	0.275"	0.866	5250-116-040-21	0.687"	0.612"	1/2 PT	0.515"	0.984
5250-116-040-10	0.381"	0.321"	3/8	0.286"	0.866	5250-116-040-22	0.697"	0.623"	7/8	0.523"	0.984
5250-116-040-11	0.429"	0.370"	9/16	0.322"	0.984	5250-116-040-23	0.700"	0.634"	3/8 PT	0.531"	0.984
5250-116-040-12	0.437"	0.378"	1/8 PT	0.328"	0.984	5250-116-040-25	0.760"	0.689"	15/16	0.570"	1.102
5250-116-040-14	0.480"	0.422"	5/8	0.360"	0.984	5250-116-040-26	0.800"	0.730"	1	0.600"	1.102
5250-116-040-15	0.542"	0.486"	11/16	0.406"	0.984						

ER - TC50

MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD	MODEL NO.	d ₁	Q	d ₂	SQ	l ₂	STANDARD
5250-116-050-01	7	5.84	M10	5.5	18	JIS	5250-116-050-12	14	12.97	M18	11	25	DIN-352
5250-116-050-01	7	5.84	M10	5.5	18	DIN-352	5250-116-050-12	14	12.97	M18	11	25	DIN-376
5250-116-050-01	7	5.84	M10	5.5	18	DIN-376	5250-116-050-12	14	12.97	M18	11.2	25	ISO-529
5250-116-050-02	8	6.88	M8	6.2	22	DIN-371	5250-116-050-12	14	12.97	M20	11.2	25	ISO-529
5250-116-050-02	8	6.88	M8	6.3	22	ISO-529	5250-116-050-13	15	14.06	M20	12	25	JIS
5250-116-050-02	8	6.88	M10	6.3	22	ISO-529	5250-116-050-14	16	14.8	M20	12	25	DIN-352
5250-116-050-02	8	6.88	M11	6	22	JIS	5250-116-050-14	16	14.8	M20	12	25	DIN-376
5250-116-050-03	8.5	7.14	M12	6.5	22	JIS	5250-116-050-14	16	14.8	M22	12.5	25	ISO-529
5250-116-050-04	9	7.95	M12	7	22	DIN-352	5250-116-050-15	17	15.44	M22	13	28	JIS
5250-116-050-04	9	7.95	M12	7	22	DIN-376	5250-116-050-16	18	17.52	M22	14.5	28	DIN-352
5250-116-050-04	9	7.95	M12	7.1	22	ISO-529	5250-116-050-16	18	17.52	M22	14.5	28	DIN-376
5250-116-050-05	10	9.16	M10	8	22	DIN-371	5250-116-050-16	18	17.52	M24	14.5	28	DIN-352
5250-116-050-05	10	9.16	M10	8	22	ISO-529	5250-116-050-16	18	17.52	M24	14.5	28	DIN-376
5250-116-050-06	10.5	9.16	M14	8	25	JIS	5250-116-050-16	18	17.52	M24	14	28	ISO-529
5250-116-050-06	10.5	9.16	M15	8	25	JIS	5250-116-050-17	19	18.22	M24	15	28	JIS
5250-116-050-07	11	10.53	M14	9	25	DIN-352	5250-116-050-17	19	18.22	M25	15	28	JIS
5250-116-050-07	11	10.53	M14	9	25	DIN-376	5250-116-050-18	20	19.61	M26	15	28	JIS
5250-116-050-08	11.2	10.53	M14	9	25	ISO-529	5250-116-050-18	20	19.61	M27	15	28	JIS
5250-116-050-09	12	10.53	M16	9	25	DIN-352	5250-116-050-19	21	20.5	M28	17	35	JIS
5250-116-050-09	12	10.53	M16	9	25	DIN-376	5250-116-050-21	23	20.5	M30	17	35	JIS
5250-116-050-10	12.5	11.91	M16	10	25	JIS	5250-116-050-22	24	23.4	M32	19	35	JIS
5250-116-050-10	12.5	11.91	M16	10	25	ISO-529	5250-116-050-23	25	23.4	M33	19	35	JIS
5250-116-050-11	13	11.91	M17	10	25	JIS	5250-116-050-23	25	23.4	M33	20	35	DIN-352
5250-116-050-12	14	12.97	M18	11	25	JIS	5250-116-050-23	25	23.4	M33	20	35	DIN-376

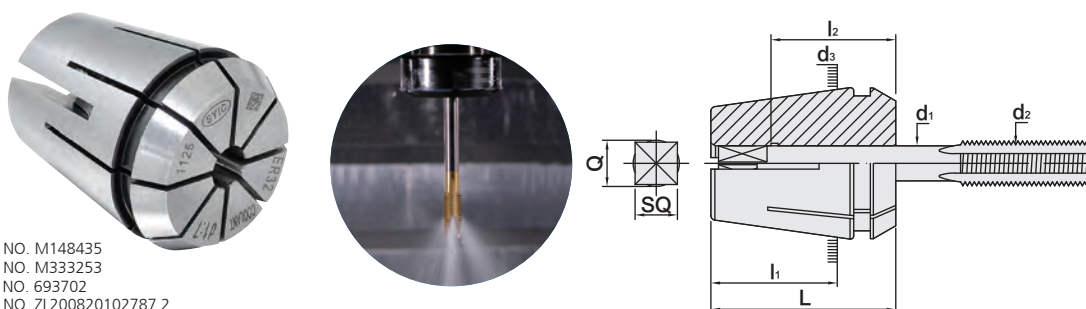
Features:

- ▶ To clamp a tap by the slots size differential.
- ▶ This product is workable as long as d₁ size (shank dia. of tap) matches collet ID (patented design).
- ▶ When making an order, please inform collet type and the size of d₁ (shank dia. of tap).



ER-TC RIGID TAP SEALED COLLET

ER 鋼性攻牙止水筒夾



TW PAT NO. M148435
 TW PAT NO. M333253
 CH PAT NO. 693702
 CN PAT NO. ZL200820102787.2

MODEL NO.	TYPE	d ₃	L	l ₁	l ₂	CAPACITY
5250-117-016	ER - TCO16	16	27.5	17.5	18 ~ 22	M5 ~ M10
5250-117-020	ER - TCO20	20	31.5	20.7	18 ~ 25	M5 ~ M17
5250-117-025	ER - TCO25	25	34	23	18 ~ 25	M5 ~ M22
5250-117-032	ER - TCO32	32	40	27.34	18 ~ 28	M5 ~ M27
5250-117-040	ER - TCO40	40	46	31.34	18 ~ 28	M5 ~ M27

d ₁	Q	d ₂	SQ	l ₂	STANDARD	d ₁	Q	d ₂	SQ	l ₂	STANDARD
6	5.09	M5	4.9	18	DIN-352	11	10.53	M14	9	25	DIN-376
6	5.09	M5	4.9	18	DIN-371	11.2	10.53	M14	9	25	ISO-529
6	5.09	M6	4.5	18	JIS	12	10.53	M16	9	25	DIN-352
6	5.09	M6	4.9	18	DIN-352	12	10.53	M16	9	25	DIN-376
6	5.09	M6	4.9	18	DIN-371	12.5	11.91	M16	10	25	JIS
6	5.09	M8	4.9	18	DIN-352	12.5	11.91	M16	10	25	ISO-529
6	5.09	M8	4.9	18	DIN-376	13	11.91	M17	10	25	JIS
6.2	5.21	M7	5	18	JIS	14	12.97	M18	11	25	JIS
6.2	5.21	M8	5	18	JIS	14	12.97	M18	11	25	DIN-352
6.3	5.21	M6	5	18	ISO-529	14	12.97	M18	11	25	DIN-376
6.3	5.21	M8	5	18	ISO-529	14	12.97	M18	11.2	25	ISO-529
7	5.84	M9	5.5	18	JIS	14	12.97	M20	11.2	25	ISO-529
7	5.84	M10	5.5	18	JIS	15	14.06	M20	12	25	JIS
7	5.84	M10	5.5	18	DIN-352	16	14.8	M20	12	25	DIN-352
7	5.84	M10	5.5	18	DIN-376	16	14.8	M20	12	25	DIN-376
8	6.88	M8	6.2	22	DIN-371	16	14.8	M22	12.5	25	ISO-529
8	6.88	M8	6.3	22	ISO-529	17	15.44	M22	13	28	JIS
8	6.88	M10	6.3	22	ISO-529	18	17.52	M22	14.5	28	DIN-352
8	6.88	M11	6	22	JIS	18	17.52	M22	14.5	28	DIN-376
8.5	7.14	M12	6.5	22	JIS	18	17.52	M24	14.5	28	DIN-352
9	7.95	M12	7	22	DIN-352	18	17.52	M24	14.5	28	DIN-376
9	7.95	M12	7	22	DIN-376	18	17.52	M24	14	28	ISO-529
9	7.95	M12	7.1	22	ISO-529	19	18.22	M24	15	28	JIS
10	9.16	M10	8	22	DIN-371	19	18.22	M25	15	28	JIS
10	9.16	M10	8	22	ISO-529	20	19.61	M26	15	28	JIS
10.5	9.16	M14	8	25	JIS	20	19.61	M27	15	28	JIS
10.5	9.16	M15	8	25	JIS	20	19.61	M27	16	28	DIN-376
11	10.53	M14	9	25	DIN-352	20	19.61	M27	16	28	DIN-529

INCHES

0.168	0.151	5/32	0.131	0.709	-	0.381	0.321	3/8	0.286	0.866	-
0.194	0.180	3/16	0.152	0.709	-	0.429	0.370	9/16	0.322	0.984	-
0.220	0.198	7/32	0.165	0.709	-	0.437	0.378	1/8 PT	0.328	0.984	-
0.255	0.198	1/4	0.191	0.709	-	0.480	0.422	5/8	0.360	0.984	-
0.318	0.258	5/16	0.238	0.866	-	0.562	0.483	1/4 PT	0.421	0.984	-
0.323	0.263	7/16	0.242	0.866	-	0.590	0.512	3/4	0.442	0.984	-
0.367	0.307	1/2	0.275	0.866	-	0.652	0.576	13/16	0.489	0.984	-

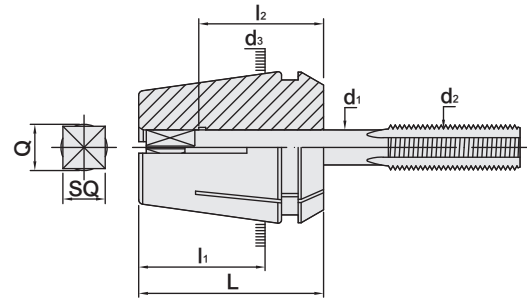
Features: ▶ Used for coolant-through taps. ▶ Water pressure up to 150kgf/cm²(1400PSI).
 ▶ When making an order, please inform collet type and d₁ size (shank dia. of tap).



ER-TC RIGID TAP COOLANT COLLET FOD TYPE

ER 鋼性攻牙出水筒夾 [FOD型]

(DIN ISO 15488)



TW PAT NO. M148435
TW PAT NO. M333253
CH PAT NO. 693702
CN PAT NO. ZL200820102787.2

MODEL NO.	TYPE	d ₃	L	l ₁	l ₂	CAPACITY
5250-118-016	ER - TC16	16	27.5	17.5	18 ~ 22	M5 ~ M10
5250-118-020	ER - TC20	20	31.5	20.7	18 ~ 25	M5 ~ M12
5250-118-025	ER - TC25	25	34	23	18 ~ 25	M5 ~ M20
5250-118-032	ER - TC32	32	40	27.34	18 ~ 28	M5 ~ M27
5250-118-040	ER - TC40	40	46	31.34	18 ~ 28	M5 ~ M27

d ₁	Q	d ₂	SQ	l ₂	STANDARD	d ₁	Q	d ₂	SQ	l ₂	STANDARD
6	5.09	M5	4.9	18	DIN-352	11	10.53	M14	9	25	DIN-376
6	5.09	M5	4.9	18	DIN-371	11.2	10.53	M14	9	25	ISO-529
6	5.09	M6	4.5	18	JIS	12	10.53	M16	9	25	DIN-352
6	5.09	M6	4.9	18	DIN-352	12	10.53	M16	9	25	DIN-376
6	5.09	M6	4.9	18	DIN-371	12.5	11.91	M16	10	25	JIS
6	5.09	M8	4.9	18	DIN-352	12.5	11.91	M16	10	25	ISO-529
6	5.09	M8	4.9	18	DIN-376	13	11.91	M17	10	25	JIS
6.2	5.21	M7	5	18	JIS	14	12.97	M18	11	25	JIS
6.2	5.21	M8	5	18	JIS	14	12.97	M18	11	25	DIN-352
6.3	5.21	M6	5	18	ISO-529	14	12.97	M18	11	25	DIN-376
6.3	5.21	M8	5	18	ISO-529	14	12.97	M18	11.2	25	ISO-529
7	5.84	M9	5.5	18	JIS	14	12.97	M20	11.2	25	ISO-529
7	5.84	M10	5.5	18	JIS	15	14.06	M20	12	25	JIS
7	5.84	M10	5.5	18	DIN-352	16	14.8	M20	12	25	DIN-352
7	5.84	M10	5.5	18	DIN-376	16	14.8	M20	12	25	DIN-376
8	6.88	M8	6.2	22	DIN-371	16	14.8	M22	12.5	25	ISO-529
8	6.88	M8	6.3	22	ISO-529	17	15.44	M22	13	28	JIS
8	6.88	M10	6.3	22	ISO-529	18	17.52	M22	14.5	28	DIN-352
8	6.88	M11	6	22	JIS	18	17.52	M22	14.5	28	DIN-376
8.5	7.14	M12	6.5	22	JIS	18	17.52	M24	14.5	28	DIN-352
9	7.95	M12	7	22	DIN-352	18	17.52	M24	14.5	28	DIN-376
9	7.95	M12	7	22	DIN-376	18	17.52	M24	14	28	ISO-529
9	7.95	M12	7.1	22	ISO-529	19	18.22	M24	15	28	JIS
10	9.16	M10	8	22	DIN-371	19	18.22	M25	15	28	JIS
10	9.16	M10	8	22	ISO-529	20	19.61	M26	15	28	JIS
10.5	9.16	M14	8	25	JIS	20	19.61	M27	15	28	JIS
10.5	9.16	M15	8	25	JIS	20	19.61	M27	16	28	DIN-376
11	10.53	M14	9	25	DIN-352	20	19.61	M27	16	28	DIN-529

INCHES

0.168	0.151	5/32	0.131	0.709	-	0.381	0.321	3/8	0.286	0.866	-
0.194	0.180	3/16	0.152	0.709	-	0.429	0.370	9/16	0.322	0.984	-
0.220	0.198	7/32	0.165	0.709	-	0.437	0.378	1/8 PT	0.328	0.984	-
0.255	0.198	1/4	0.191	0.709	-	0.480	0.422	5/8	0.360	0.984	-
0.318	0.258	5/16	0.238	0.866	-	0.562	0.483	1/4 PT	0.421	0.984	-
0.323	0.263	7/16	0.242	0.866	-	0.590	0.512	3/4	0.442	0.984	-
0.367	0.307	1/2	0.275	0.866	-	0.652	0.576	13/16	0.489	0.984	-

Features: ▶ Used for taps without coolant hole. ▶ Water pressure up to 150kgf/cm²(1400PSI).

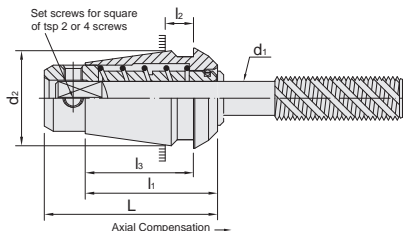
▶ When making an order, please inform collet type and d₁ size (shank dia. of tap).



ER FLOATING TAP COLLET

ER 伸縮攻牙筒夾

(DIN ISO 15488)



TYPE	L	l ₁	l ₂	l ₃	d ₂	WEIGHT (KGS)
FT 16	28.6	22	3	18	16	0.03
FT 20	31	24	5.85	18.85	20	0.05
FT 25	34	24.5	3	18.1	25	0.06
FT 32	43.3	31	7	25.5	32	0.10
FT 40	54	42	3	42	40	0.25

FT 16		FT 20		FT 25		FT 32		FT 40	
MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁	MODEL NO.	d ₁
5250-148-016-01	1.4	5250-148-020-01	2.24	5250-148-025-01	2.5	5250-148-032-02	4.5	5250-148-040-01	6
5250-148-016-02	1.6	5250-148-020-02	2.5	5250-148-025-02	2.8	5250-148-032-03	5	5250-148-040-02	6.2
5250-148-016-03	1.8	5250-148-020-03	2.8	5250-148-025-03	3	5250-148-032-04	5.5	5250-148-040-03	6.3
5250-148-016-04	2	5250-148-020-04	3	5250-148-025-04	3.15	5250-148-032-05	5.6	5250-148-040-04	7
5250-148-016-05	2.24	5250-148-020-05	3.15	5250-148-025-05	3.5	5250-148-032-06	6	5250-148-040-05	7.1
5250-148-016-06	2.5	5250-148-020-06	3.5	5250-148-025-06	3.55	5250-148-032-07	6.2	5250-148-040-06	8
5250-148-016-07	2.8	5250-148-020-07	3.55	5250-148-025-07	4	5250-148-032-08	6.3	5250-148-040-07	8.5
5250-148-016-08	3	5250-148-020-08	4	5250-148-025-08	4.5	5250-148-032-09	7	5250-148-040-08	9
5250-148-016-09	3.15	5250-148-020-09	4.5	5250-148-025-09	5	5250-148-032-10	7.1	5250-148-040-09	10
5250-148-016-10	3.5	5250-148-020-10	5	5250-148-025-10	5.5	5250-148-032-11	8	5250-148-040-10	10.5
5250-148-016-11	3.55	5250-148-020-11	5.5	5250-148-025-11	5.6	5250-148-032-12	8.5	5250-148-040-11	11
5250-148-016-12	4	5250-148-020-12	5.6	5250-148-025-12	6	5250-148-032-13	9	5250-148-040-12	11.2
5250-148-016-13	4.5	5250-148-020-13	6	5250-148-025-13	6.2	5250-148-032-14	10	5250-148-040-13	12
5250-148-016-14	5	5250-148-020-14	6.2	5250-148-025-17	7.1	5250-148-032-15	10.5	5250-148-040-14	12.5
5250-148-016-15	5.5	5250-148-020-15	6.3	5250-148-025-18	8	5250-148-032-16	11	5250-148-040-15	14
5250-148-016-23	5.6	5250-148-020-16	7	5250-148-025-19	8.5	5250-148-032-17	11.2	INCHES	
5250-148-016-16	6	INCHES		5250-148-025-20	9	5250-148-032-18	12	5250-148-040-30	0.255
INCHES		5250-148-020-19	0.141	5250-148-025-21	10	5250-148-032-19	12.5	5250-148-040-18	0.318
5250-148-016-18	0.141	5250-148-020-20	0.168	INCHES		INCHES		5250-148-040-19	0.323
5250-148-016-19	0.168	5250-148-020-21	0.194	5250-148-025-24	0.141	5250-148-032-24	0.168	5250-148-040-20	0.367
5250-148-016-21	0.220	5250-148-020-22	0.22	5250-148-025-25	0.168	5250-148-032-25	0.194	5250-148-040-21	0.381
		5250-148-020-23	0.255	5250-148-025-26	0.194	5250-148-032-26	0.220	5250-148-040-22	0.429
				5250-148-025-27	0.220	5250-148-032-27	0.255	5250-148-040-23	0.437
				5250-148-025-28	0.255	5250-148-032-28	0.318	5250-148-040-24	0.480
				5250-148-025-29	0.318	5250-148-032-29	0.323	5250-148-040-25	0.542
				5250-148-025-30	0.323	5250-148-032-30	0.367	5250-148-040-26	0.562
				5250-148-025-31	0.367	5250-148-032-31	0.381	5250-148-040-27	0.590
						5250-148-032-32	0.429	5250-148-040-28	0.652
						5250-148-032-33	0.437	5250-148-040-29	0.697
						5250-148-032-35	0.480		

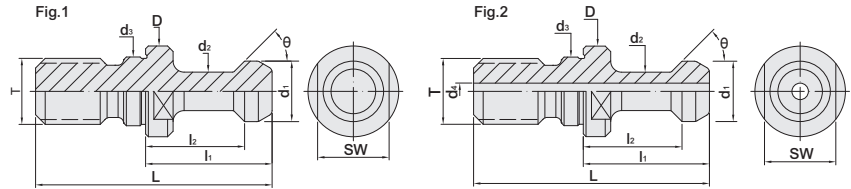
Features:

- ▶ This product can avoid taps breaking when spindle reverses direction during tapping process.
- ▶ There are side lock screws at the bottom of collet, used for clamping a tap.
- ▶ Suitable for taps conforming to ISO-529, JIS, DIN-371, DIN-376 or DIN-352 standards.



BT PULL STUD

BT 螺栓拉頭



W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	d ₄	θ	T	SW	Fig.	WEIGHT (KGS)
5230-011-45-00	BT40 - 45°	60	35	28	23	15	10	17	-	45°	M16	19	1	0.10
5230-012-45-00	BT50 - 45°	85	45	35	38	23	17	25	-	45°	M24	30	1	0.30
5230-011-60-00	BT40 - 60°	60	35	28	23	15	10	17	-	60°	M16	19	1	0.10
5230-012-60-00	BT50 - 60°	85	45	35	38	23	17	25	-	60°	M24	30	1	0.30
5230-011-90-00	BT40 - 90°	60	35	28	23	15	10	17	-	90°	M16	19	1	0.10
5230-012-90-00	BT50 - 90°	85	45	35	38	23	17	25	-	90°	M24	30	1	0.30

Coolant Thru

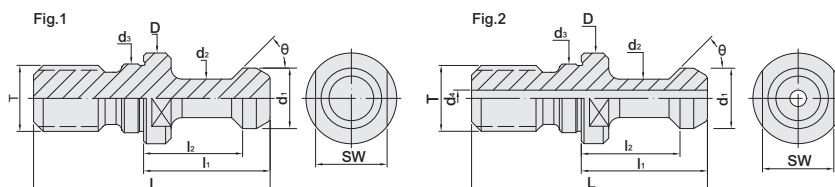
5231-011-15-00	BT40 - 15° - C	54	29	23	23	19	14	17	7	15°	M16	19	2	0.10
5231-011-45-00	BT40 - 45° - C	60	35	28	23	15	10	17	4	45°	M16	19	2	0.10
5231-011-45-01	BT40 - 45° - C - MAZAK	44.1	19.1	14.02	22	18.79	12.44	17	7	45°	M16	19	2	0.10
5231-012-45-00	BT50 - 45° - C	85	45	35	38	23	17	25	6	45°	M24	30	2	0.30
5231-012-45-01	BT50 - 45° - C - MAZAK	65.4	25.4	17.78	35.5	28.95	20.8	25	10	45°	M24	30	2	0.30
5231-011-60-00	BT40 - 60° - C	60	35	28	23	15	10	17	4	60°	M16	19	2	0.10
5231-012-60-00	BT50 - 60° - C	85	45	35	38	23	17	25	6	60°	M24	30	2	0.30
5231-011-90-00	BT40 - 90° - C	60	35	28	23	15	10	17	4	90°	M16	19	2	0.10
5231-012-90-00	BT50 - 90° - C	85	45	35	38	23	17	25	6	90°	M24	30	2	0.30

Features:

- ▶ Please make sure the pull stud conforms to the machine type.

BT PULL STUD with ground thread

BT 研磨螺栓拉頭



W/O Coolant

MODEL NO.	TYPE	L	l ₁	l ₂	D	d ₁	d ₂	d ₃	d ₄	θ	T	SW	Fig.	WEIGHT (KGS)
5232-011-45-00	BT40 - 45°G	60	35	28	23	15	10	17	-	45°	M16	19	1	0.10
5232-012-45-00	BT50 - 45°G	85	45	35	38	23	17	25	-	45°	M24	30	1	0.30
5232-011-60-00	BT40 - 60°G	60	35	28	23	15	10	17	-	60°	M16	19	1	0.10
5232-012-60-00	BT50 - 60°G	85	45	35	38	23	17	25	-	60°	M24	30	1	0.30
5232-011-90-00	BT40 - 90°G	60	35	28	23	15	10	17	-	90°	M16	19	1	0.10
5232-012-90-00	BT50 - 90°G	85	45	35	38	23	17	25	-	90°	M24	30	1	0.30

Coolant Thru

5233-011-45-00	BT40 - 45°G - C	60	35	28	23	15	10	17	4	45°	M16	19	2	0.10
5233-012-45-00	BT50 - 45°G - C	85	45	35	38	23	17	25	6	45°	M24	30	2	0.30
5233-011-60-00	BT40 - 60°G - C	60	35	28	23	15	10	17	4	60°	M16	19	2	0.10
5233-012-60-00	BT50 - 60°G - C	85	45	35	38	23	17	25	6	60°	M24	30	2	0.30
5233-011-90-00	BT40 - 90°G - C	60	35	28	23	15	10	17	4	90°	M16	19	2	0.10
5233-012-90-00	BT50 - 90°G - C	85	45	35	38	23	17	25	6	90°	M24	30	2	0.30

Features:

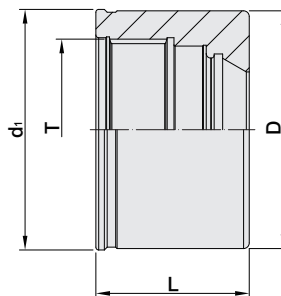
- ▶ Please make sure the pull stud conforms to the machine type.



PRO - E POWER GOOD NUT



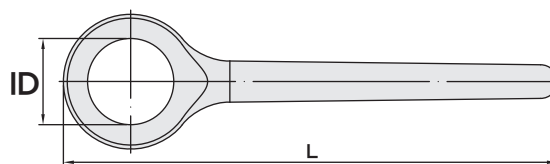
PRO - E 包固得威力鍍層螺帽



MODEL NO.	TYPE	L	D	d ₁	T	RECOMMENDED TIGHTENING TORQUE		WEIGHT (KGS)
						N-m	ft/lbs	
5202-529-016	PRO - E16	22	30	30.3	M22 x 1.5P	40 N-m	30 ft/lbs	0.06
5202-529-020	PRO - E20	23.5	35	35.3	M27 x 1.5P	60 N-m	44 ft/lbs	0.09
5202-529-025	PRO - E25	24.6	42	42.7	M32 x 1.5P	80 N-m	59 ft/lbs	0.14
5202-529-032	PRO - E32	27	50	50.7	M40 x 1.5P	110 N-m	81 ft/lbs	0.19
5202-529-040	PRO - E40	30	63	63.7	M50x 1.5P	130 N-m	95 ft/lbs	0.25

BEARING SPANNER

軸承扳手



MODEL NO.	ID	NUT DIA	L	SUITABLE NUT TYPE	WEIGHT (KGS)
5285-0301-00	30	30	195	ER16, SKS10, PNER16, UT16, SKX10CO, PRO-E16	0.40
5285-0351-00	35	35	235	UT20, PTER25, PRO-E20	0.64
5285-0421-00	42	42	235	ER25, UT25, PRO-E25	0.67
5285-0501-00	50	50	235	ER32, PNER32, PRO-E32	0.69
5285-0631-00	63	63	250	PNER40, PRO32, PRO-E40	0.70



No using ER spanner with steel tube!

No using adjustable spanner with steel tube!

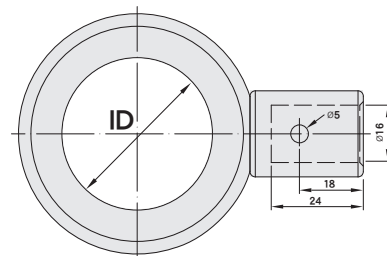
Features:

- Used for all non wind resistance nuts.



NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH

螺帽轉接頭 [扭力扳手用]



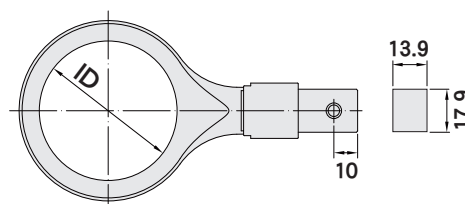
MODEL NO.	ID	SUITABLE NUT TYPE	WEIGHT (KGS)
5284-0301-00	30	ER16, SKS10, PNER16, UT16, SKX10-CO, PRO-E16	0.25
5284-0351-00	35	UT20, PTER25, PRO-E20	0.40
5284-0421-00	42	ER25 W-RDQ, UT25, PRO-E25	0.40
5284-0501-00	50	ER32, PNER32, PRO-E32	0.42
5284-0631-00	63	PNER40, PRO32, PRO-E40	0.58

Features:

- ▶ Used with spigot interchangeable digital torque wrench [P.48].
- ▶ Set the torque according to recommended torque value to maintain the best cutting performance.

NUT ADAPTERS FOR EXCHANGEABLE TORQUE WRENCH

螺帽轉接頭 - 方型 [扭力扳手用]



MODEL NO.	ID	SUITABLE NUT TYPE	WEIGHT (KGS)
5284-0301-01	30	ER16, SKS10, PNER16, UT16, SKX10-CO, PRO-E16	0.26
5284-0351-01	35	PTER25, UT20, PRO-E20	0.41
5284-0421-01	42	ER25, UT25, PRO-E25	0.41
5284-0501-01	50	ER32, PNER32, PRO-E32	0.43
5284-0631-01	63	PNER40, PRO32, PRO-E40	0.58

Features:

- ▶ Used with spigot interchangeable digital torque wrench.
- ▶ Set the torque according to recommended torque value to maintain the best cutting performance.



SPIGOT INTERCHANGEABLE DIGITAL TORQUE WRENCH

數顯 LCD 扭力扳手



Two-color handle

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
408-006-000	DG - 135	365	10 - 135 N-m	7.4 - 99.6 ft/lbs	0.80
408-006-002	DG - 340	769	34 - 340 N-m	25 - 250.9 ft/lbs	1.40



Steel handle

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
408-006-003	DG - 252	373	10 - 135 N-m	7.4 - 99.6 ft/lbs	0.80
408-006-004	DG - 253	548	20 - 200 N-m	14.8 - 147 ft/lbs	1.05
408-006-005	DG - 254	748	34 - 340 N-m	25 - 250.9 ft/lbs	1.35



Two-color handle

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
408-006-006	DG - 264	373	10 - 135 N-m	7.4 - 99.6 ft/lbs	0.85
408-006-007	DG - 265	548	20 - 200 N-m	14.8 - 147 ft/lbs	1.10
408-006-008	DG - 266	748	34 - 340 N-m	25 - 250.9 ft/lbs	1.40



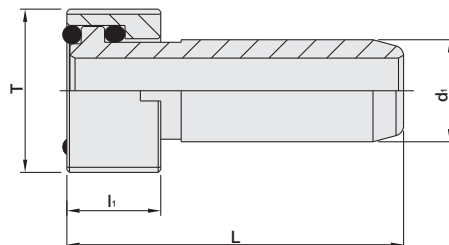
Steel handle

MODEL NO.	TYPE	LENGTH	RANGE		WEIGHT (KGS)
408-006-009	DG - 271	373	10 - 135 N-m	7.4 - 99.6 ft/lbs	0.65
408-006-010	DG - 272	548	20 - 200 N-m	14.8 - 147 ft/lbs	0.90
408-006-011	DG - 273	748	34 - 340 N-m	25 - 250.9 ft/lbs	1.20

COOLANT SUPPLY UNIT

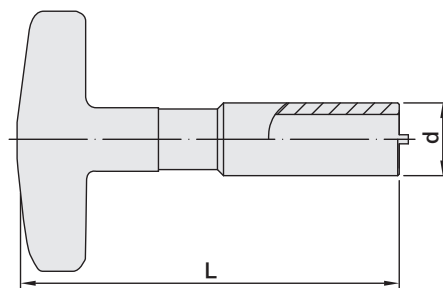
HSK 給水管

[DIN 69895]



MODEL NO.	TYPE	L	l ₁	d ₁	T	WEIGHT (KGS)
5316-2032	HSK32A - CP	26	5.5	6	M10 x 1.0P	0.01
5316-2040	HSK40A - CP	29.3	7.5	8	M12 x 1.0P	0.01
5316-2050	HSK50A - CP	33	9.5	10	M16 x 1.0P	0.02
5316-2063	HSK63A - CP	36.6	11.5	12	M18 x 1.0P	0.02
5316-2080	HSK80A - CP	40	13.5	14	M20 x 1.5P	0.04
5316-2100	HSK100A - CP	44	15.5	16	M24 x 1.5P	0.06

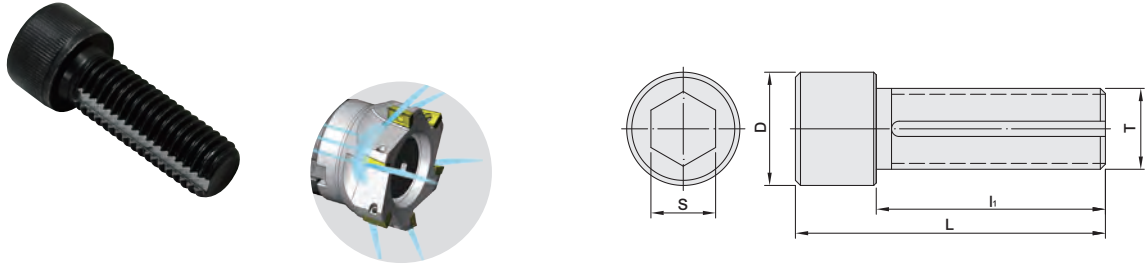
HSK 給水管扳手



MODEL NO.	TYPE	L	d	WEIGHT (KGS)
5280-070-032	HSK32A - CPW	90	Ø10mm	0.10
5280-071-040	HSK40A - CPW	90	Ø13.5mm	0.12
5280-072-050	HSK50A - CPW	95	Ø15.5mm	0.14
5280-073-063	HSK63A - CPW	100	Ø17.5mm	0.16
5280-074-080	HSK80A - CPW	110	Ø19.5mm	0.12
5280-075-100	HSK100A - CPW	125	Ø23.5mm	0.32

SCREW WITH COOLANT FLUTE

給水槽螺絲



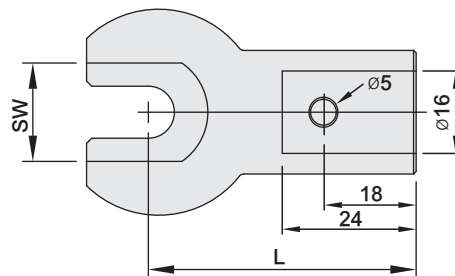
MODEL NO.	TYPE	L	l ₁	D	S	T	SUITABLE TOOL HOLDER	WEIGHT (KGS)
5299-045-M8-030-00	M8 x 1.25P - 30	38	30	13	6	M8 x 1.25P	FMB16	0.02
5299-045-M10-035-00	M10 x 1.5P - 35	45	35	16	8	M10 x 1.5P	FMB 22	0.02
5299-045-M12-030-00	M12 x 1.75P - 30	42	30	18	10	M12 x 1.75P	FMB 27 / 32	0.04
5299-045-M12-035-00	M12 x 1.75P - 35	47	35	18	10	M12 x 1.75P	FMB 27 / 32	0.04
5299-045-M16-050-00	M16 x 2.0P - 50	66	50	24	14	M16 x 2.0P	FMB 40	0.10
5299-045-A32-038-00	1/2" - 12W - 38.1	50.8	38.1	19.05	9.525	1/2" - 12W	FMA 25.4 / 31.75	0.04
5299-045-A40-038-00	5/8" - 11W - 38.1	53.975	38.1	22.225	14	5/8" - 11W	FMA 38.1	0.08
5299-045-A40-045-00	5/8" - 11W - 45	60.875	45	22.225	14	5/8" - 11W	FMA 50.8	0.10

Features:

- For face mill arbors to achieve coolant through cutters.

TORQUE WRENCH ADAPTOR (FOR PULL STUD)

拉頭轉接頭 [扭力扳手用]



MODEL NO.	TYPE	SW	L	APPLICABLE PULL STUD	RECOMMENDED TIGHTENING TORQUE	WEIGHT (KGS)	
5281-541-401	PSTW - 40B	19	50	BT40 SBT40 CAT40 SCAT40	45°, 60°, 90°, MAS- I MAS- II , MAS-III Coolant- I , Coolant- II Coolant -III	58 ~ 78 N-m 43 ~ 57 ft/lbs	0.23
5281-541-402	PSTW - 40BM	19	50	BT40	MAZAK	58 ~ 78 N-m 43 ~ 57 ft/lbs	0.2
5281-541-501	PSTW - 50B	30	57	BT50 SBT50 CAT50 SCAT50	45°, 60°, 90° MAS- I , MAS- II MAS-III, Coolant- I Coolant - II , Coolant -III	196 ~ 245 N-m 144 ~ 180 ft/lbs	0.3
5281-541-502	PSTW - 50BM	30	57	BT50	MAZAK	196 ~ 245 N-m 144 ~ 180 ft/lbs	0.27

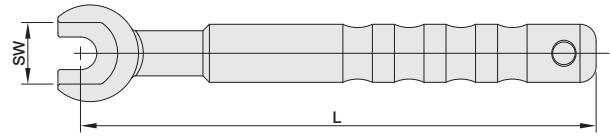
Features:

- ▶ Used with spigot interchangeable digital torque wrench.
- ▶ Set the torque according to recommended torque value to maintain the best cutting performance.



SPANNER FOR PULL STUD

拉頭扳手



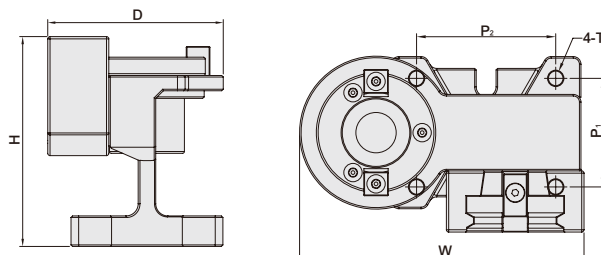
MODEL NO.	TYPE	SW	L	APPLICABLE PULL STUD		WEIGHT (KGS)
5287-540-401	PSW-40B	19	160	BT40, SBT40 CAT40, SCAT40	45°, 60°, 90°, MAS-I, MAS- II, MAS-III, Coolant-I, Coolant - II, Coolant -III	0.31
5287-540-402	PSW-40BM	19	157	BT40	MAZAK	0.29
5287-540-501	PSW-50B	30	200	BT50, SBT50 CAT50, SCAT50	45°, 60°, 90°, MAS-I, MAS- II, MAS-III, Coolant-I, Coolant - II, Coolant -III	0.75
5287-540-502	PSW-50BM	30	200	BT50	MAZAK	0.72

ASSEMBLY DEVICE

立臥式鎖刀座



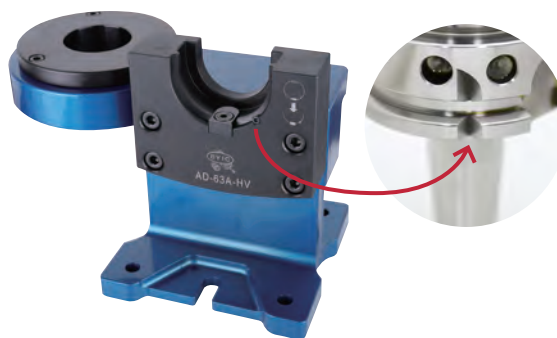
TW PAT NO. M595557



TWO - WAY TYPE

MODEL NO.	TYPE	COMPATIBLE TOOLING	D	H	W	P ₁	P ₂	T	WEIGHT (KGS)
5300-020-010	AD - BT30 - HV	BT / SBT30	110	137.5	186	71	91	M8	4.36
5300-020-011	AD - BT40 - HV	BT / SBT40	115	137.5	186	71	91	M8	4.38
5300-020-012	AD - BT50 - HV	BT / SBT50	152.5	195.5	242	112	116	M10	10.90
5300-020-031	AD - CAT40 - HV	CAT / SCAT40	115	137.5	186	71	91	M8	4.39
5300-020-032	AD - CAT50 - HV	CAT / SCAT50	152.5	195.5	242	112	116	M10	10.96
5300-020-073	AD - HSK63 - HV	HSK63A	143.5	198.5	242	112	116	M10	12.6

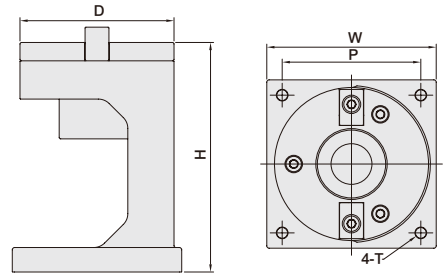
Quick Positioning Design for HSK-A Assembly Device



- Because the sizes of two drive slots of HSK-A tool holders are unequal, this design facilitates end users to be able to quickly place HSK-A tool holders on HSK-A assembly device in a correct way.

ASSEMBLY DEVICE

立式鎖刀座

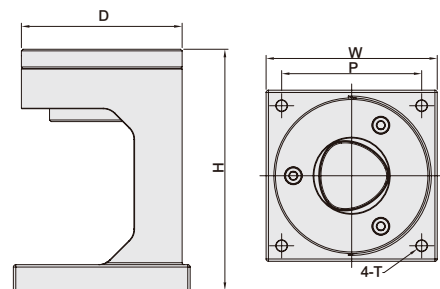


VERTICAL TYPE

MODEL NO.	TYPE	COMPATIBLE TOOLING	D	H	W	P	T	WEIGHT (KGS)
5300-021-010	AD - #30 - V	#30	100	150	110	90	M6	3.51
5300-021-011	AD - #40 - V	#40	100	150	110	90	M6	2.85
5300-021-012	AD - #50 - V	#50	115	190	160	130	M8	8.21

ASSEMBLY DEVICE

立式鎖刀座



VERTICAL TYPE

MODEL NO.	TYPE	COMPATIBLE TOOLING	D	H	W	P	T	WEIGHT (KGS)
5300-021-073	AD - 63A - V	HSK63A	100	150	110	90	M6	3.29
5300-021-075	AD - 100A - V	HSK100A	115	190	160	130	M8	7.53
5300-021-143	AD - C63 - V	PSC63	100	150	110	90	M6	3.32

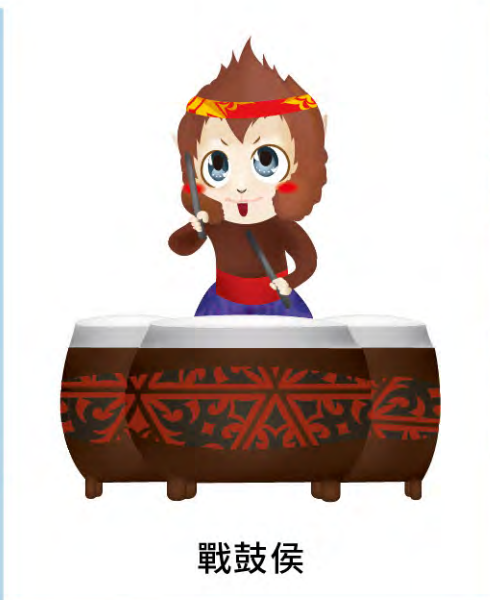
MEMO

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