



東莞市亞亮五金機械有限公司

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**您身邊的數控機床配套方案專家
專業制造精密機械刀具附件**



國際業務號



微信公眾號

About us

關於我們

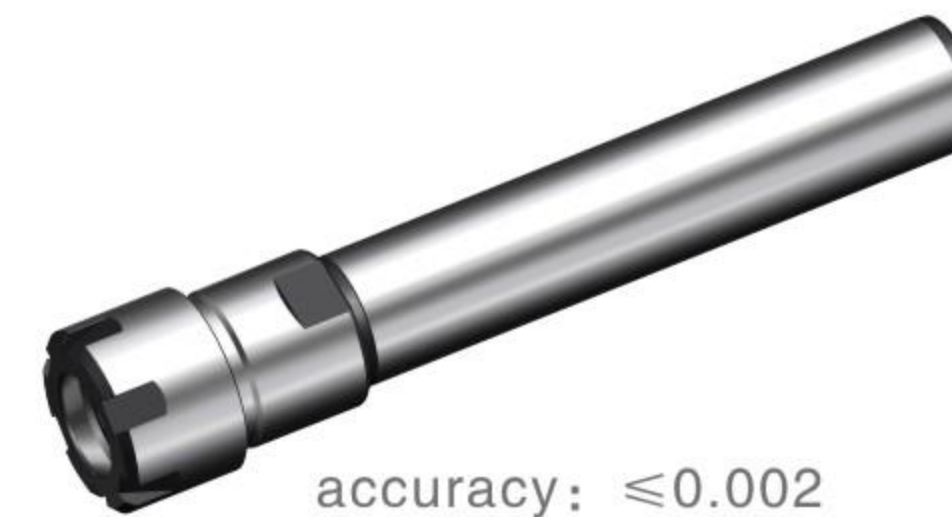


創立於2012年

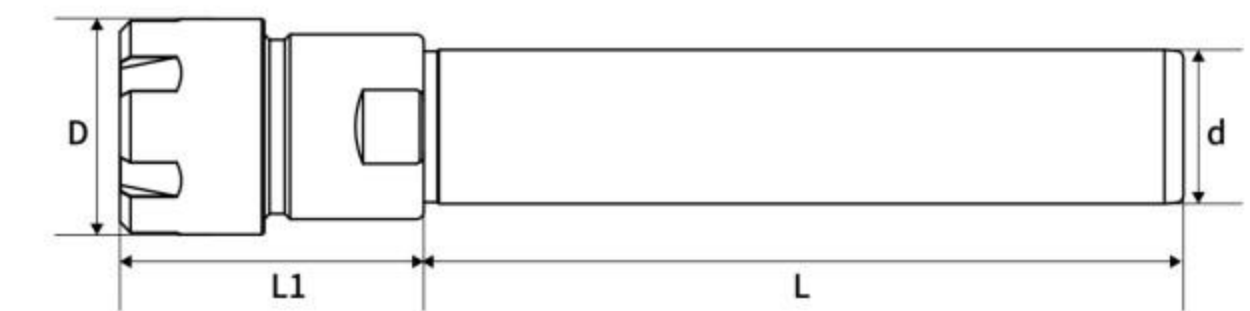
亞亮公司以自有品牌ZOTO以及提供特殊設計服務，專注於CNC零配件全系列相關產品行銷全世界。我們注重於三個理念：提供品質第一的產品、提供設計創新的產品、提供專業制造的產品。以及四個堅持；堅持最優秀的人才、堅持最先進的設備、堅持最創新的技術堅持最完善的環境。亞亮公司專注於人才的培育，設置先進的設備與儀器，運用創新與持續改善的制造技術，於專業化的自有廠房生產全系列產品，配合完整的行銷服務理念，期許滿足顧客要求以及永續經營的企業使命。近年來專業且持續改善的制造技術更得到歐美日大廠青睞，合作生產CNC零配件系列產品。

With its own brand ZOTO and special design services, we focus on a full range of CNC parts and accessoriesSell all over the world. We focus on three concepts: to provide quality first products to provide innovative design products, to provide professional Manufactured products. And the four sticks; Insist on the best talent, insist on the most advanced equipment, insist on the most innovative technologyAdhere to the most perfect environment. Yaliang company focuses on the cultivation of talents, set up advanced equipment and instruments, the use of innovation and holdImproved manufacturing technology, production of a full range of products in specialized own plants, with a complete marketing service concept, periodTo meet customer requirements as well as the business mission of continuous performance. In recent years, the professional and performance improvement of the manufacturing technology is more in Europe and America Japan factory favor, cooperation in the production of CNC parts series products.

ER-M型 ER-M TYPE



accuracy: ≤0.002



單位: mm

ORDER NO	MOEL SERIES	尺寸 DIMENSIONS (mm)				庫存 STOCK
		d	L	L1	D	
611001	ER8M-100-C10	10	100	15	12	●
611002	-150-C10		150			●
611003	-100-C12		100			●
611004	-120-C12	12	120	25	16	●
611005	-150-C12		150			●
611006	ER11M-100-C12	12	100	18	16	●
611007	-150-C12		150			●
611008	-100-C16		100			●
611009	-150-C16	16	150	35.5	22	●
611010	ER16M-100-C16		100			●
611011	-150-C16		150			●
611012	-100-C20	20	100	40	28	●
611013	-150-C20		150			●
611014	-200-C20		200			●
611015	-100-C25	25	100	49	42	●
611016	-150-C25		150			●
611017	-200-C25		200			●
611018	ER20M-100-C20	20	100	53	50	●
611019	-150-C20		150			●
611020	-200-C20		200			●
611021	-100-C25	25	100	53	50	●
611022	-150-C25		150			●
611023	-200-C25		200			●
611024	ER25UM-100-C20	20	100	53	50	●
611025	-150-C20		150			●
611026	-100-C20		100			●
611027	-150-C25	25	150	53	50	●
611028	-200-C25		200			●
611029	-100-C32		100			●
611030	-150-C32	32	150	53	50	●
611031	-200-C32		200			●
611032	ER25UM-100-C25		100			●
611033	-150-C25	25	150	53	50	●
611034	-200-C25		100			●
611035	-100-C32		150			●
611036	-150-C32	32	200	53	50	●
611037	-200-C32		100			●

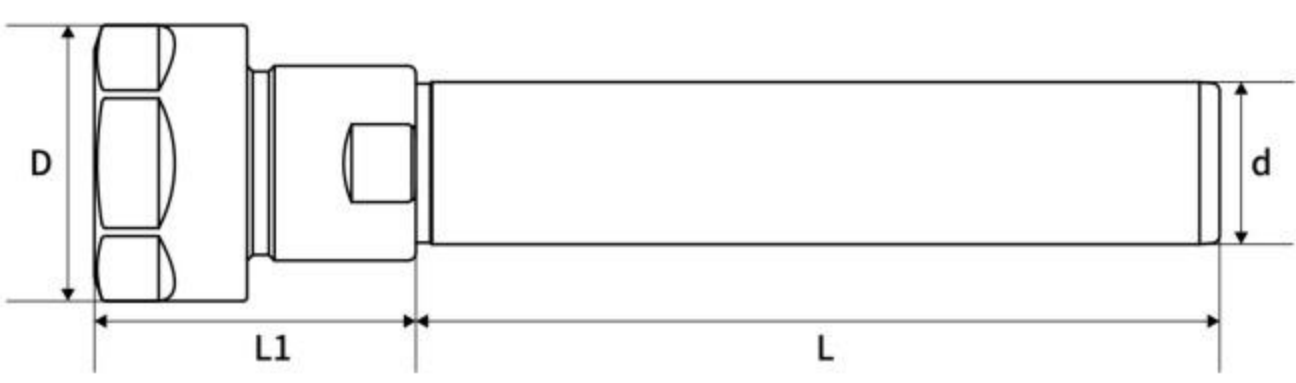
庫存說明:○未在庫可定制品 ●在庫現貨品

加工中心鑽杆

MACHINING CENTER DRILL PIPE



ER-A型 ER-A TYPE



單位：mm

ORDER NO	MOEL SERIES	尺寸 DIMENSIONS (mm)				庫存 STOCK	
		d	L	L1	D		
612001	ER8A-100-C10	10	100	15	12	●	
612002	-150-C10		150			●	
612003	-100-C12	12	100			●	
612004	-120-C12		120			●	
612005	-150-C12		150			●	
612006	ER11A-100-C12	12	100	25	19	●	
612007	-150-C12		150			●	
612008	-100-C16	16	100	16		●	
612009	-150-C16		120			●	
612010	ER16A-100-C16	16	100	36	28	●	
612011	-150-C16		150			●	
612012	-100-C20	20	100			●	
612013	-150-C12		150			●	
612014	-200-C20		200			●	
612015	-100-C25	25	100	42	34	●	
612016	-150-C25		150			●	
612017	-200-C25		200			●	
612018	ER20A-100-C20	20	100	42		34	●
612019	-150-C20		150				●
612020	-200-C20		200		●		
612021	-100-C25	25	100		●		
612022	-150-C25		150		●		
612023	-200-C25		200		●		

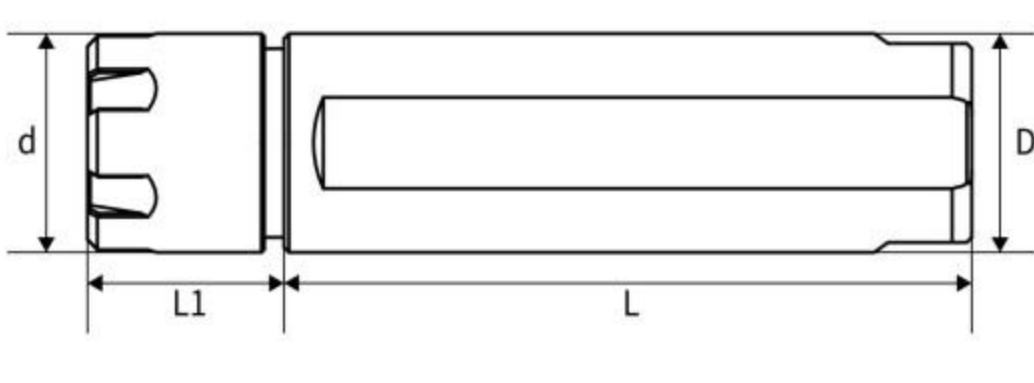
庫存說明:○未在庫可定制品 ●在庫現貨品

走心機鑽杆/單頭

WALKING DRILL PIPE/SINGLE HEAD



ER型 ER TYPE



ORDER NO	MOEL SERIES	尺寸 DIMENSIONS (mm)				內冷螺紋 INTERNAL COLD THREAD	夾持範圍 CLAMPING RANGE	庫存 STOCK
		D	d	L	L1			
613001	ST19.05-ER11A/M-50L	19.05	16	50	15	PT1/8	1-7mm	●
613002	ST19.05-ER11A/M-70L			70				●
613003	ST19.05-ER11A/M-100L			100				●
613004	ST19.05-ER16A/M-50L	20	22	50	20	PT1/4	1-10mm	●
613005	ST19.05-ER16A/M-70L			70				●
613006	ST19.05-ER16A/M-100L			100				●
613007	ST20-ER11A/M-50L	20	16	50	15	PT1/4	1-7mm	●
613008	ST20-ER11A/M-70L			70				●
613009	ST20-ER11A/M-100L			100				●
613010	ST20-ER16A/M-50L	22	22	50	20	PT1/4	1-10mm	●
613011	ST20-ER16A/M-70L			70				●
613012	ST20-ER16A/M-100L			100				●
613013	ST22-ER11A/M-50L	22	16	50	15	PT1/4	1-7mm	●
613014	ST22-ER11A/M-70L			70				●
613015	ST22-ER11A/M-100L			100				●
613016	ST22-ER16A/M-50L	25	22	50	20	PT1/4	1-10mm	●
613017	ST22-ER16A/M-70L			70				●
613018	ST22-ER16A/M-100L			100				●
613019	ST25-ER11A/M-50L	25	16	50	15	PT1/4	1-7mm	●
613020	ST25-ER11A/M-70L			70				●
613021	ST25-ER11A/M-100L			100				●
613022	ST25-ER16A/M-50L	25.4	22	50	20	PT1/4	1-10mm	●
613023	ST25-ER16A/M-70L			70				●
613024	ST25-ER16A/M-100L			100				●
613025	ST25.4-ER11A/M-50L	25.4	16	50	15	PT1/4	1-7mm	●
613026	ST25.4-ER11A/M-70L			70				●
613027	ST25.4-ER11A/M-100L			100				●
613028	ST25.4-ER16A/M-50L	25.4	22	50	20	PT1/4	1-10mm	●
613029	ST25.4-ER16A/M-70L			70				●
613030	ST25.4-ER16A/M-100L			100				●

庫存說明:○未在庫可定制品 ●在庫現貨品

走心機鑽杆/雙頭

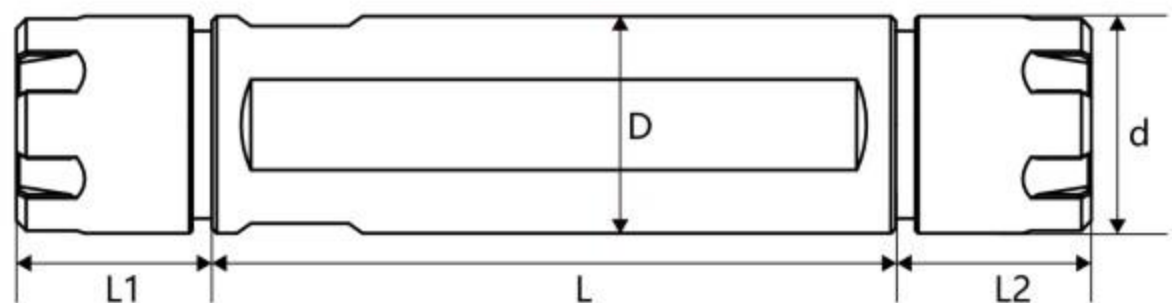
WALKING DRILL PIPE/DOUBLE HEAD



ER型 ER TYPE



accuracy: ≤0.002



單位: mm

ORDER ON	MOEL SERIES	尺寸 DIMENSIONS (mm)				内冷螺紋 INTERNAL COLD THREAD	夾持範圍 CLAMPING RANGE	庫存 STOCK
		D	d	L	L1/L2			
614001	ST19.05-ER11A/M-70L	19.05	16	70	15	PT1/8	1-7mm	●
614002	ST19.05-ER11A/M-90L			90				●
614003	ST19.05-ER16A/M-70L		22	70	20		1-10mm	●
614004	ST19.05-ER16A/M-90L			90				●
614005	ST20-ER11A/M-70L	20	16	70	15	PT1/4	1-7mm	●
614006	ST20-ER11A/M-90L			90				●
614007	ST20-ER16A/M-70L		20	70	20		1-10mm	●
614008	ST20-ER16A/M-90L			90				●
614009	ST22-ER11A/M-70L	22	16	70	15	PT1/4	1-7mm	●
614010	ST22-ER11A/M-90L			90				●
614011	ST22-ER16A/M-70L		22	70	20		1-10mm	●
614012	ST22-ER16A/M-90L			90				●
614013	ST25-ER11A/M-70L	25	16	70	15	PT1/4	1-7mm	●
614014	ST25-ER11A/M-90L			90				●
614015	ST25-ER16A/M-70L		22	70	20		1-10mm	●
614016	ST25-ER16A/M-90L			90				●
614017	ST25.4-ER11A/M-70L	25.4	16	70	15		1-7mm	●
614018	ST25.4-ER11A/M-90L			90				●
614019	ST25.4-ER16A/M-70L		22	70	20		1-10mm	●
614020	ST25.4-ER16A/M-90L			90				●

庫存說明:○未在庫可定制品 ●在庫現貨品

數控車床鑽柄

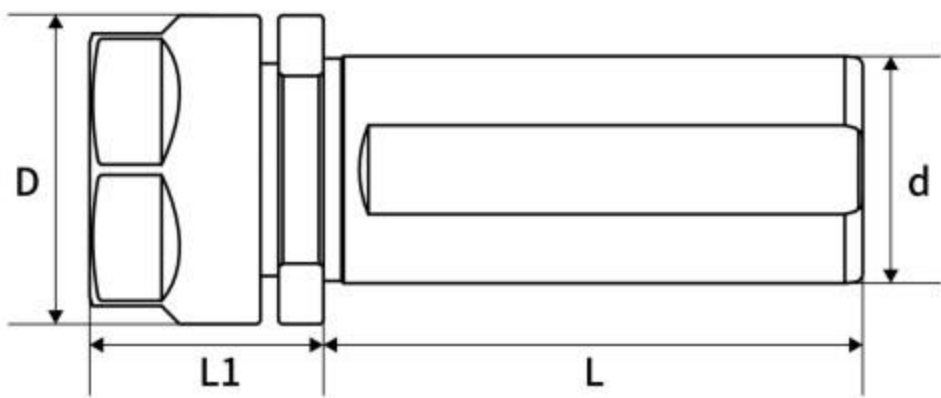
CNC LATHE DRILL PIPE



ER型 LIVE CENTER



accuracy: ≤0.005



單位: mm

刀塔式車床用鑽柄

ORDER ON	MOEL SERIES	尺寸 DIMENSIONS (mm)				內冷接頭 INTERNAL COLD JOINT	夾持範圍 CLAMPING RANGE	庫存 STOCK
		D	d	L	L1			
615001	C20-ER16A-50	28	20	50	25	M14*1.0	1-10	●
615002	C20-ER20A-55	34		55	36		1-13	●
615003	C25-ER16A-50	28	25	50	28	PT3/8	1-10	●
615004	C25-ER20A-50	34		60	42	PT1/2	1-13	●
615005	C25-ER25UM-60	42		75	32		1-16	●
615006	C32-ER20UM-75	34	40	80	32	TP3/4	1-13	●
615007	C32-ER25UM-75	42		80			1-16	●
615008	C40-ER20A-80	34		80			1-20	●
615009	C40-ER25UM-80	42		80			1-25	●
615010	C40-ER32UM-80	50		80				
615011	C40-ER40UM-80	63		80				

四工位車床用四方鑽柄



四方刀座應用場景

ORDER ON	MOEL SERIES	尺寸 DIMENSIONS (mm)						夾持範圍 CLAMPING RANGE	庫存 STOCK
		D	L	L1	L2	W	H		
	中心高20-ER20A	34	100	70	30	30	35	1-13	●
	中心高25-ER20A	34	115	75	40	30	40	1-13	●

庫存說明:○未在庫可定制品 ●在庫現貨品



各種夾頭品牌及規格

單位: mm

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Eugeo(江黑)									
江黑6#	19.05	26	77						
江黑8#	24	33.2	103						
江黑10#	32	42	118						
江黑15#	19	26	76						
江黑25#	25	32.5	102						

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Kitamura									
KL16	22	30	82						
KL20	26	34	92						
KL25	32	42	118						
KL30	37	47	119						

各種夾頭品牌及規格

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Nomura(野村)									
P10/NS-1053	16	22	53	16	20	63			
P16/NS-1653	20	26.2	67	22	26	70.5			
P20	26	36	67	30	35.2	67.5			

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Tornos(瑞士特納斯)									
DEC0200-7(D7)	10	15.5	48	11	14.5	53.3			
DEC0200-10(D10)	13	19.5	64	16	20.5	59			
DEC0200-13(D13)	20	26	54	24	29.5	61	20	26	54
DEC0200-20(D20)	25	35	77	28	38	81	25	35	77
DT26	30	38	65	34	41	87.5			

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Star(星牌)									
S13/SNC15/VNC12/SH12	18	25	67	21	24	58			
SW7/JNC10/RNC10/SNC10	15	21	64	16	20	59			
SA16/SH16/SR16/SR16R/RNC16	20	28	67	22	29	68			
VNC20/SR20/20R/KNC20/SV20/JNC20	26	36	67	30	35	59			
VNC32	37	47	92	42	49	82			
STAR23#	28	35	77	30	35	59	20	26	54
STAR25#	30	42	78	34	41	87.5	25	35	77

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Riken(理研)									
SAD25	30	43	66						
SAD40	48	66	84						
SAD50	56	68	94						
SAD65	75	93	100						

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Hanwha(韓華)									
SL12/SL12S/SL12H	16	21	64	18	22	60			
SL16/XP16	22	30	55	22	29	68			
SL20/XD20	25	35	77	28	33.8	82			
SL32/XD32	37	47	92	42	49	82			
SL35/XD35	40	50	92	45	52	82			

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
	d	D	L	d	D	L	d	D	L
Hvdromat									
W20	20	26.5	73						
W25	25	33.7	97.5						

走心機夾頭、導套、備夾



WALKING CHUCK, GUIDE SLEEVE, SPARE CLIP

各種夾頭品牌及規格

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
Citizen(西鐵城)	d	D	L	d	D	L	d	D	L
R04	8	11.2	36	9	12.5	38.5			
L10/R07	15	20	45.5	16	20	50			
A12/B12/C12/M12	16	21	62	18	22	60			
A16/C16/M16- 111	20	28	67	22	29	68	20	28	67
L16/L20/M20/E16/E20/F16/F20	26	36	67	30	35	59	26	36	67
L25/F25/E25	30	42	78	34	41	87.5	30	42	78
C32/L32/M32/E32	37	47	92	42	48	82	37	47	92
BL12	19.05	26	77				16	21	62
BL20	33	41	100				26	36	67
BL25	33	41	100				30	42	78
L38	48	60	94	48	54	82			

Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
Tsugami(津上)	d	D	L	d	D	L	d	D	L
T7/B007	10	16	47	11	14.5	52	10	16	47
L10/NT11	14	20	47	15	19	54			
B026/BU26	33	40	80	34	41	87.5			
BA26	33	40	80	33	38	70	33	40	80
NP16/NP17/NT17/B012/BS12	23.8	28	62	23	28	72	23.8	28	62
BS20/S20	28	35	77	30	36	70	25	35	77
BM16	30	38	75				16	21	64
							23.8	28	62
B032	37	44	91.2	41	46	82			
B0385	43	53	92	48	54	81	48	54	100
B0385L	58	70	105				48	54	100
B0385C	48	54	100				48	54	100

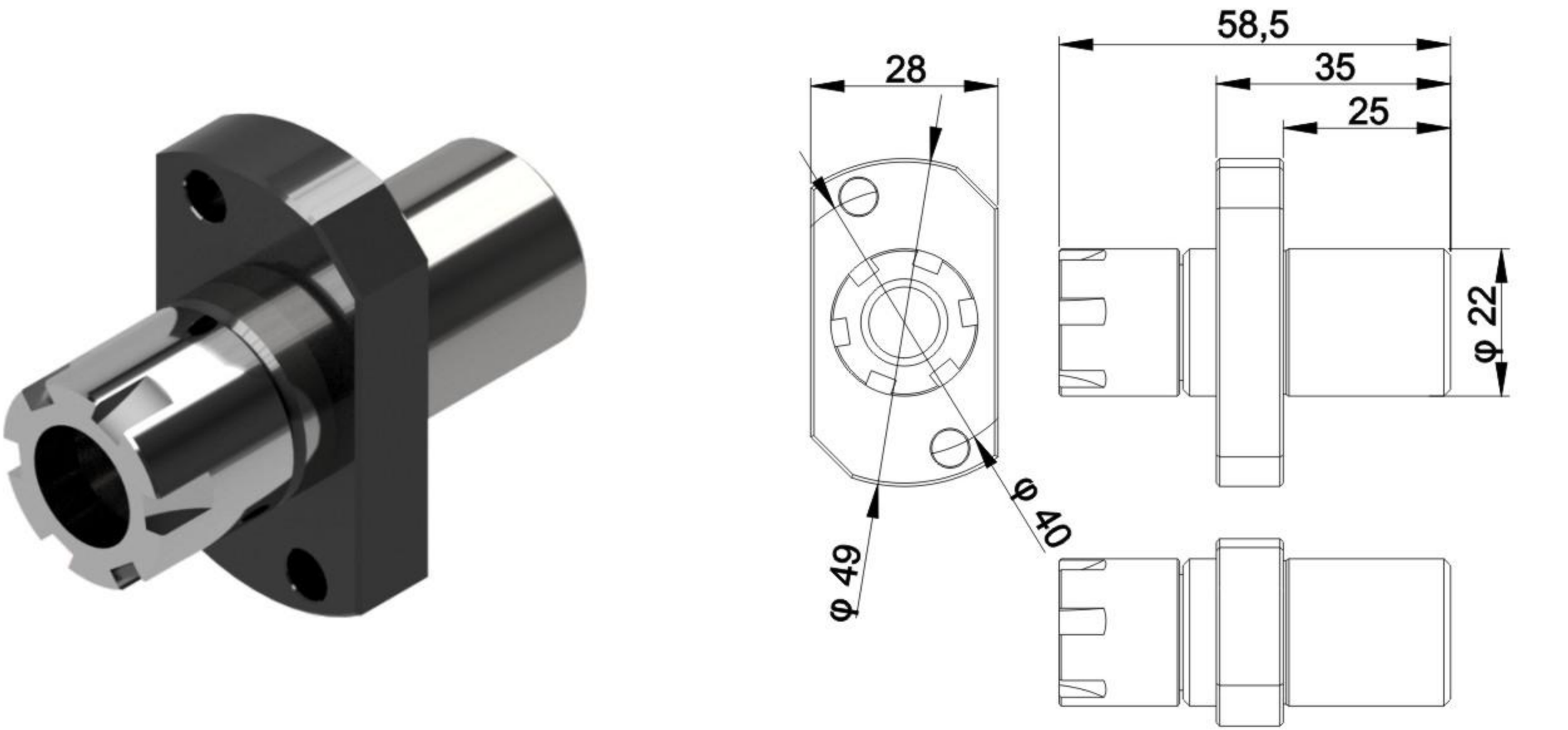
Models	Coller(主軸)			GuideBush(導套)			SubCollet(副軸)		
Miyano(宮野)	d	D	L	d	D	L	d	D	L
BNC20	27	38	73						
BNC34	44.4	54	108						
BNF16(148E)	28	38	70				22	30.5	55
BM35	53	70.3	105						
171E	42	55	94						
173E	48	60	94						
176E	56	68	94						
177E	58	70	94						

背軸鑽孔刀座

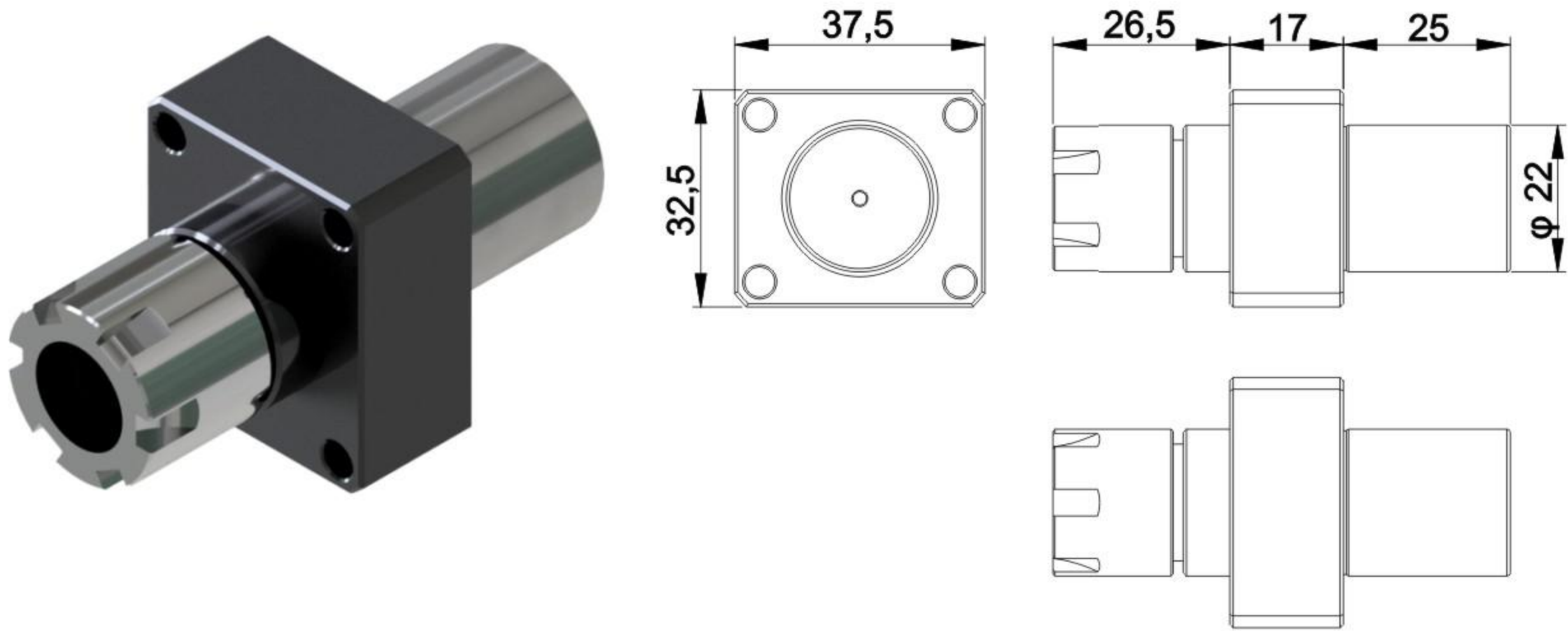


BACK SHAFT DRILLING TOOL HOLDER

背面鑽孔座 BACK DRILLING SEAT



ORDER ON	STAR 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
621001	621001	/	/	/	10.0	ER16



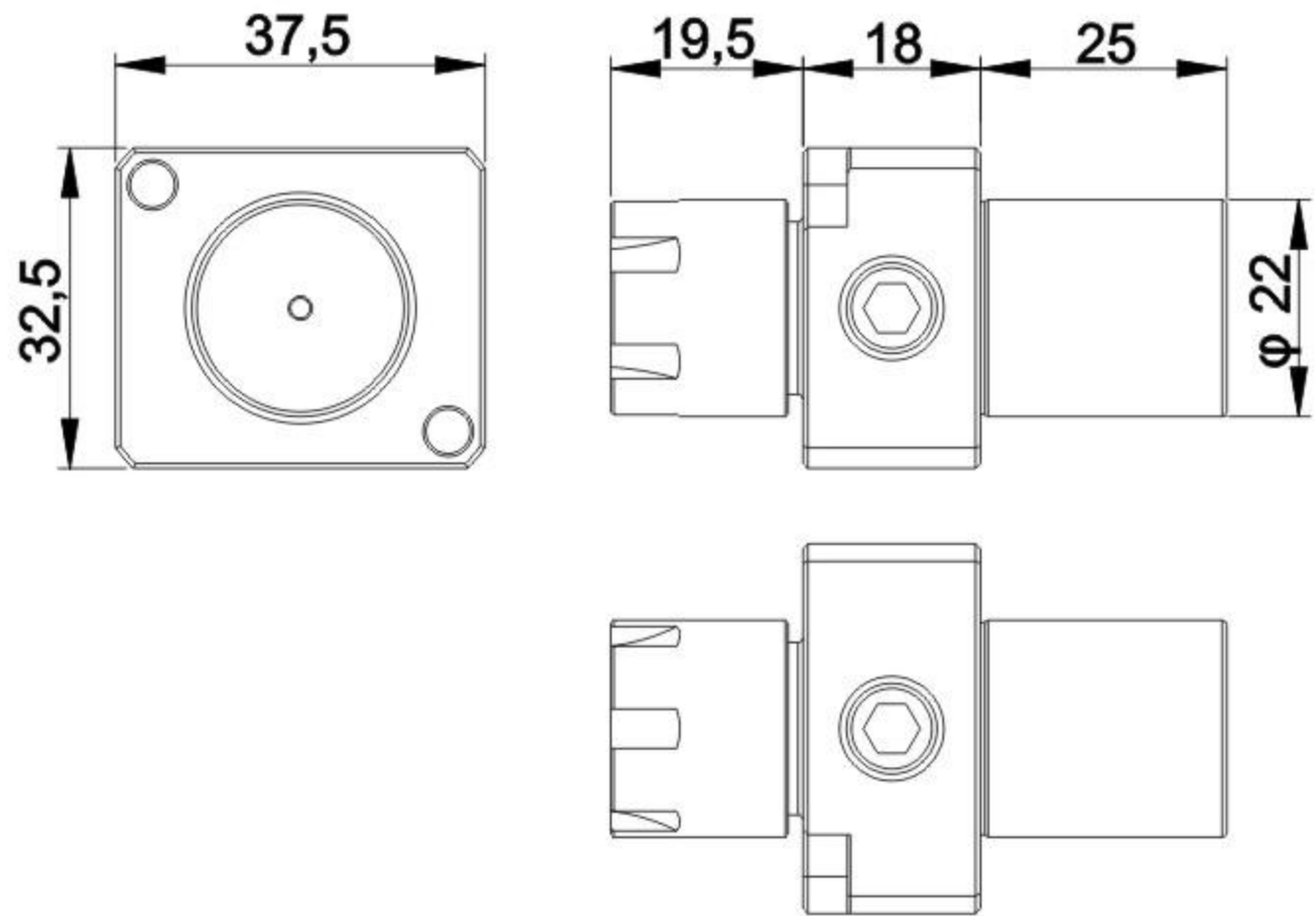
ORDER ON	STAR 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
622001	622001	/	/	22	10.0	ER16

背軸鑽孔刀座

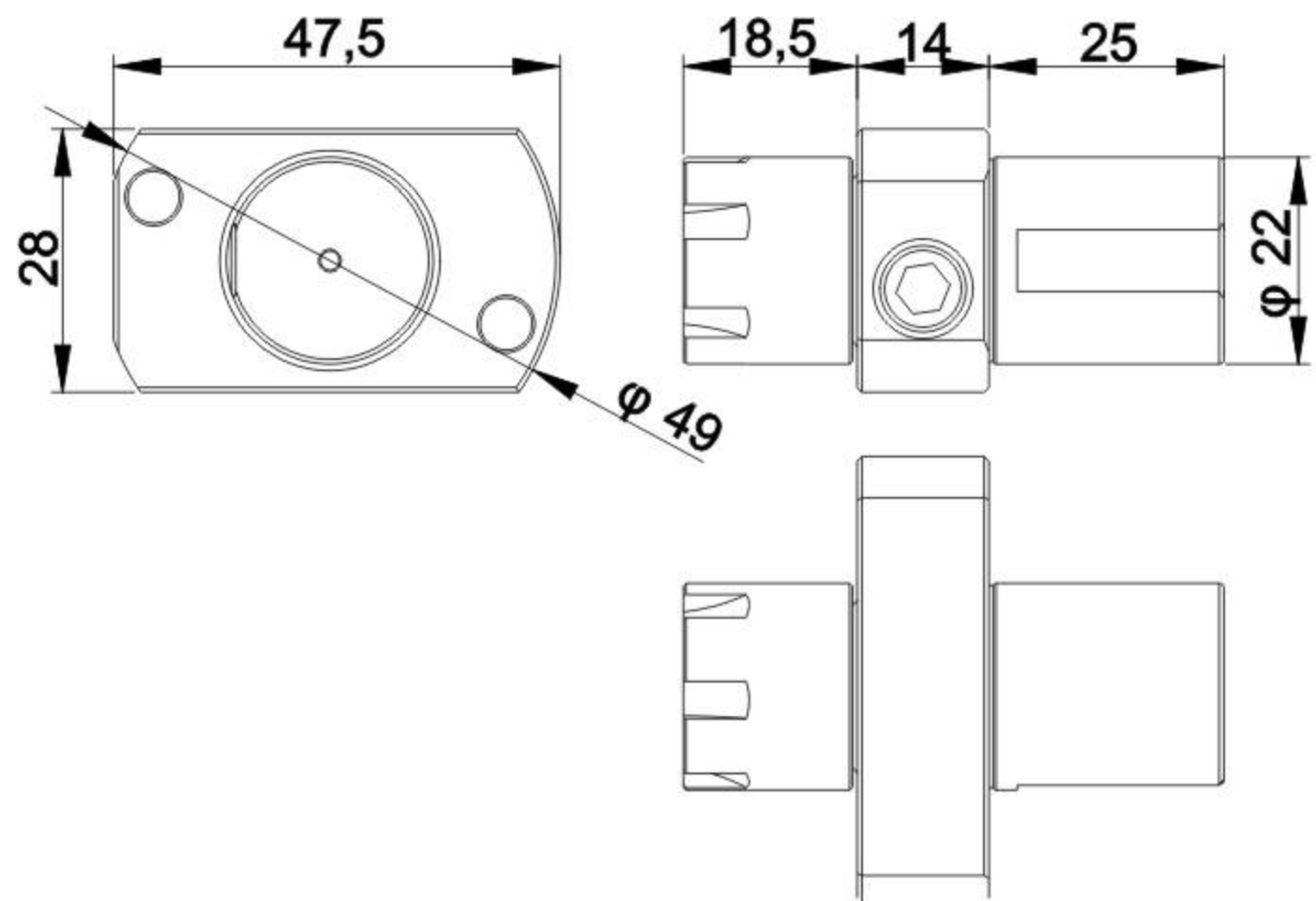
BACK SHAFT DRILLING TOOL HOLDER



背面鑽孔座(中心出水) BACK DRILLING SEAT (CENTER OUTLET)



ORDER ON	STAR 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
623001	623001	/	/	22	10.0	ER16



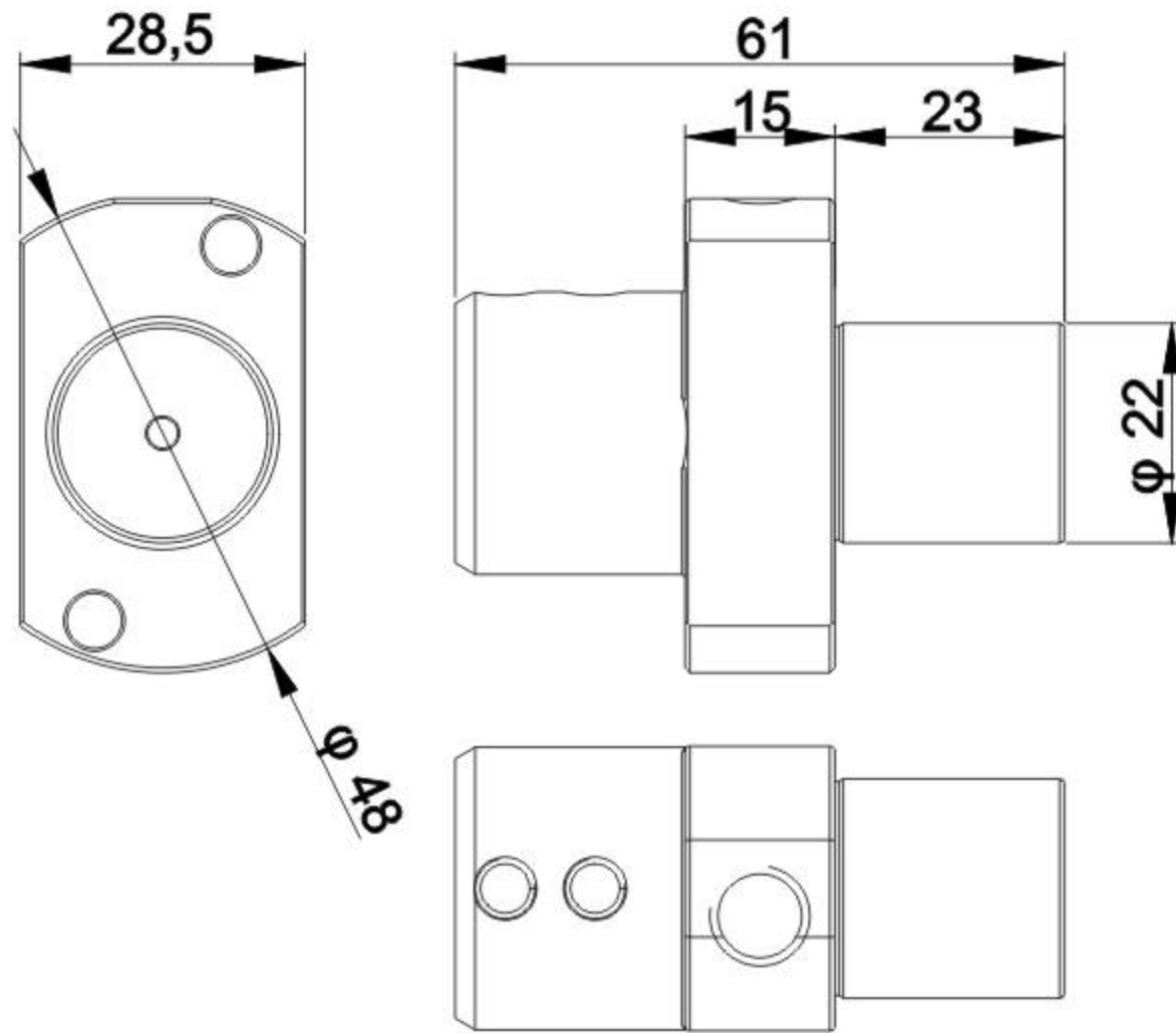
ORDER ON	STAR 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
624001	624001	/	/	22	10.0	ER16

背軸鑽孔刀座

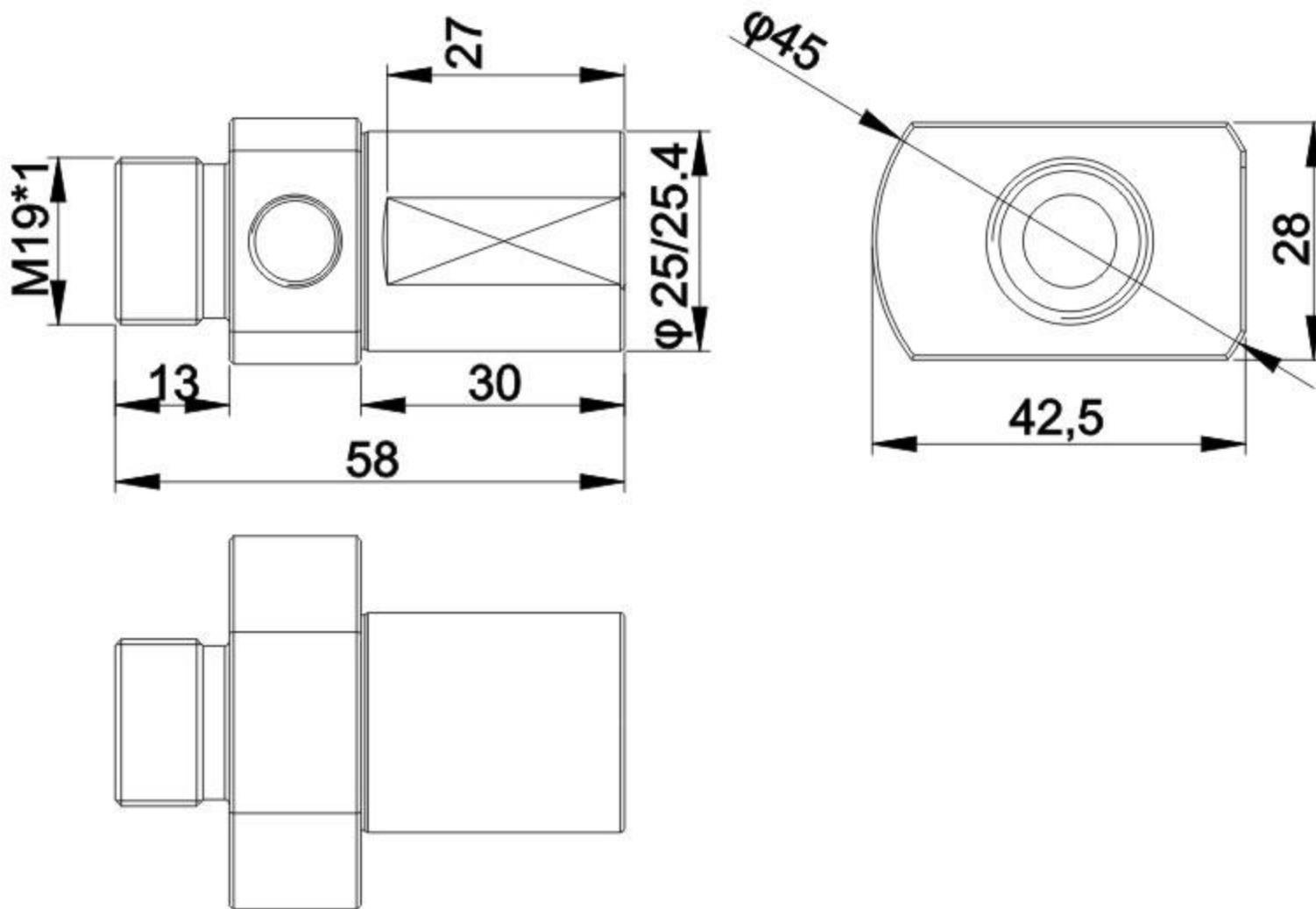
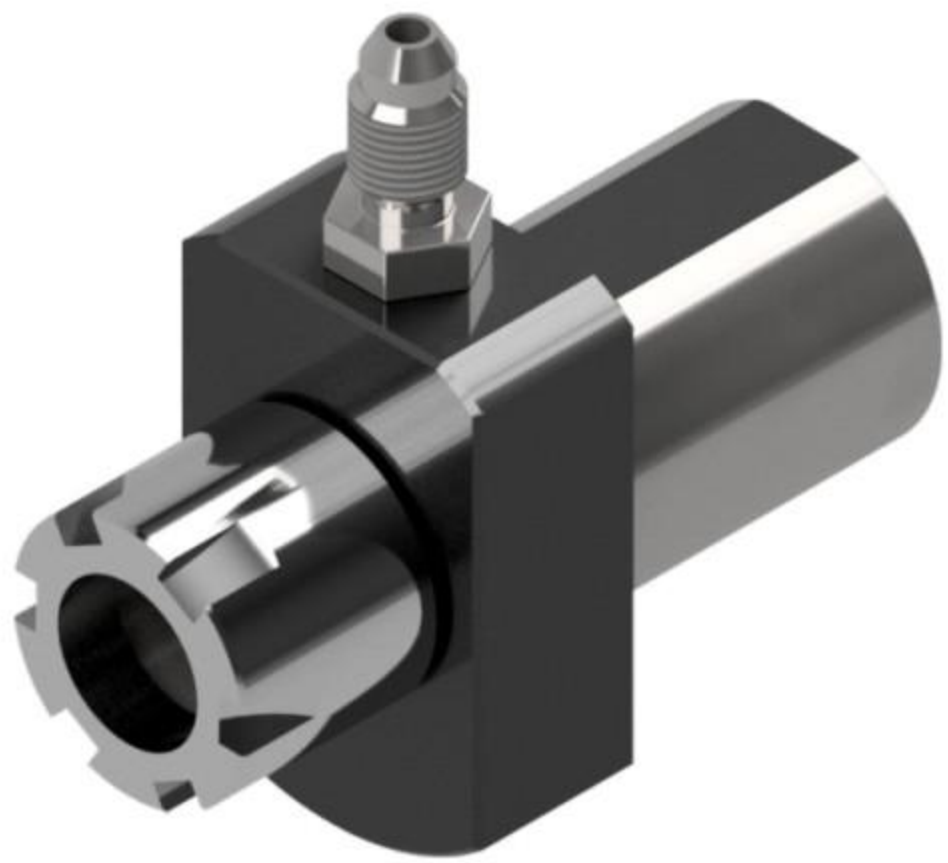
BACK SHAFT DRILLING TOOL HOLDER



背面鑽孔座 BACK DRILLING SEAT



ORDER ON	STAR 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
625001	625001	/	/	22	6/8/10/12/16	/



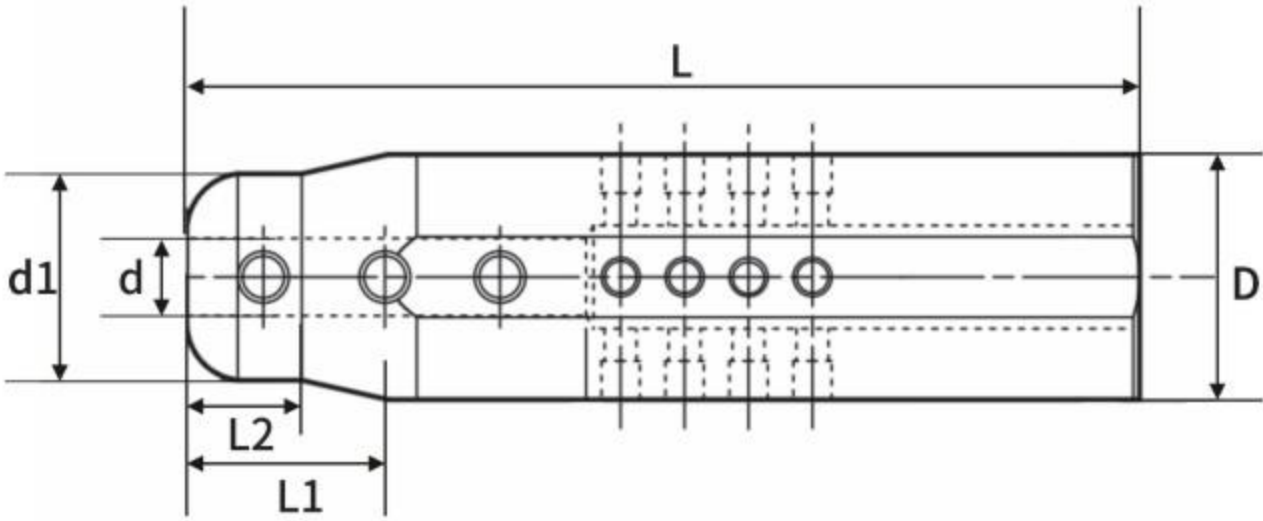
ORDER ON	CITIZEN 編號	轉速比 SPEED RATIO	最高轉速 MAXIMUM SPEED	柄徑 HANDLE DIAMETER	孔徑 APERTURE	使用筒夾 USE A COLLET
626001	626001	/	/	25/25.4	10.0	/

小徑鏜刀杆/定位出水

SMALL DIAMETER BORING TOOL BAR/POSITIONING WATER OUTLET



PH-CT出水型 PH-CT TYPE



- 1.廣泛用于CNC數控車床、斜軌車床、走心機等設備使用
- 2.中心出水和定位設計，滿足客戶加工需求
- 3.本體精度：0.01mm
- ※支持非標定制
- 1. Widely used in CNC lathe, inclined rail lathe, driving machine and other equipment
- 2. Central outlet and positioning design to meet customer processing requirements
- 3. Body accuracy: 0.01mm
- ※ Support non-standard customization

單位：mm

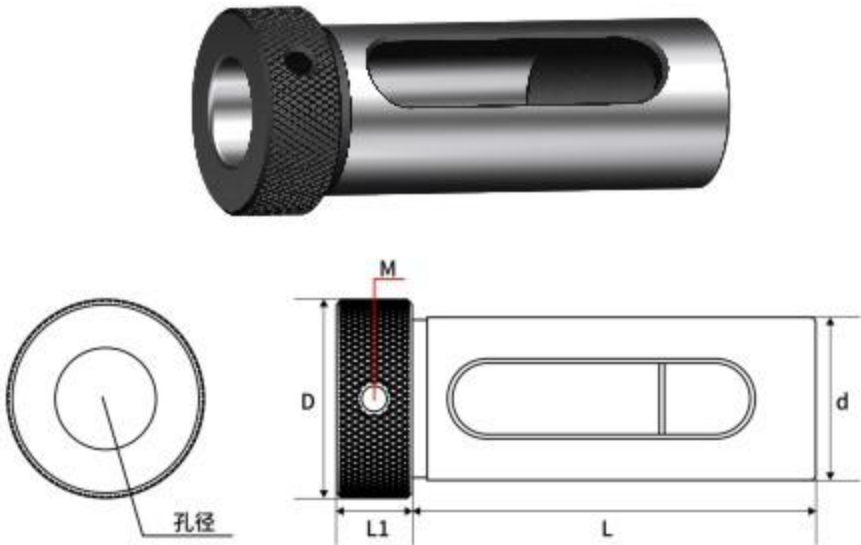
ORDER ON	MOEL SERIES	D	d	L	L1	L2	螺絲 SCREW	內冷螺紋 INTERNAL COLD THREAD
627001	PH 03-1016CT-120	16	3-10	120	16	8	HS3-4P	PT8/1
627002	PH 03-101905CT-120	19.05						PT4/1
627003	PH 03-1020CT-120	20						
627004	FH 03-1022CT-120	22						
627005	PH 03-1025CT-120	25						
627006	PH 03-102504CT-120	25.4						

車床變徑套/出水

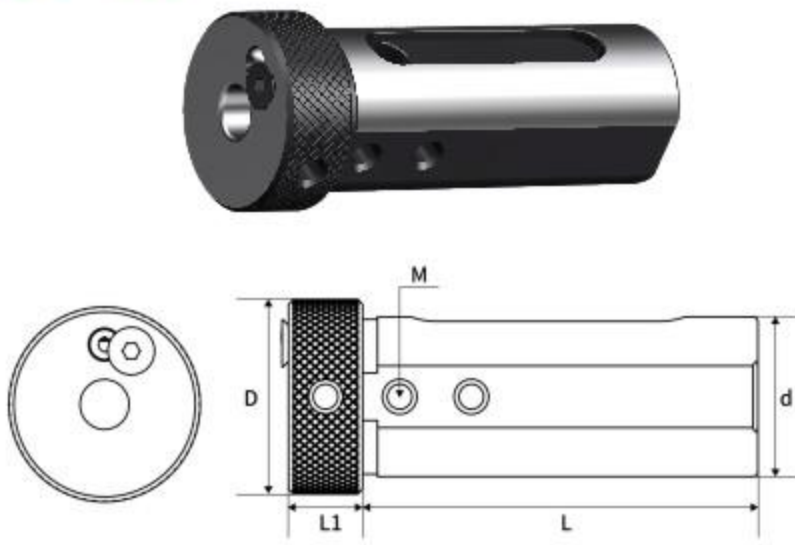
LATHE TAPER SLEEVE/DISCHARGE



NC型 NC TYPE



NC-A型 NC-A TYPE



變徑套外徑公差:-0.01mm,內徑公差:+0.01mm,硬度:HRC50°

單位：mm

ORDER ON	MOEL SERIES	孔徑 APERTURE	尺寸 DIMENSIONS (mm)			庫存 STOCK
			D	d	L	
631001	NC2004	4	27	20	67	
631002	NC2005	5				
631003	NC2006	6				
631004	NC2008	8				
631005	NC2010	10				
631006	NC2012	12				
631007	NC2014	14				
631008	NC2016	16				
631009	NC2504	4	34	25	64	
631010	NC2505	5				
631011	NC2506	6				
631012	NC2508	8				
631013	NC2510	10				
631014	NC2512	12				
631015	NC2514	14				
631016	NC2516	16				
631017	NC2520	20				
631018	NC3204	4	39	32	95	
631019	NC3205	5				
631020	NC3206	6				
631021	NC3208	8				
631022	NC3210	10				
631023	NC3212	12				
631024	NC3214	14				
631025	NC3216	16				
631026	NC3218	18				
631027	NC3220	20				
631028	NC3225	25				
631029	NC4006	6	49	40	100	
631030	NC4008	8				
631031	NC4010	10				
631032	NC4012	12				
631033	NC4014	14				
631034	NC4016	16				
631035	NC4018	18				
631036	NC4020	20				
631037	NC4025	25				
631038	NC4032	32				

※以上產品均為標準夾頭，如有非標可按尺寸定做
※ The above products are standard chuck, if there are non-standard
can be customized according to the size

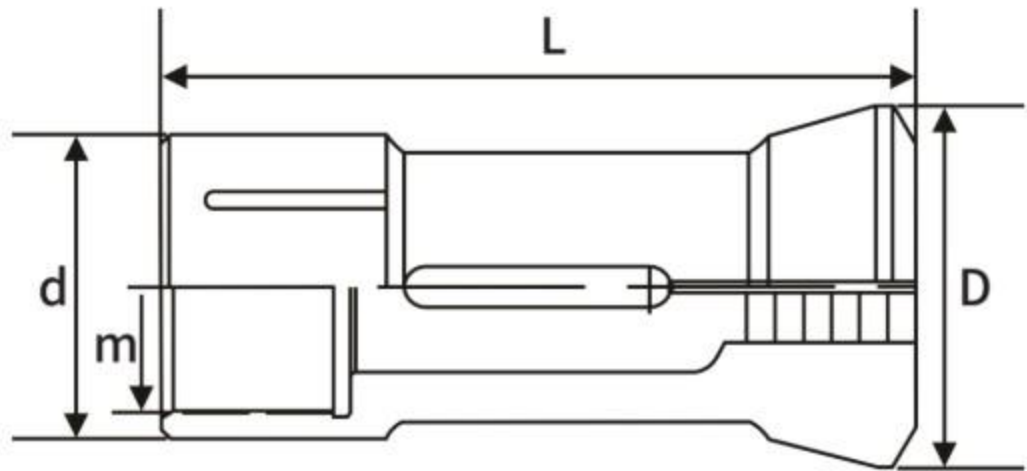
我們對服務的重視・遠高于業務
Our emphasis on service・Far above business

車床後拉式簡夾

LATHE BACK PULL CLIP



CK型 CK-TYPE



※以上產品均為標準夾頭，如有非標可按尺寸定做
※ The above products are standard chuck, if there are non-standard can be customized according to the size

單位：mm

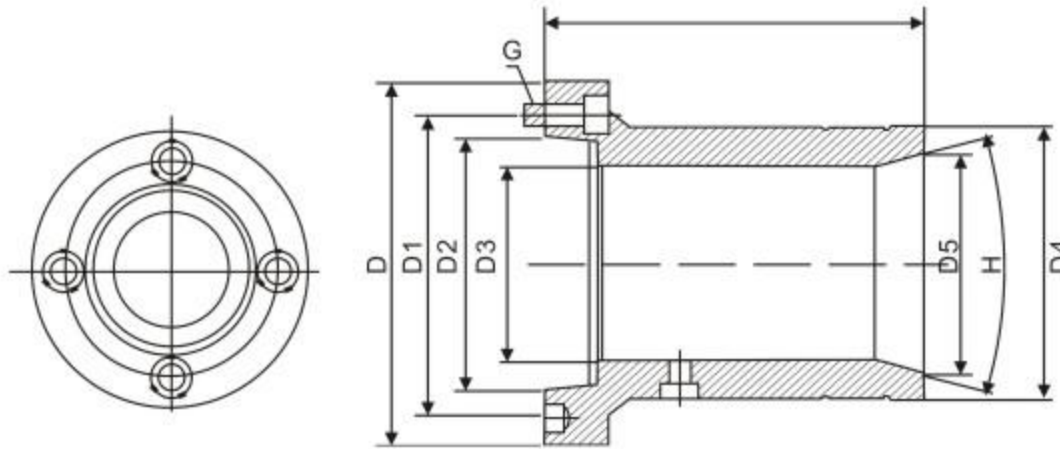
ORDER ON	MOEL SERIES	D	d	L	L1	max		
						○	⬡	□
632001	CK28	49	40	103	M34*2	28	H24	S18
632002	CK36	60	49	103	M44*2	36	H31	S27
632003	CK36A	65	56	103	M44*2	36	H31	S27
632004	CK42	65	56	103	M50*2	42	H31	S30
632005	CK46	74	63	103	M55*2	46	H39	S32
632006	CK52	80	70	103	M60*2	52	H45	S37
632007	CK56	87	75	103	M65*2	56	H48	S39
632008	CK65	100	85	120	M75*2	68	H58	S48
632009	CK630	55	43	80	M37*1.5	30	H25	S21
632010	CK640	70.4	56	98	M48*1.5	40	H38	S31

車床後拉式軸頭

PULL-BACK SPINDLE HEAD OF LATHE



CK型 CK-TYPE



※以上產品均為標準軸頭，如有非標可按尺寸定做
※ The above products are standard chuck, if there are non-standard can be customized according to the size

單位：mm

ORDER ON	MOEL SERIES	D	D1	D2	D3	L	D4	H	D5	G
633001	CK28-A2-4	109	82.6	63.51	40	115	65	30°	49	M10
633002	CK36-A2-4	109	82.6	63.51	49	115	75	30°	59	M10
633003	CK42-A2-4	109	82.6	63.51	56	115	82	30°	64	M10
633004	CK640-A2-4	109	82.6	63.51	56	115	85	45°	69	M10
633005	CK28-A2-5	129	104.8	82.56	40	115	65	30°	49	M10
633006	CK36-A2-5	129	104.8	82.56	49	115	75	30°	59	M10
633007	CK36A-A2-5	129	104.8	82.56	56	115	82	30°	64	M10
633008	CK42-A2-5	129	104.8	82.56	56	115	82	30°	64	M10
633009	CK46-A2-5	129	104.8	82.56	65	118	92	30°	74	M10
633010	CK640-A2-5	129	104.8	82.56	56	115	85	45°	69	M10
633011	CK42-A2-6	159	133.4	106.37	56	115	82	30°	64	M12
633012	CK46-A2-6	159	133.4	106.37	65	115	92	30°	74	M12
633013	CK52-A2-6	159	133.4	106.37	70	120	103	30°	79	M12
633014	CK65-A2-6	159	133.4	106.37	80	135	120	30°	99	M12
633015	CK640-A2-6	159	133.4	106.37	80	115	85	45°	69	M12

高精度彈性筒夾

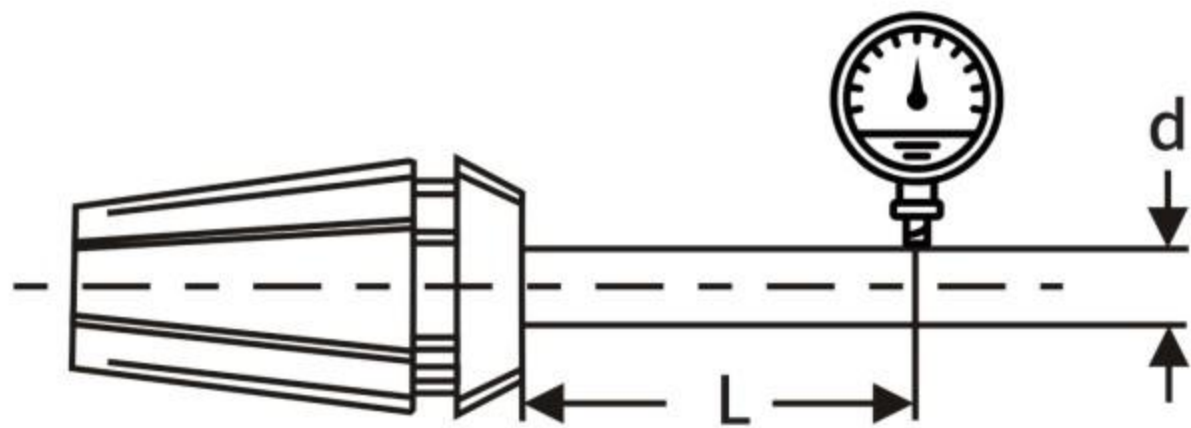


HIGH PRECISION ELASTIC COLLET CHUCK

ER型 LIVE CENTER



檢測條件 TEST CONDITIONS		跳動精度 BEAT ACCURACY	
d	l	AA	UP
1.0-1.5	6	0.006	0.01
2.0-2.5	10	0.006	0.01
3.0-6.0	16	0.003	0.005
7.0-10.0	25	0.003	0.005
11.0-18.0	40	0.003	0.005
19.0-25.0	50	0.003	0.005



訂購時請注明精度等級“AA”“UP”
PLEASE INDICATE THE ACCURACY GRADE "AA" AND "UP" WHEN ORDERING

單位: mm

ORDER ON	MOEL SERIES	d	D	L
634001	ER8	3、4、5、(8/1即為3.175mm)	27	20
634002	ER11	3、4、5、6、7、(8/1即為3.175mm)	34	25
634003	ER16	3、4、5、6、7、8、9、10(8/1即為3.175mm)	39	32
634004	ER20	3、4、5、6、7、8、9、10、11、12、13(8/1即為3、175mm)	49	40
634005	ER25	3、4、5、6、7、8、9、10、11、12、13、14、15、16、 (8/1即為3.175mm)	49	40
634006	ER32	3、4、5、6、7、8、9、10、11、12、13、14、15、16 17、18、19、20(8/1即為3.175mm)	49	40
634007	ER40	3、4、5、6、7、8、9、10、11、12、13、14、15、16、17、18、 19、20、21、22、23、24、25(8/1即為3.175mm)	49	40

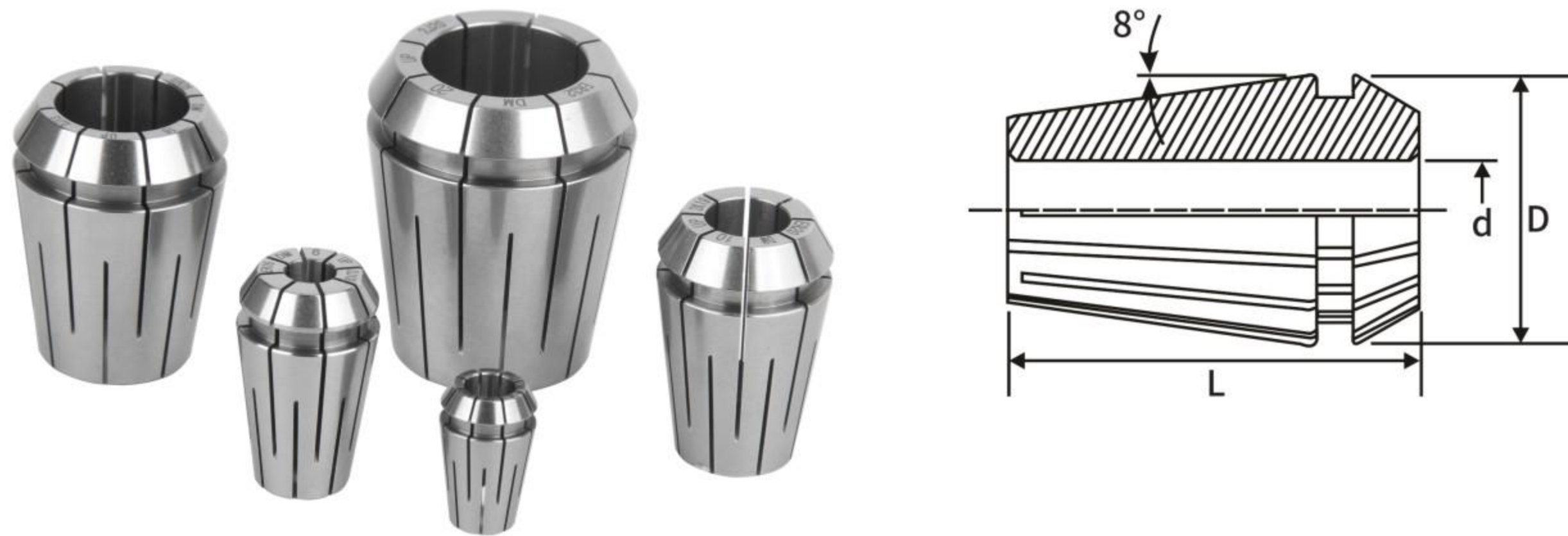
高精度止水筒夾



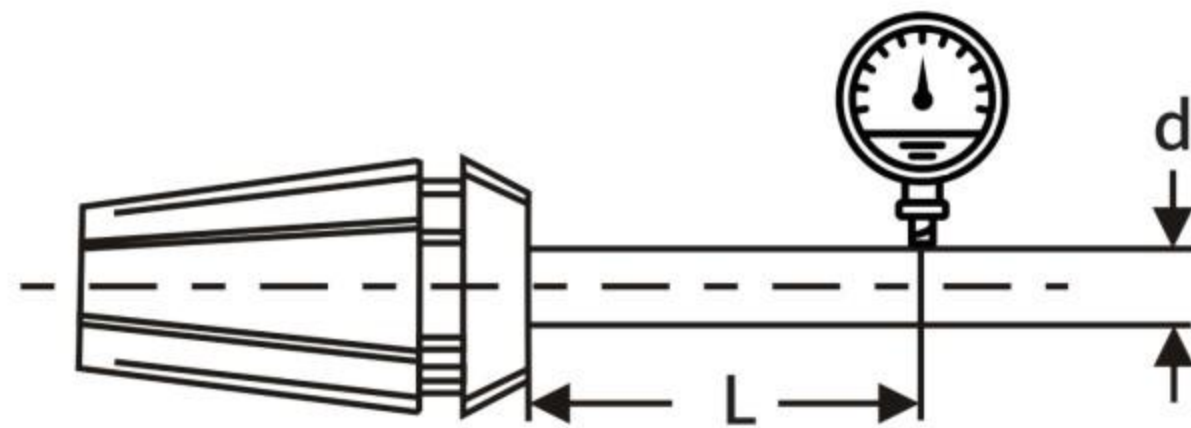
HIGH PRECISION WATER STOP CLIP

ER-DM型 ER-DM TYPE

止水型



檢測條件 TEST CONDITIONS		跳動精度 BEAT ACCURACY	
d	l	AA	UP
1.0-1.5	6	0.006	0.01
2.0-2.5	10	0.006	0.01
3.0-6.0	16	0.003	0.005
7.0-10.0	25	0.003	0.005
11.0-18.0	40	0.003	0.005
19.0-25.0	50	0.003	0.005



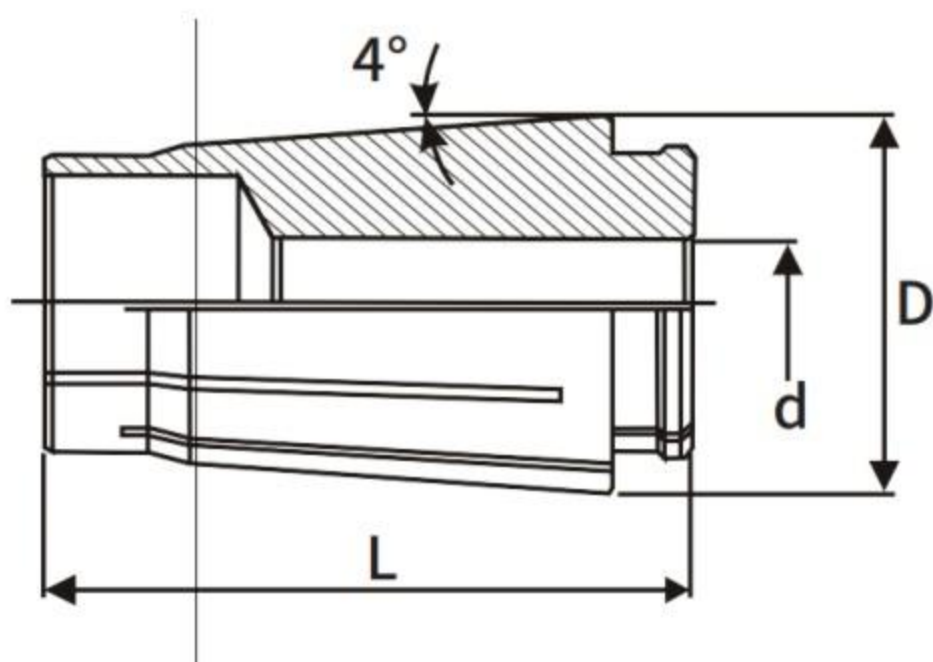
訂購時請注明精度等級“AA”“UP”
PLEASE INDICATE THE ACCURACY GRADE "AA" AND "UP" WHEN ORDERING

單位: mm

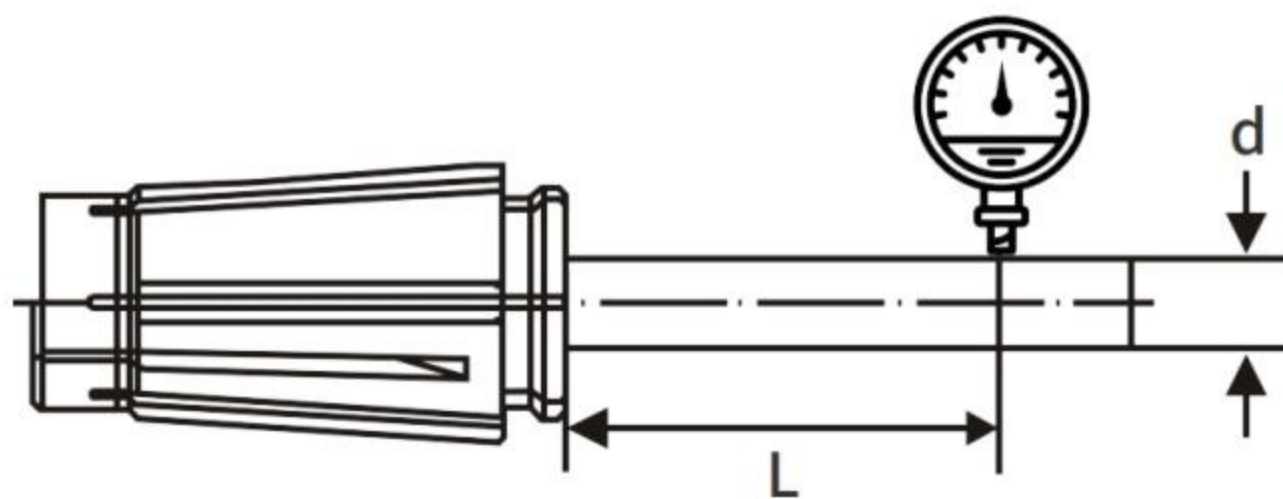
ER-DM 止水彈性筒夾

ORDER ON	MOEL SERIES	孔徑 d APERTURE	D	L	重量 Weight (kg)	庫存 STOCK
635001	ER11-DM	3.0, 4.0, 5.0, 6.0, 7.0, 1/8"	11.5	18	0.01	●
635002	ER16-DM	4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0	17	27	0.03	●
635003	ER20-DM	4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0 11, 12, 13	21	31	0.04	●
635004	ER25-DM	6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0 13.0, 14.0, 15.0, 16.0	26	35	0.07	●
635005	ER32-DM	6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0	33	40	0.15	●

SK型 LIVE CENTER



檢測條件 TEST CONDITIONS		跳動精度 BEAT ACCURACY	
d	l	AA	UP
1.0-1.5	6	0.006	0.01
2.0-2.5	10	0.006	0.01
3.0-6.0	16	0.003	0.005
7.0-10.0	25	0.003	0.005
11.0-18.0	40	0.003	0.005
19.0-25.0	50	0.003	0.005

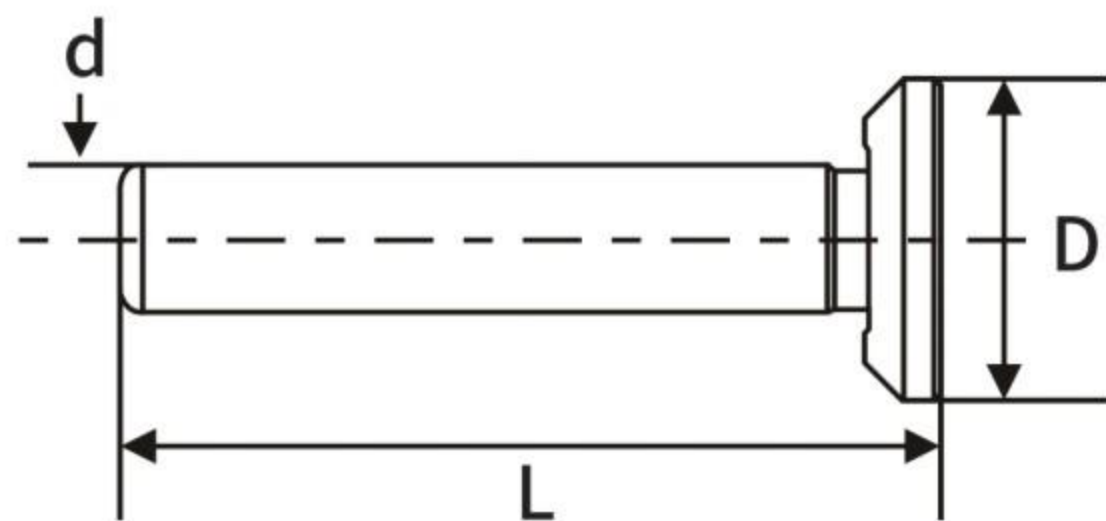


訂購時請注明精度等級“AA”“UP”
PLEASE INDICATE THE ACCURACY GRADE "AA" AND "UP" WHEN ORDERING

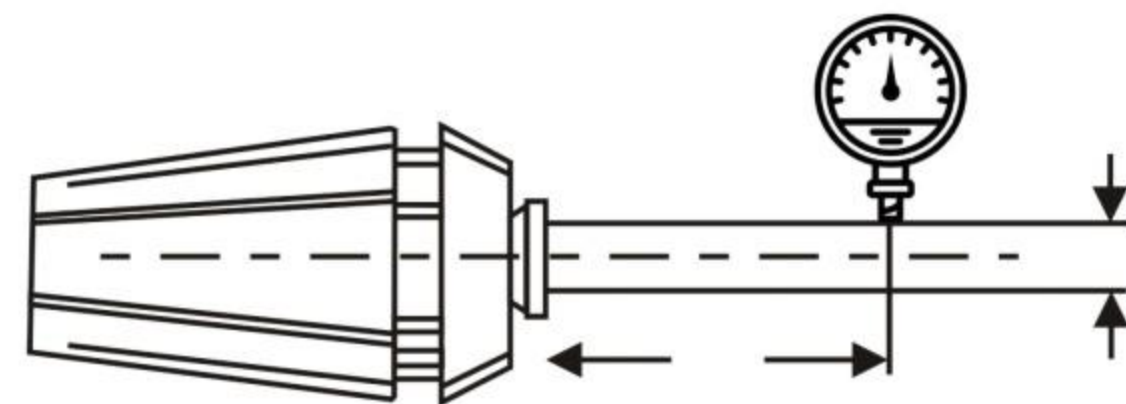
單位: mm

ORDER ON	MOEL SERIES	d	D	L
636001	SK06	3、4、5、6(8/1即為3.175mm)	10.5	25
636002	SK10	3、4、5、6、7、8、9、10(8/1即為3.175mm)	15.6	30
636003	SK13	3、4、6、8、9、10、12(8/1即為3.175mm)	20.1	39
636004	SK16	3、4、5、6、7、8、9、10、11、12、13、14、15、16、 (8/1即為3.175mm)	24.5	45
636005	SK20	6、8、10、12、14、15、16、18、20	30	50
636006	SK25	6、8、10、12、14、15、16、20、25	35.6	57

HSC型 HSC TYPE



夾持範圍 TEST CONDITIONS		DING 6499/ISO 15488-標準
d	L	0.008
0.8-2.5	4	



訂購時請注明精度等級“AA”“UP”
PLEASE INDICATE THE ACCURACY GRADE "AA" AND "UP" WHEN ORDERING

1. 迷你微小徑夾頭廣泛應用於醫療，電路板，光學元件，以及有些染料模具的小排氣孔機械加工等。
 2. 建議選擇“UP級<0.005精度”或者更高精度的“基礎夾頭”，作為“迷你微小徑夾頭”的“基礎夾頭”。因“微型刀具”在高轉速時，跳動大容易折斷刀具，因此建議使用高精度UP級夾頭作為“基礎夾頭”使用。
1. Mini micro-diameter chuck is widely used in medical treatment, circuit boards, optical components, and some dye molds. Machining with small exhaust holes, etc.
2. It is recommended to choose the "UP-level < 0.005 precision" or higher precision "basic chuck" as the "puzzle". The "basic chuck" of your micro-diameter chuck is easy to jump when the "micro-cutter" rotates at high speed. The tool is broken, so it is recommended to use the high-precision UP chuck as the "basic chuck".

單位: mm

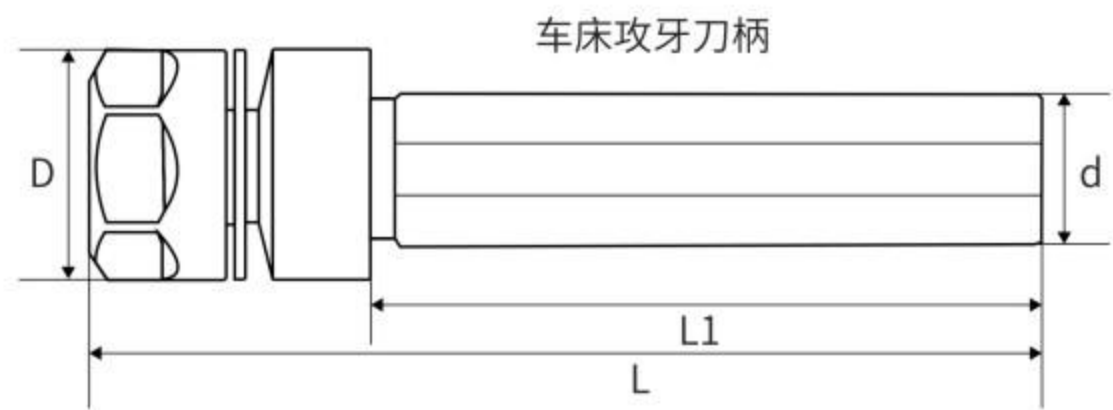
ORDER ON	MOEL SERIES	夾持範圍 CLAMPING RANGE	D	L	d
641001	HSC4	0.8/0.9/1.0/1.1/1.2/1.3/1.4/ 1.5/1.6/1.7/1.8/1.9/2.0/2.1/ 2.2/2.3/2.4/2.5	9	4	22

直柄攻牙刀杆

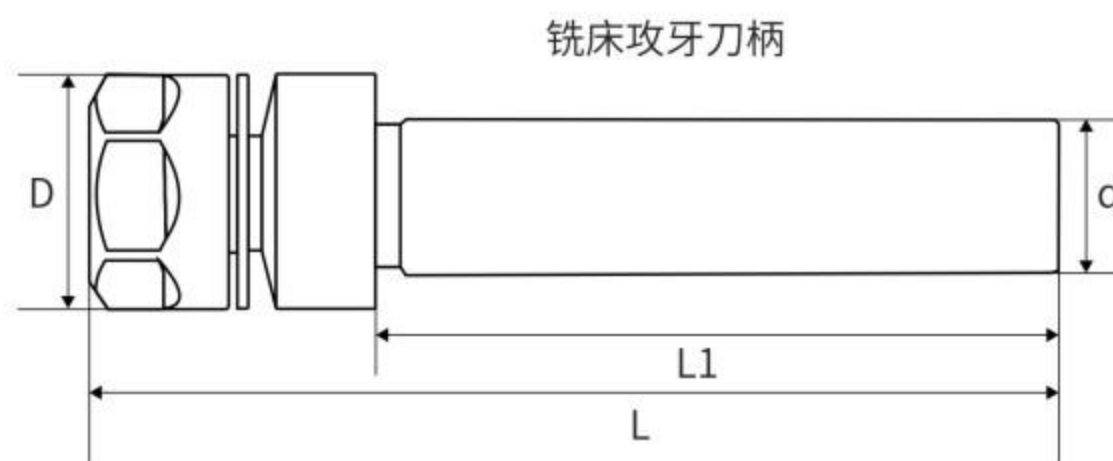
TAPPING TOOL WITH STRAIGHT HANDLE



ST型 ST TYPE



STC型 STC TYPE



單位：mm

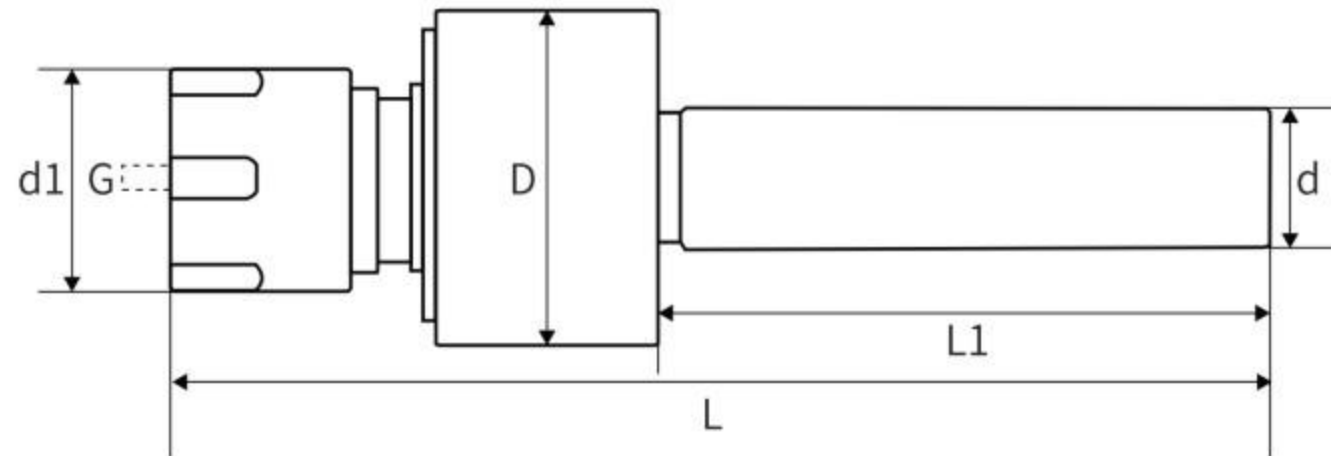
ORDER ON	MOEL SERIES	L	L1	D	d	夾持範圍 CLAMPING RANGE
642001	ST-C20-ER16-70L	113	70	28	20	M2~M12
642002	ST-C25-ER16-70L	113	70	28	25	M2~M12
642003	ST-C-C20-ER16-70L	113	70	28	20	M2~M12
642003	ST-C-C25-ER16-70L	113	70	28	25	M2~M12

浮動較刀柄

FLOAT MORE THAN THE SHANK



ER型 ER TYPE



單位：mm

ORDER ON	MOEL SERIES	d1	D	d	L	L1	G單邊浮動量 G UNILATERAL FLOATING QUANTITY
643001-10	ER11	16	25	10	78	44	0.5
643001-16	ER11			16			
643001-20	ER11			20			
643001-20	ER20	28		20	82		
643001-25	ER20			25			
643001-32	ER20			32			

ER螺帽 ER NUT



※以上產品均為標準螺帽，如有非標可按尺寸定做
※ The above products are standard nuts, if there are non-standard can be customized according to size