



刀座型錄 Tool Holder



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Special Tool holder





GPM



霄特國際

01

技術亮點 | 四大核心優勢

Technical Highlights | Our 4 Core Advantages -

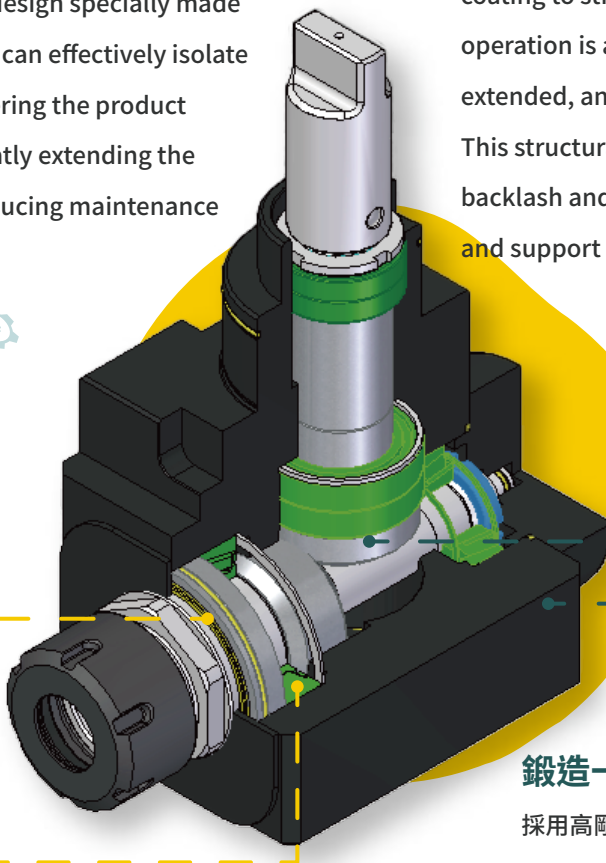


特殊端面密封技術

專為車銑加工環境設計的多層式密封結構，
能有效隔絕冷卻液與鐵屑進入內部傳動系統，
大幅延長刀座壽命並降低維修頻率。

Special sealing technology

The multi-layer sealing structure design specially made for turning and milling processing can effectively isolate coolant and metal chips from entering the product internal transmission system, greatly extending the life time of the tool holder and reducing maintenance frequency.



全系列搭載 NSK / SKF 進口軸承

依據加工應用，配置兩種軸承形式：

- 斜角滾柱軸承：能同時承受徑向與軸向重負載，廣泛應用於需大扭矩、重切削之加工。
- 角接觸滾珠軸承：具高剛性、高精度、高轉速特性，廣泛應用於精密加工。

Equipped with NSK / SKF bearings

According to the processing application, 2 types of bearings are configured:

- Tapered roller bearings: ideal for supporting simultaneous radial and axial loads and are widely used in large torque and heavy cutting processing.
- Angular contact ball bearings: have high rigidity, high precision, and high-speed characteristics and are widely used in precision processing.

靜音傳動結構、精密傘齒傳動設計

透過齒形優化與耐磨塗層強化齒面，實現低噪音運轉、
延長傘齒壽命、降低傘齒磨損。此結構設計能有效降低
背隙與噪音，確保傳動扭矩穩定，支援重切削加工。

Silent transmission structure, Precision bevel gear transmission design

Through serration optimization and wear-resistant coating to strengthen serration surface. Low-noise operation is achieved, lifetime of bevel gear is extended, and wear of bevel gear is reduced. This structural design can effectively reduce backlash and noise, ensure stable transmission torque, and support heavy cutting processing.

鍛造一體式本體結構

採用高剛性鍛鋼一體成型，
避免螺栓連接可能產生的結構鬆動與精度劣化，
並提供穩固的切削支撐。



Forged Monoblock body structure

Made of high-rigidity forged steel to avoid structural looseness and precision degradation that may be caused by bolt connections, and provides stable cutting performance.

提供 各式刀座介面

GPM supplies various tool holder interfaces:

- ▶ 因代克斯, 德馬吉森精機, 馬扎克, 大隈, 津上, 宮野, 瀧澤, 西鐵城, 中村留, 斗山 (迪恩), 哈挺, 哈斯, 程泰...等等
- ▶ Index, DMG MORI, Mazak, OKUMA, Tsugami, Miyano, TAKISAWA, Citizen, Nakamura-Tome, Doosan, Hardinge, Haas, Goodway... and many others.



▶ MAZAK



▶ Tsugami



▶ Okuma



▶ Nakamura



▶ Doosan



▶ DMG MORI

提供 特殊刀座 & 測試棒

GPM supplies special tool holder & Accessories:



軸向偏心動力刀座
Axial drilling and
milling head offset



萬向動力刀座
Universal live
tool holder



插槽動力刀座
Broaching unit



滾齒動力刀座
Gear hobbing unit



VDI 90° 動力刀座
Driven Tool Holder



VDI 0° 動力刀座
Driven Tool Holder



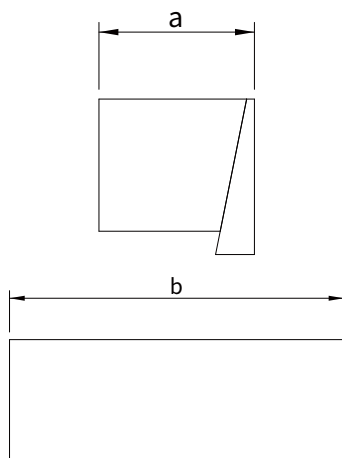
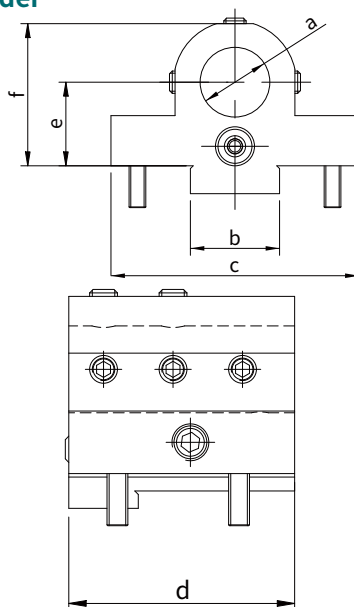
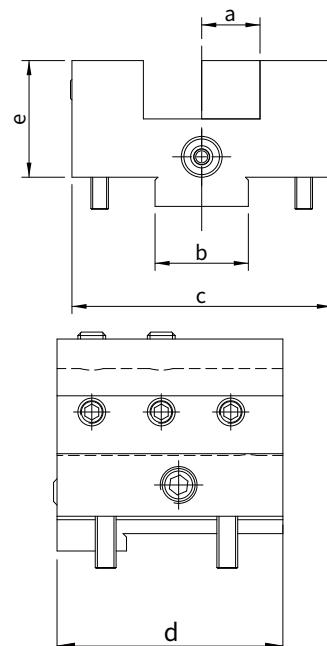
VDI 測試棒
Testing mandrel



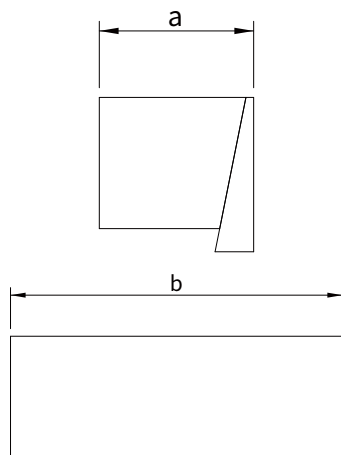
BMT 測試棒
Testing mandrel

※ 更多資訊歡迎聯絡 GPM 團隊!

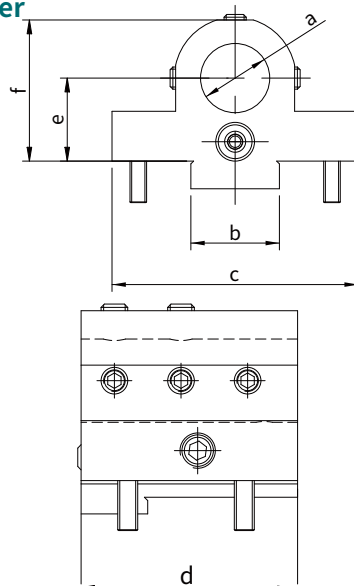
※ Contact GPM team for more information!


外徑刀上下壓板
clamping element

擡孔刀座
Boring bar tool holder

端面刀座
Facing tool holder

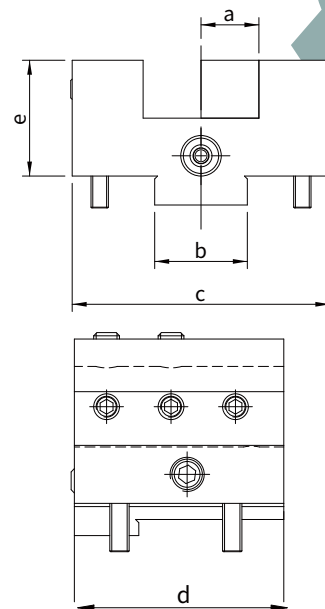
刀盤規格 Specs of tool disc	刀座品號 Part ID of tool holder	品名 Description of Goods	尺寸 (mm) dimensions					
			a	b	c	d	e	f
標準刀盤組/公制/Tool disc 440.212/SW220/8T/W3/25BAR/T65	508102005	擡孔刀座組/H25.065.089.02/外出水 Boring bar tool holder/coolant supply external	25	32	89	65	30	51
	508102028	擡孔刀座組/H25.065.089.02/中心出水 Boring bar tool holder/coolant supply internal	25	32	89	65	30	51
	508101017	端面刀座組/F20.065.089.02/外出水 Facing tool holder/coolant supply external	20	32	89	65	40	-
	41103001-01	上壓板/公制/P055.020.00 clamping element (upper)	20	55	-	-	-	-
	41103002-01	下壓板/公制/P055.020.01 clamping element (lower)						
標準刀盤組/公制/Tool disc 40.212/SW220/8T/W9/25BAR/T65	508102005	擡孔刀座組/H25.065.089.02/外出水 Boring bar tool holder/coolant supply external	25	32	89	65	30	51
	508102028	擡孔刀座組/H25.065.089.02/中心出水 Boring bar tool holder/coolant supply internal	25	32	89	65	30	51
	508101017	端面刀座組/F20.065.089.02/外出水 Facing tool holder/coolant supply external	20	32	89	65	40	-
	41103001-01	上壓板/公制/P055.020.00 clamping element (upper)	20	55	-	-	-	-
	41103002-01	下壓板/公制/P055.020.01 clamping element (lower)						
標準刀盤組/公制/Tool disc 440.216/SW270/8T/W3/25BAR/T85	508101018	端面刀座組/F25.085.100.3/外出水 Facing tool holder/coolant supply external	25	30	100	85	55	-
	508102038	擡孔刀座組/H32.085.100.3/外出水 Boring bar tool holder/coolant supply external	32	30	100	85	40	75
	508102037	擡孔刀座組/H32.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	32	30	100	85	40	75
	508102026	擡孔刀座組/H40.085.100.3/外出水 Boring bar tool holder/coolant supply external	40	30	100	85	40	75
	508102010	擡孔刀座組/H40.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	40	30	100	85	40	75
	41103010-01	上壓板/公英制共用/P070.025.00 clamping element (upper)	25	70	-	-	-	-
	41103011-01	下壓板/公制/P070.025.01 clamping element (lower)						
	508102009	擡孔刀座組/H40.080.084.3/外出水 Boring bar tool holder/coolant supply external)	40	30	84	80	35	70
標準刀盤組/公制/Tool disc 440.216/SW316/12T/W9/25BAR/T80	508102076	擡孔刀座組/H40.080.084.3/中心出水 Boring bar tool holder/coolant supply internal	40	30	84	80	35	70
	508102030	擡孔刀座/H32.080.084.3/外出水 Boring bar tool holder/coolant supply external	32	30	84	80	30	56
	508102031	擡孔刀座/H32.080.084.3/中心出水 Boring bar tool holder/coolant supply internal	32	30	84	80	30	56
	508102014	擡孔刀座組/H25.080.084.3/外出水 Boring bar tool holder/coolant supply external	25	30	84	80	30	56
	508102024	擡孔刀座組/H25.080.084.3/中心出水 Boring bar tool holder/coolant supply internal	25	30	84	80	30	56
	508101023	端面刀座組/F20.080.084.3/50BAR Facing tool holder	20	30	84	80	45	-
	41103005-01	上壓板/公制/P060.020.00 Clamping element (upper)	20	60	-	-	-	-
	41103009-01	下壓板/公英制共用/P060.020.01 Clamping element (lower)						



外徑刀上下壓板
clamping element



搪孔刀座
Boring bar tool holder



端面刀座
Facing tool holder

刀盤規格 Specs of tool disc	刀座品號 Part ID of tool holder	品名 Description of Goods	尺寸 (mm) dimensions					
			a	b	c	d	e	f
標準刀盤組/公制/Tool disc 440.216/SW330/8T/W3/25BAR/T85	508102010	搪孔刀座組/H40.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	40	30	100	85	40	75
	508102026	搪孔刀座組/H40.085.100.3/外出水 Boring bar tool holder/coolant supply external	40	30	100	85	40	75
	508102037	搪孔刀座組/H32.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	32	30	100	85	40	75
	508102038	搪孔刀座組/H32.085.100.3/外出水 Boring bar tool holder/coolant supply external	32	30	100	85	40	75
	508101018	端面刀座組/F25.085.100.3/外出水 Facing tool holder/coolant supply external	25	30	100	85	55	-
	41103010-01	上壓板/公英制共用/P070.025.00 clamping unit (upper)	25	70	-	-	-	-
	41103011-01	下壓板/公制/P070.025.01 clamping unit (lower)						
標準刀盤組/公制 /440.220/SW380/12T/W3/25BAR/T85	508102010	搪孔刀座組/H40.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	40	30	100	85	40	75
	508102026	搪孔刀座組/H40.085.100.3/外出水 Boring bar tool holder/coolant supply external	40	30	100	85	40	75
	508101018	端面刀座組/F25.085.100.3/外出水 Facing tool holder/coolant supply external	25	30	100	85	55	-
	41103010-01	上壓板/公英制共用/P070.025.00 clamping element (upper)	25	70	-	-	-	-
	41103011-01	下壓板/公制/P070.025.01 clamping element (lower)						
標準刀盤組/公制/Tool disc 440.220/SW410/12T/W3/25BAR/T85	508102010	搪孔刀座組/H40.085.100.3/中心出水 Boring bar tool holder/coolant supply internal	40	30	100	85	40	75
	508102026	搪孔刀座組/H40.085.100.3/外出水 Boring bar tool holder/coolant supply external	40	30	100	85	40	75
	508101018	端面刀座組/F25.085.100.3/外出水 Facing tool holder/coolant supply external	25	30	100	85	55	-
	41103010-01	上壓板/公英制共用/P070.025.00 clamping element (upper)	25	70	-	-	-	-
	41103011-01	下壓板/公制/P070.025.01 clamping element (lower)						
標準刀盤組/公制/Tool disc 440.225/SW420/12T/W3/25BAR/T85	508102060	搪孔刀座組/H40.085.100.5/外出水 Boring bar tool holder/coolant supply external	40	30	100	85	35	65
	508102062	搪孔刀座組/H40.085.100.5/中心出水 Boring bar tool holder/coolant supply internal	40	30	100	85	35	65
	508101024	端面刀座組/F25.085.100.5/雙外出水 Facing tool holder/coolant supply external	25	30	100	85	55	-
	41103034	上壓板/公制/P090.025.00 clamping element (upper)	25	90	-	-	-	-
	41103014-01	下壓板/公制/P090.025.01 Clamping element (lower)						
標準刀盤組/公制/Tool disc 440.232/SW520/12T/W3/25BAR/T108	508102003	搪孔刀座組/H50.118.118.3/中心出水 Boring bar tool holder/coolant supply internal	50	21.9	118	118	40	84
	508102029	搪孔刀座組/H50.118.118.01/外出水 Boring bar tool holder/coolant supply external	50	21.9	118	118	40	84
	508101015	端面刀座組/F32.113.118.3/外出水 Facing tool holder/coolant supply external	32	21.9	118	113	60	-
	41103015-01	上壓板/公制/P110.032.00 Clamping element (upper)	32	110	-	-	-	-
	41103016-01	下壓板/公制/P110.032.01 Clamping element (lower)						

固定刀座

Static Tool holder

外徑刀座

Turning Tool holder



VDI	Shank	Specs
VDI25	16	B1-25X16
VDI30	20	B1-30X20
VDI40	25	B1-40X25
VDI50	32	B1-50X32
VDI60	32	B1-60X32

VDI	Shank	Specs
VDI25	16	B3-25X16
VDI30	20	B3-30X20
VDI40	25	B3-40X25
VDI50	32	B3-50X32
VDI60	32	B3-60X32

VDI	Shank	Specs
VDI25	16	B2-25X16
VDI30	20	B2-30X20
VDI40	25	B2-40X25
VDI50	32	B2-50X32
VDI60	32	B2-60X32

VDI	Shank	Specs
VDI25	16	B4-25X16
VDI30	20	B4-30X20
VDI40	25	B4-40X25
VDI50	32	B4-50X32
VDI60	32	B4-60X32

端面 / 外徑刀座

Facing / Turning Tool holder



VDI	Shank	Specs
VDI25	16	C1-25X16
VDI30	20	C1-30X20
VDI40	25	C1-40X25
VDI50	32	C1-50X32
VDI60	32	C1-60X32

VDI	Shank	Specs
VDI25	16	C3-25X16
VDI30	20	C3-30X20
VDI40	25	C3-40X25
VDI50	32	C3-50X32
VDI60	32	C3-60X32

VDI	Shank	Specs
VDI25	16	C2-25X16
VDI30	20	C2-30X20
VDI40	25	C2-40X25
VDI50	32	C2-50X32
VDI60	32	C2-60X32

VDI	Shank	Specs
VDI25	16	C4-25X16
VDI30	20	C4-30X20
VDI40	25	C4-40X25
VDI50	32	C4-50X32
VDI60	32	C4-60X32

內孔刀座

Boring bar Tool holder



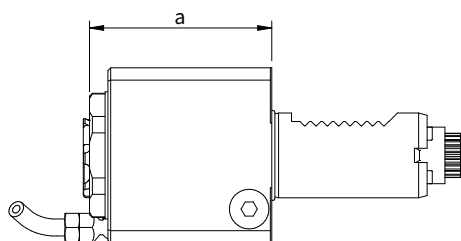
VDI	孔徑 Ø(mm)	Specs	
		coolant supply (external)	coolant supply (internal)
VDI25	25	E2-25X25	E1-25X25
VDI30	32	E2-30X32	E1-30X32
VDI40	40	E2-40X40	E1-40X40
VDI50	50	E2-50X50	E1-50X50
VDI60	60	E2-60X50	E1-60X50

VDI	孔徑 Ø(mm)	NH(mm)	Specs coolant supply(internal)
VDI30	32	85	T1-3032-85L
VDI30	32	100	T1-3032-100L
VDI40	40	100	T1-4040-100L
VDI50	50	100	T1-5050-100L

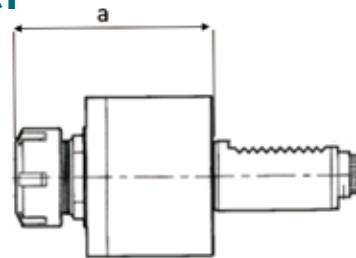
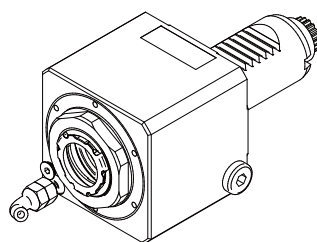
0° 動力刀座
Straight driven Tool holder

動力刀座

Driven Tool holder



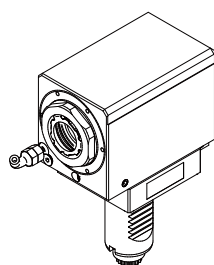
內牙款式 - Internal Nut type



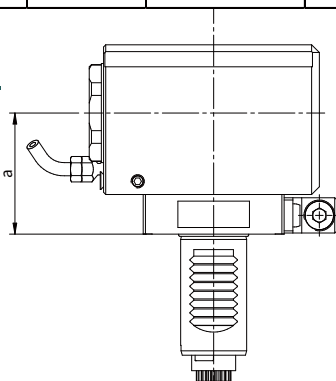
外牙款式 - External Nut type

Type	ER	a NL(mm)	coolant supply	speed (rpm)	gear ratio i=n1:n2	Nut type	Specs
VDI25	20	60	ext. 5~80BAR	8000	1	內牙 int.Nut	VDI25-5480-20
VDI30	25	64.5	ext. 5~80BAR	6000	1	內牙 int.Nut	VDI30-5480-25
	25	101	ext. 5~80BAR	6000	1	外牙 ext.Nut	VDI30-5480-25
VDI40	32	95	ext. 5~80BAR	6000	1	內牙 int.Nut	VDI40-5480-32
	32	109	ext. 5~80BAR	6000	1	外牙 ext.Nut	VDI40-5480-32
VDI50	40	122	ext. 5~80BAR	6000	1	外牙 ext.Nut	VDI50-5480-40
VDI60	50	142	ext. 5~80BAR	6000	1	外牙 ext.Nut	VDI60-5480-50

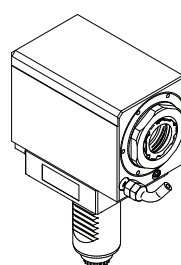
90° 動力刀座
90° driven Tool holder



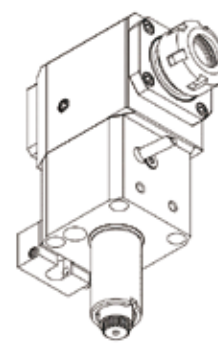
右手-Right



內牙款式 - Internal Nut type



左手-Left



外牙款式 - External Nut type

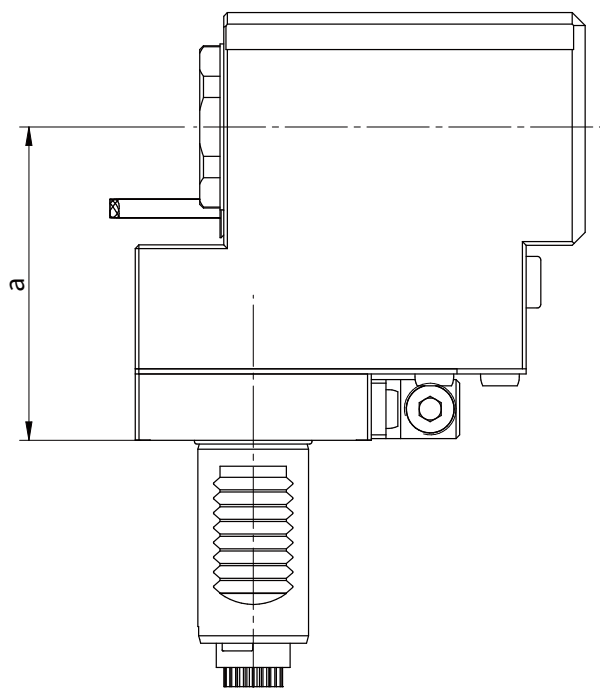
Type	ER	a NH(mm)	coolant supply	speed (rpm)	gear ratio i=n1:n2	Nut type	Specs
VDI30	25	55	ext. 5~80BAR	7000	1	内牙/外牙 int/ext.Nut	VDI30-5480-25-55-R
		85				外牙 ext.Nut	VDI30-5480-25-85-R
						VDI30-5480-25-85-L	
VDI40	32	100	ext. 5~80BAR	6000	1	内牙/外牙 int/ext.Nut	VD40-5480-32-100-R
						内牙/外牙 int/ext.Nut	VD40-5480-32-100-L
VDI50	40	75	ext. 5~80BAR	5000	1	外牙 ext.Nut	VD40-5480-32-75-R
						外牙 ext.Nut	VD40-5480-32-75-L
VDI60	50	106	ext. 5~80BAR	5000	1	外牙 ext.Nut	VD60-5480-32-106-R
						外牙 ext.Nut	VD60-5480-32-106-L

※ 另有中心出水(選配);請洽營業單位

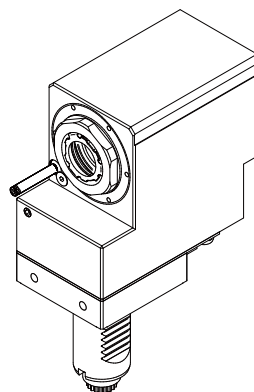
※ Optional:coolant supply internal

後縮動力刀座

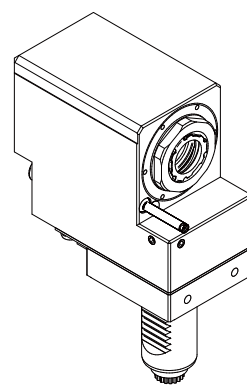
Off-set Driven Tool holder



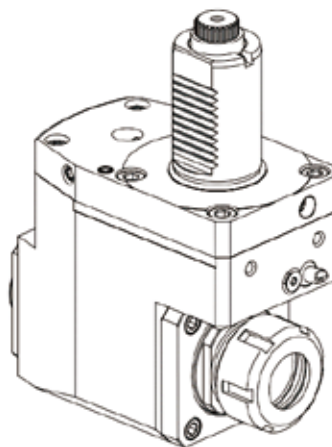
內牙款式 - Internal Nut type



右手-Right



左手-Left



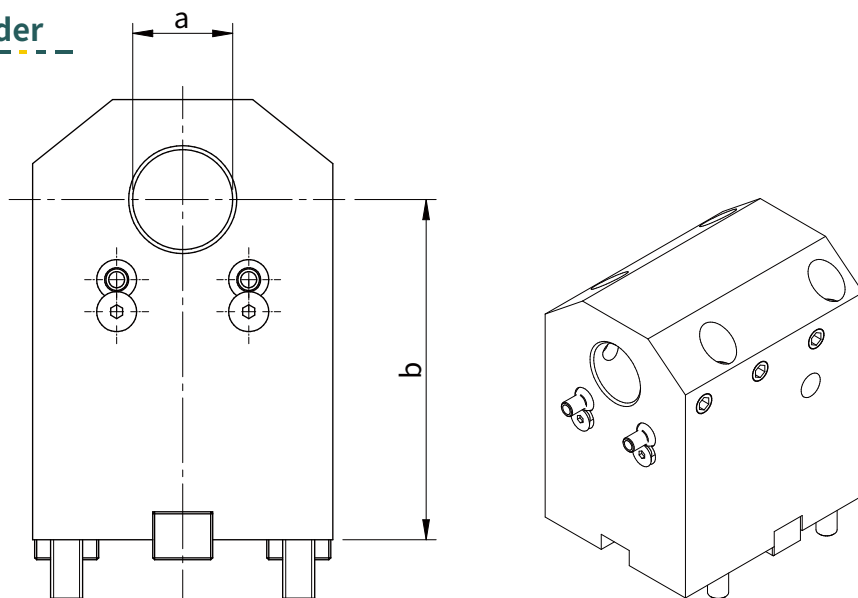
外牙款式 - External Nut type

Type	ER	a NH(mm)	coolant supply	speed (rpm)	gear ratio i=n1:n2	Nut type	Specs
VDI25	20	75	ext. 5~80BAR	8000	1	內牙 int.Nut	VDI25-offset-5480-20-75-R
VDI30	25	85	ext. 5~80BAR	7000	1	內牙/外牙 int/ext.Nut	VDI30-offset-5480-25-85-R
						內牙/外牙 int/ext.Nut	VDI30-offset-5480-25-85-L
VDI40	32	100	ext. 5~80BAR	6000	1	內牙/外牙 int/ext.Nut	VDI40-offset-5480-32-100-R
						內牙/外牙 int/ext.Nut	VDI40-offset-5480-32-100-L
VDI50	40	90	ext. 5~80BAR	5000	1	外牙 ext.Nut	VDI50-offset-5480-32-90-R
						外牙 ext.Nut	VDI50-offset-5480-32-90-L

固定刀座

Static Tool holder

搪孔刀座
Boring bar Tool holder



Type	Specifications	a Ø(mm)	b NH(mm)
BMT45	搪孔刀座組 Boring bar tool holder /BMT45/B25-65	25	65
	搪孔刀座組 Boring bar tool holder /BMT45/B32-65	32	65
	搪孔刀座組 Boring bar tool holder /BMT45/B40-65	40	65
	搪孔刀座組 Boring bar tool holder /BMT45/B25-85	25	85
BMT55	搪孔刀座組 Boring bar tool holder /BMT55/B25-70	25	70
	搪孔刀座組 Boring bar tool holder /BMT55/B32-60	32	60
	搪孔刀座組 Boring bar tool holder /BMT55/B32-70	32	70
	搪孔刀座組 Boring bar tool holder /BMT55/B32-85	32	85
	搪孔刀座組 Boring bar tool holder /BMT55/B32-110	32	110
	搪孔刀座組 Boring bar tool holder /BMT55/B40-60	40	60
	搪孔刀座組 Boring bar tool holder /BMT55/B40-70	40	70
	搪孔刀座組 Boring bar tool holder /BMT55/B40-85	40	85
	搪孔刀座組 Boring bar tool holder /BMT55/B40-90	40	90
BMT65	搪孔刀座組 Boring bar tool holder /BMT65/B40-72	40	72
	搪孔刀座組 Boring bar tool holder /BMT65/B40-100	40	100
	搪孔刀座組 Boring bar tool holder /BMT65/B40-115	40	115
	搪孔刀座組 Boring bar tool holder /BMT65/B50-100	50	100
BMT75	搪孔刀座組 Boring bar tool holder /BMT75/B50-60	50	60
	搪孔刀座組 Boring bar tool holder /BMT75/B50-90	50	90
	搪孔刀座組 Boring bar tool holder /BMT75/B50-100	50	100
	搪孔刀座組 Boring bar tool holder /BMT75/B50-110	50	110
	搪孔刀座組 Boring bar tool holder /BMT75/B50-120	50	120
	搪孔刀座組 Boring bar tool holder /BMT75/B50-125	50	125
	搪孔刀座組 Boring bar tool holder /BMT75/B60-90	60	90
	搪孔刀座組 Boring bar tool holder /BMT75/B80-120	80	120
BMT85	搪孔刀座組 Boring bar tool holder /BMT85/B100-110	100	110

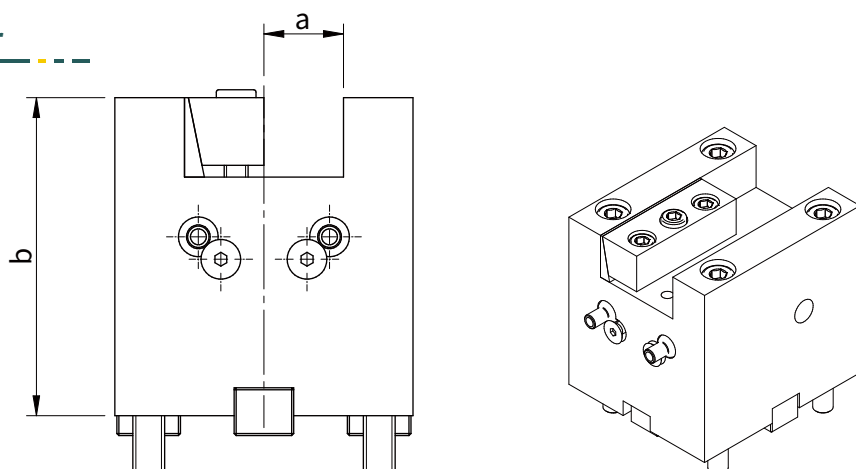
※ 上述皆為標配：中心出水

※ The above are standard: coolant supply internal

固定刀座

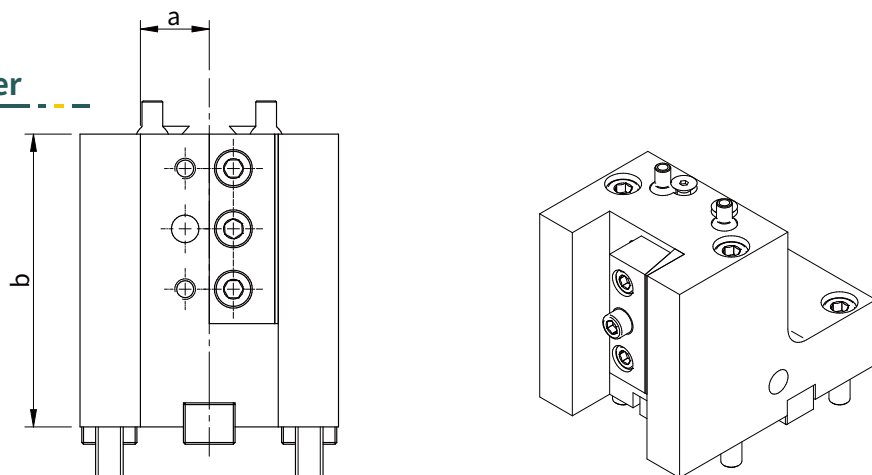
Static Tool holder

端面刀座
Facing Tool holder



Type	Specifications	a Shank(mm)	b Height(mm)
BMT45	端面刀座組Facing Tool holder /BMT45/F20-80	25	80
BMT55	端面刀座組Facing Tool holder /BMT55/F25-60	25	60
	端面刀座組Facing Tool holder /BMT55/F25-110	25	110
BMT65	端面刀座組Facing Tool holder /BMT65/F25-82.5	25	82.5
	端面刀座組Facing Tool holder /BMT65/F25-120	25	120
BMT75	端面刀座組Facing Tool holder /BMT75/F25-122	25	122
	端面刀座組Facing Tool holder /BMT75/F32-122	32	122
	端面刀座組Facing Tool holder /BMT75/F32-90	32	90
BMT85	端面刀座組Facing Tool holder /BMT85/F40-110	40	110

外徑刀座
Turning Tool holder

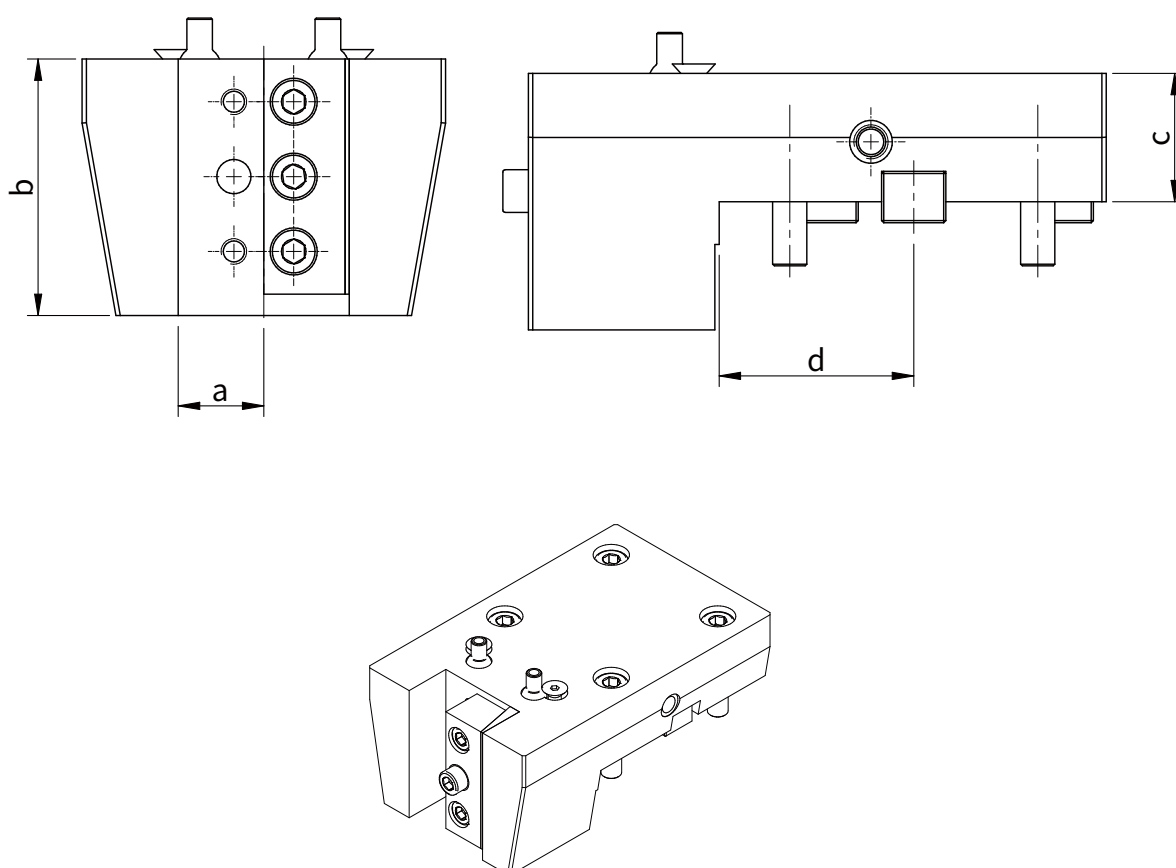


Type	Specifications	a Shank(mm)	b Height(mm)
BMT45	外徑刀座組Turning Tool holder /BMT45/C20-60	20	60
	外徑刀座組Turning Tool holder /BMT45/C20-85	20	85
	外徑刀座組Turning Tool holder /BMT45/C25-40	25	40
BMT55	外徑刀座組Turning Tool holder /BMT55/C20-80	20	80
	外徑刀座組Turning Tool holder /BMT55/C25-60	25	60
	外徑刀座組Turning Tool holder /BMT55/C25-80	25	80
BMT65	外徑刀座組Turning Tool holder /BMT65/C25-75	25	75
BMT75	外徑刀座組Turning Tool holder /BMT75/C25-100	25	100
	外徑刀座組Turning Tool holder /BMT75/C32-100	32	100
BMT85	外徑刀座組Turning Tool holder /BMT85/C40-90	40	90

固定刀座

Static Tool holder

外徑刀座
Turning Tool holder



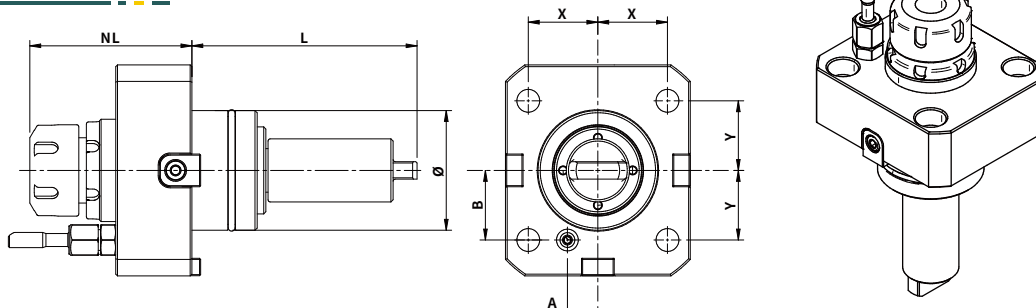
Type	Specifications	a Shank(mm)	b Height(mm)	c Height(mm)	d Length(mm)
BMT45	外徑刀座組Turning Tool holder/BMT45/C20-30	20	60	30	45
BMT55	外徑刀座組Turning Tool holder/BMT55/C20-30	20	80	30	50.2
	外徑刀座組Turning Tool holder/BMT55/C25-30	25	80	30	50.2
BMT65	外徑刀座組Turning Tool holder/BMT65/C25-30	25	72	30	55.5
BMT75	外徑刀座組Turning Tool holder/BMT75/C32-40	32	90	40	56
	外徑刀座組Turning Tool holder/BMT75/C32-70	32	115	70	56.5

動力刀座

Driven Tool holder

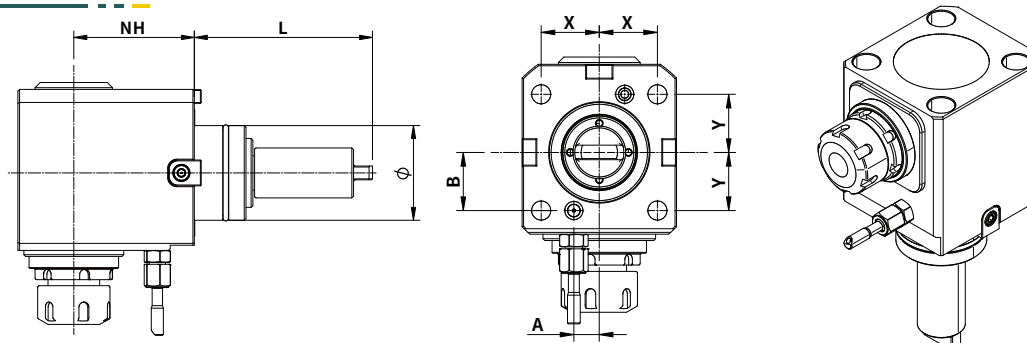
(Doosan DIN1809)

0° 動力刀座
Straight driven Tool holder



D	ER	NL	X	Y	A	B	L	Coolant Supply	Drawing no.
BMT45	20	69.5	29	29	16.5	29	84	ext	B45D-0017
BMT45	25	72.5	29	29	16.5	29	84	ext	B45D-0008
BMT45	25	72.5	29	29	16.5	29	84	int	B45D-0019
BMT55	25	74.5	32	32	14	32	103.5	ext	B55D-0001
BMT55	25	74.5	32	32	14	32	103.5	int	B55D-0013
BMT55	32	74.5	32	32	14	32	103.5	ext	B55D-0003
BMT55	32	78	32	32	14	32	103.5	int	B55D-0011
BMT65	32	76.5	36.5	35	18	37	112	ext	B65D-0018
BMT65	32	80	36.5	35	18	37	112	int	B65D-0026
BMT65	40	81.5	36.5	35	18	37	112	ext	B65D-0002
BMT75	40	81.5	45	45	33	33	109.8	ext	B75D-0001
BMT75	40	84.5	45	45	33	33	109.8	int	B75D-0003
BMT75	50	102.5	45	45	33	33	109.8	int	B75D-0009
BMT85	50	102.3	50	50	45	35	140	ext	B85D-0003
BMT85	50	102.3	50	50	45	35	140	int	B85D-0007

90° 動力刀座
90° driven Tool holder



D	ER	NH	X	Y	A	B	L	Coolant Supply	Drawing no.
BMT45	20	65	29	29	16.5	29	83	ext	B45D-0027
BMT45	25	65	29	29	16.5	29	83	ext	B45D-0010
BMT45	25	65	29	29	16.5	29	83	int	B45D-0020
BMT55	25	70	32	32	14	32	103.5	ext	B55D-0002
BMT55	25	70	32	32	14	32	103.5	int	B55D-0014
BMT55	32	70	32	32	14	32	103.5	ext	B55D-0004
BMT55	32	70	32	32	14	32	103.5	int	B55D-0017
BMT65	32	72	36.5	35	18	37	112	ext	B65D-0017
BMT65	40	72	36.5	35	18	37	112	ext	B65D-0016
BMT75	40	60	45	45	33	33	109.8	ext	B75D-0011
BMT75	40	90	45	45	33	33	109.8	ext	B75D-0012
BMT75	40	60	45	45	33	33	109.8	int	B75D-0004
BMT75	40	90	45	45	33	33	109.8	int	B75D-0008
BMT75	50	60	45	45	33	33	109.8	int	B75D-0010
BMT85	50	110	50	50	45	35	140	ext	B85D-0004
BMT85	50	110	50	50	45	35	140	int	B85D-0009

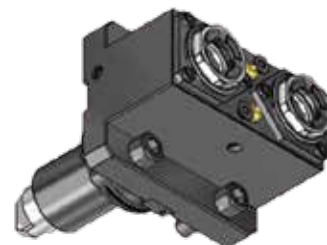
BMT滾齒動力刀座
Gear Hobbing unit



BMT插槽動力刀座
Broaching unit



BMT軸向雙頭鑽銑動力刀座
Axial milling and drilling
driven tool holder double heads



BMT萬向動力刀座
Universal driven tool holder



VDI滾齒動力刀座
Gear Hobbing unit



雙搪孔刀座
Dual boring bar tool holder



提供各型式歐美及日系介面刀座
Various tool holder interfaces available

DIN5480



DIN5482



DIN1809



SPUR MT TOEM
(Baruffaldi)



Okuma



HASS



DOOSAN



MAZAK



MoriSeiki



Nakamura



※ 請洽營業單位
※ Contact with GPM sales team for more details



綜合機型系列刀座

Universal Machine Tool Series Tool Holder

02

DMG MORI

德馬吉森精機 --- 16~24

03

MAZAK

馬扎克 - - - - - 25~32

04

Nakamura-Tome

中村留 - - - - - 33~37

05

Miyano

宮野 - - - - - 38~40

06

Tsugami

津上 - - - - - 41~45





DMG MORI



德馬吉森精機

02

DMG MORI

德馬吉森精機

BMT 40

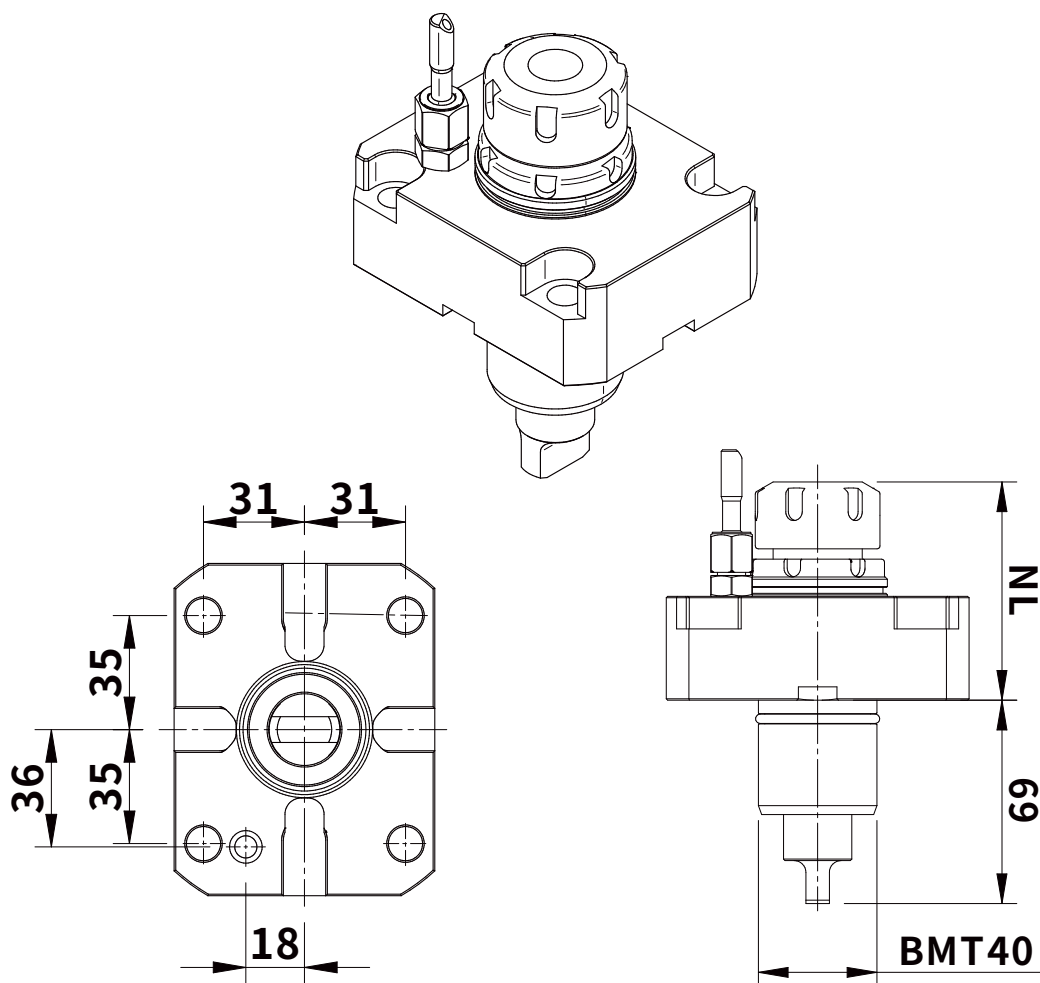
動力刀座

Driven Tool Holder

Brand	DMG MORI
Model	NZX1500-2000/ NZX2500;CLX450
Interface	BMT40 L=69

0° 動力刀座

0 Degree



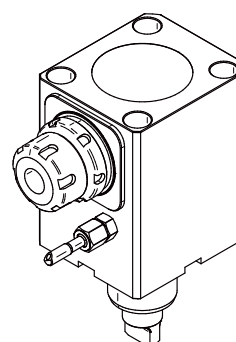
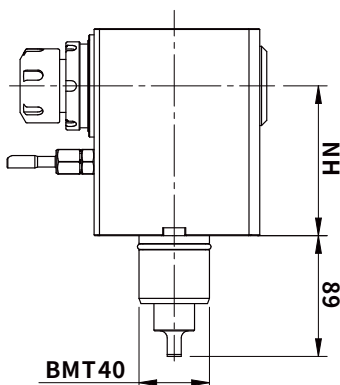
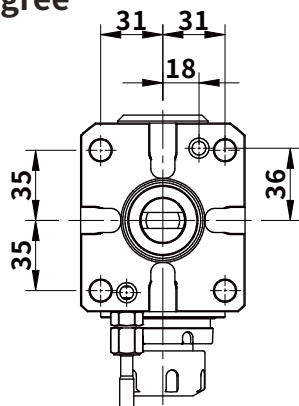
單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	74.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0002
ER25	74.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER32	74.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0009
ER32	74.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	
-	73	外牙 ext nut	1:1	外出水 ext	6000	-	側銑 Side Milling	DMD-0014

Brand	DMG MORI
Model	NZX1500-2000/ NZX2500;CLX450
Interface	BMT40 L=69

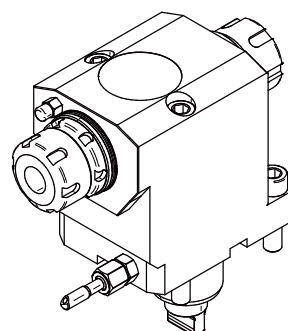
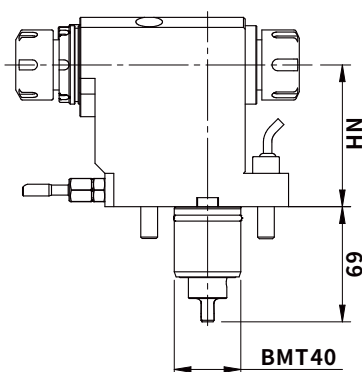
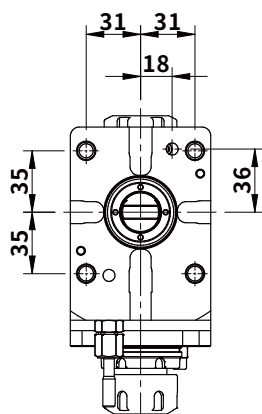
90° 動力刀座

90 Degree



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	85	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0003
ER25	85	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER32	85	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0001
ER32	85	外牙 ext nut	1:1	中心出水 int	6000	75	-	



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	85	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭 Dual Heads	DMD-0004

萬向 Universal

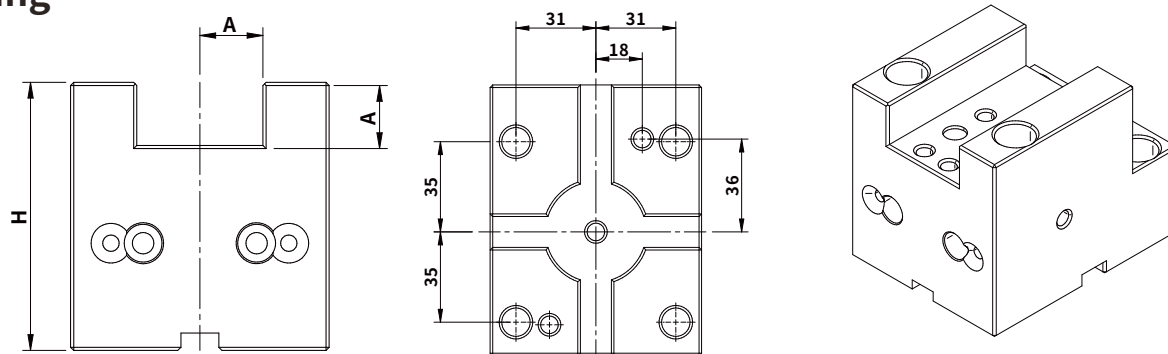
單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER16	55.75	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0015

Brand	DMG MORI
Model	NZX1500-2000/ NZX2500;CLX450
Interface	BMT40 L=69

端面(F)

Facing

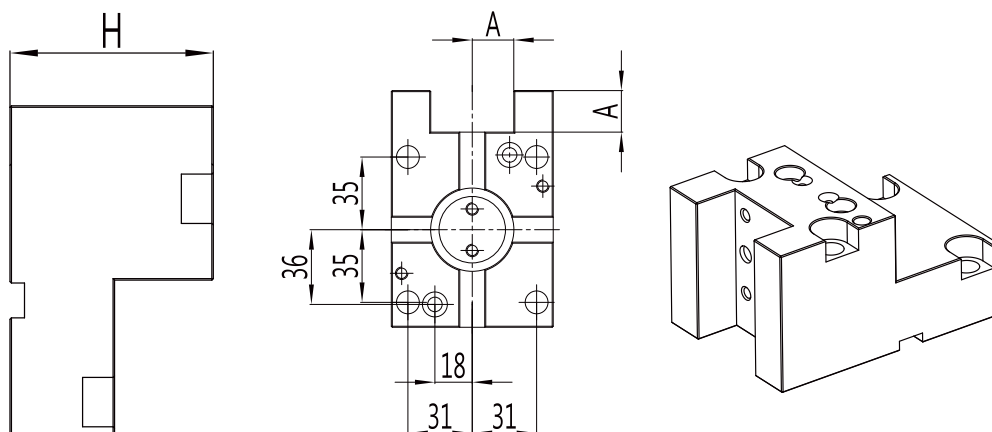


單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	85	-	-	DMS-0005
25	80	-	-	DMS-0001
25	85	-	-	DMS-0006

外徑(C)

Turning



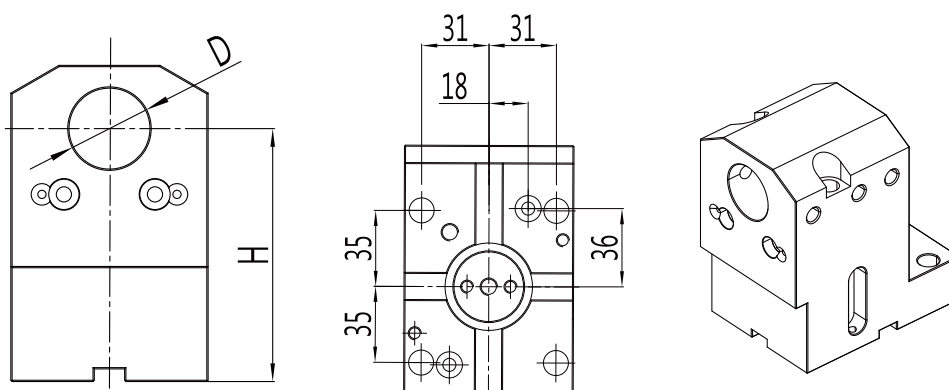
單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	70	-	-	DMS-0013
20	70	-	雙頭 Dual Heads	DMS-0014
25	70	-	-	DMS-0002

Brand	DMG MORI
Model	NZX1500-2000/ NZX2500;CLX450
Interface	BMT40 L=69

內孔(B)

Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
32	100	中心出水 int	-	DMS-0003
32	100	外出水 ext	-	DMS-0004
32	100	外出水 ext	雙向 Dual Sides	DMS-0015
40	100	外出水 ext	-	
40	100	中心出水 int	-	DMS-0012

切斷(H)

Cut-off

單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	70	-	-	DMS-0008

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊

※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.

DMG MORI

德馬吉森精機

BMT 60

動力刀座

Driven Tool Holder

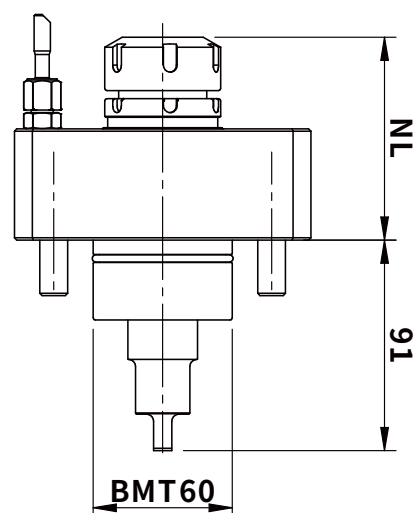
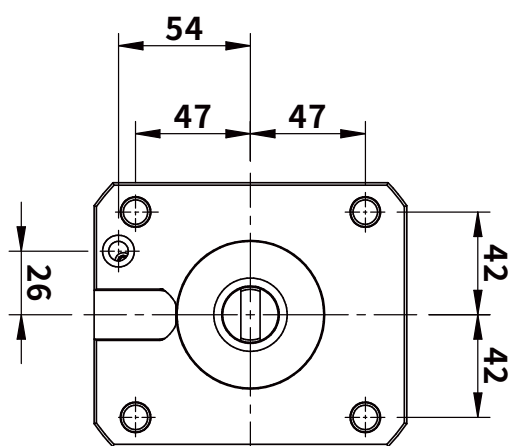
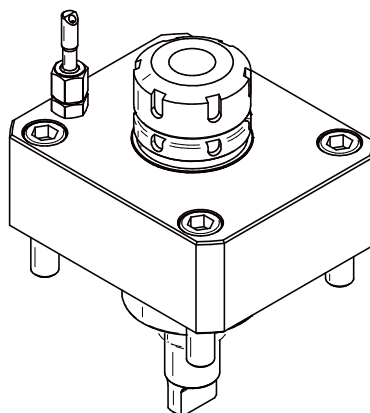
Brand DMG MORI

Model NL/NZ/NZX

Interface BMT60 L=91

0° 動力刀座

0 Degree



單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER32	91	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0007
ER32	91	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER40	81.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0006
ER40	81.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	
-	81.5	外牙 ext nut	1:1	外出水 ext	6000	-	側銑 Side Milling Ø27	DMD-0012

DMG MORI

德馬吉森精機

BMT 60

動力刀座

Driven Tool Holder

Brand DMG MORI

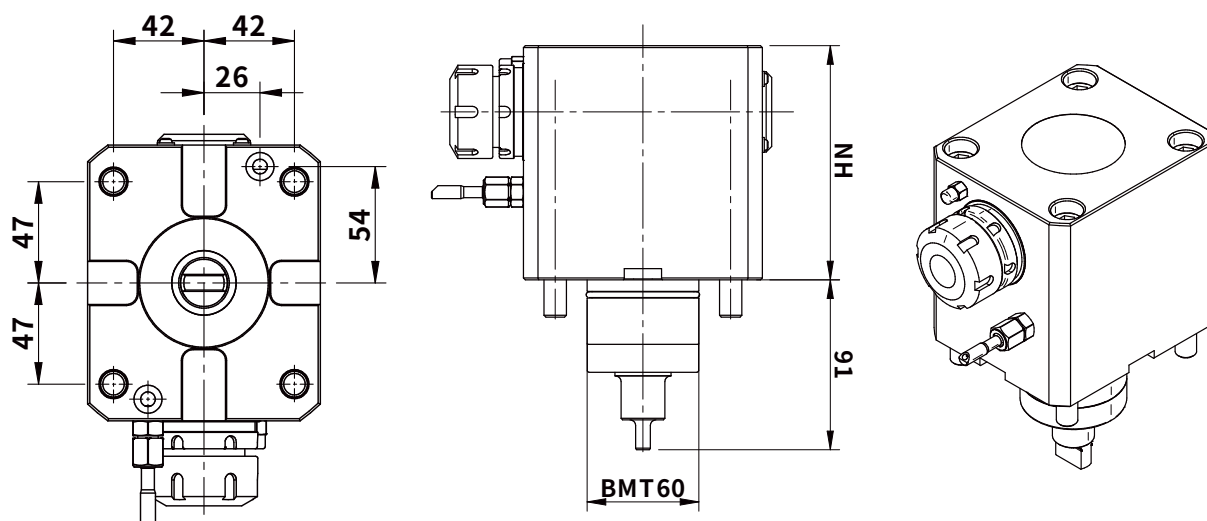
Model NL/NZ/NZX

Interface BMT60 L=91

DMG MORI

90° 動力刀座

90 Degree



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER32	70	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0008
ER32	70	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER32	90	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0010
ER32	90	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER32	90	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭 Dual Heads	DMD-0011
ER40	90	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0005
ER40	90	外牙 ext nut	1:1	中心出水 int	6000	75	-	

萬向 Universal

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	88.75	外牙 ext nut	1:1	外出水 ext	6000	-	-	DMD-0013

DMG MORI

德馬吉森精機

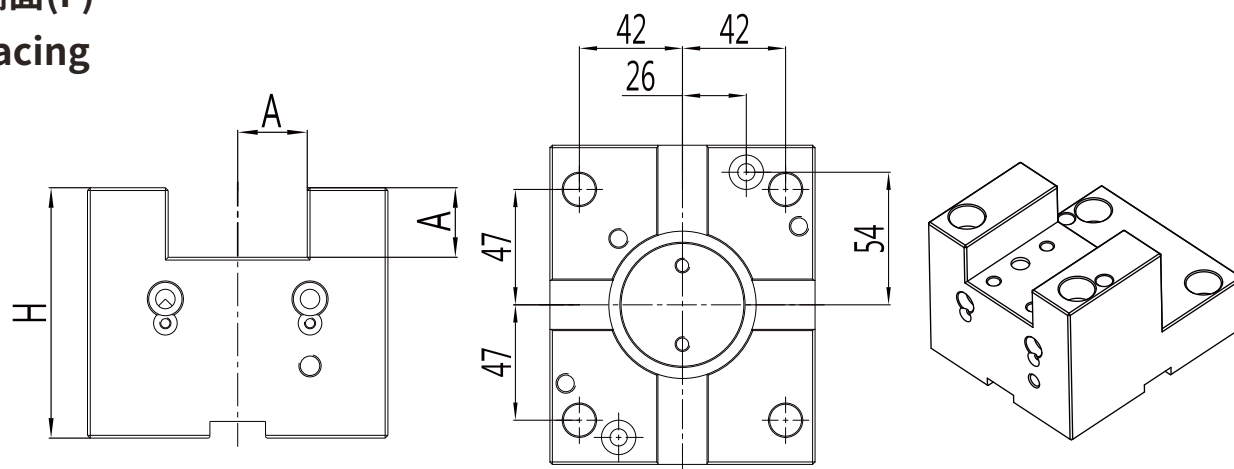
BMT 60

固定刀座
Static Tool Holder

Brand	DMG MORI
Model	NL/NZ/NZX
Interface	BMT60 L=91

端面(F)

Facing

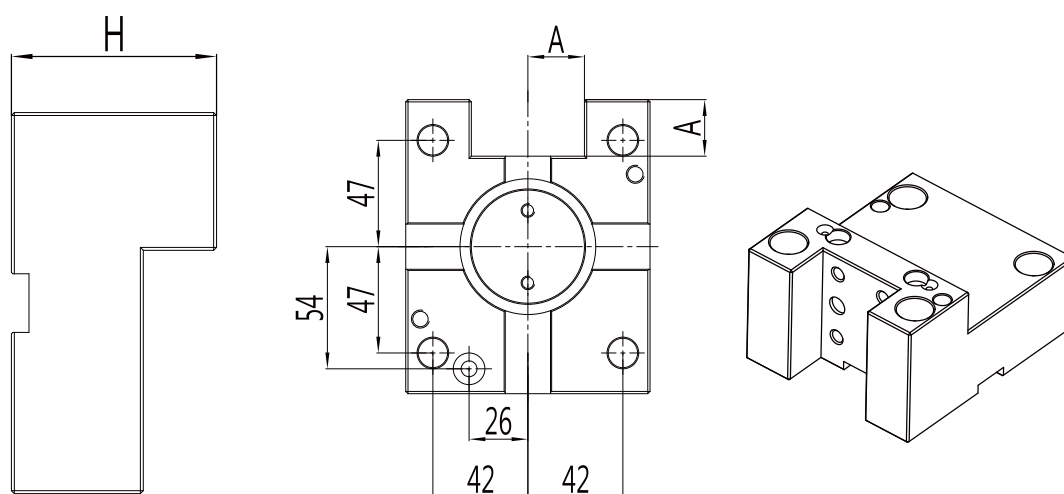


單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	90	-	-	DMS-0011

外徑(C)

Turning



單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	70	-	-	DMS-0016
25	70	-	雙頭 Dual Heads	DMS-0017

DMG MORI

德馬吉森精機

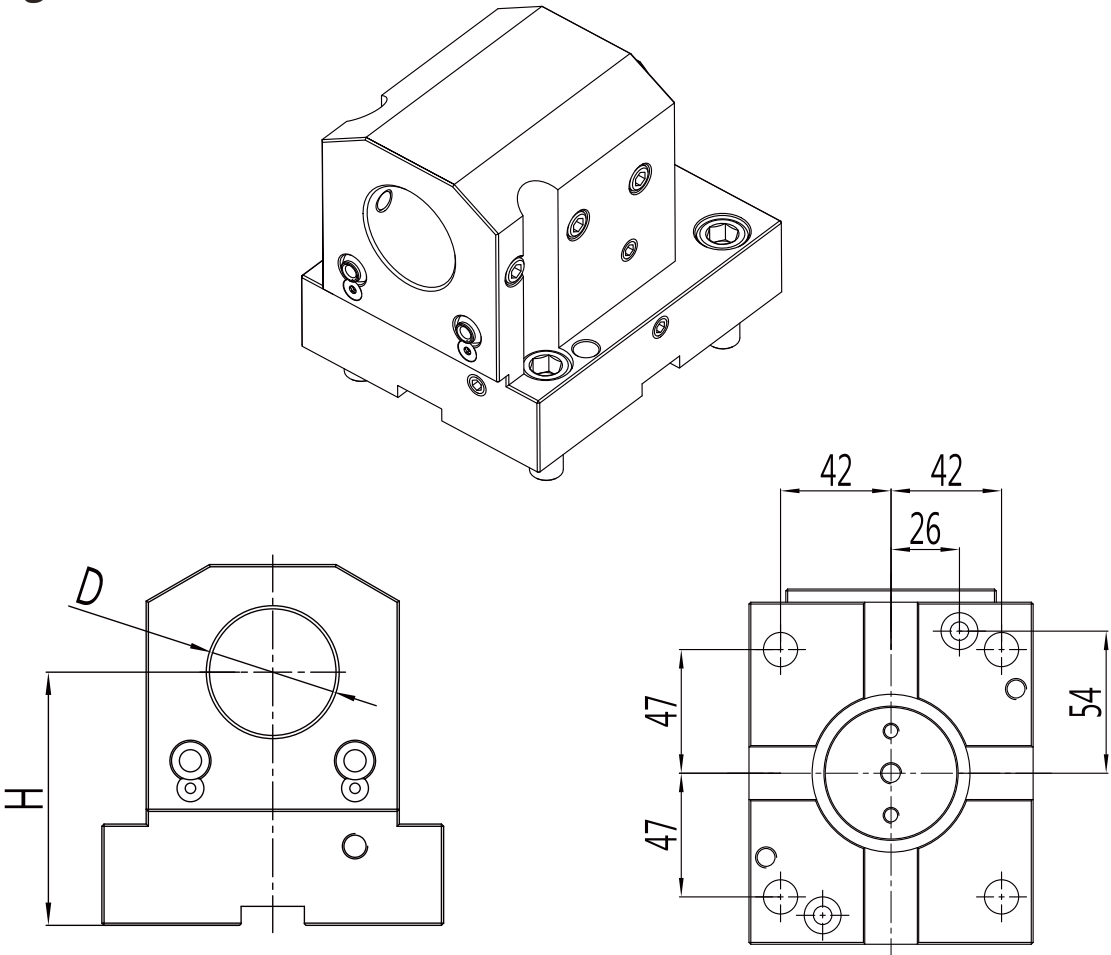
BMT 60

固定刀座
Static Tool Holder

Brand	DMG MORI
Model	NL/NZ/NZX
Interface	BMT60 L=91

DMG MORI

內孔(B)
Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
40	80	外出水 ext	-	DMS-0018
40	80	中心出水 int	-	
40	80	外出水 ext	雙頭 Dual Heads	DMS-0019

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊
※For other tool holder or accessory specs (e.g., test mandrel, origin gauge),
please contact the GPM sales team.



MAZAK



馬扎克

03

MAZAK

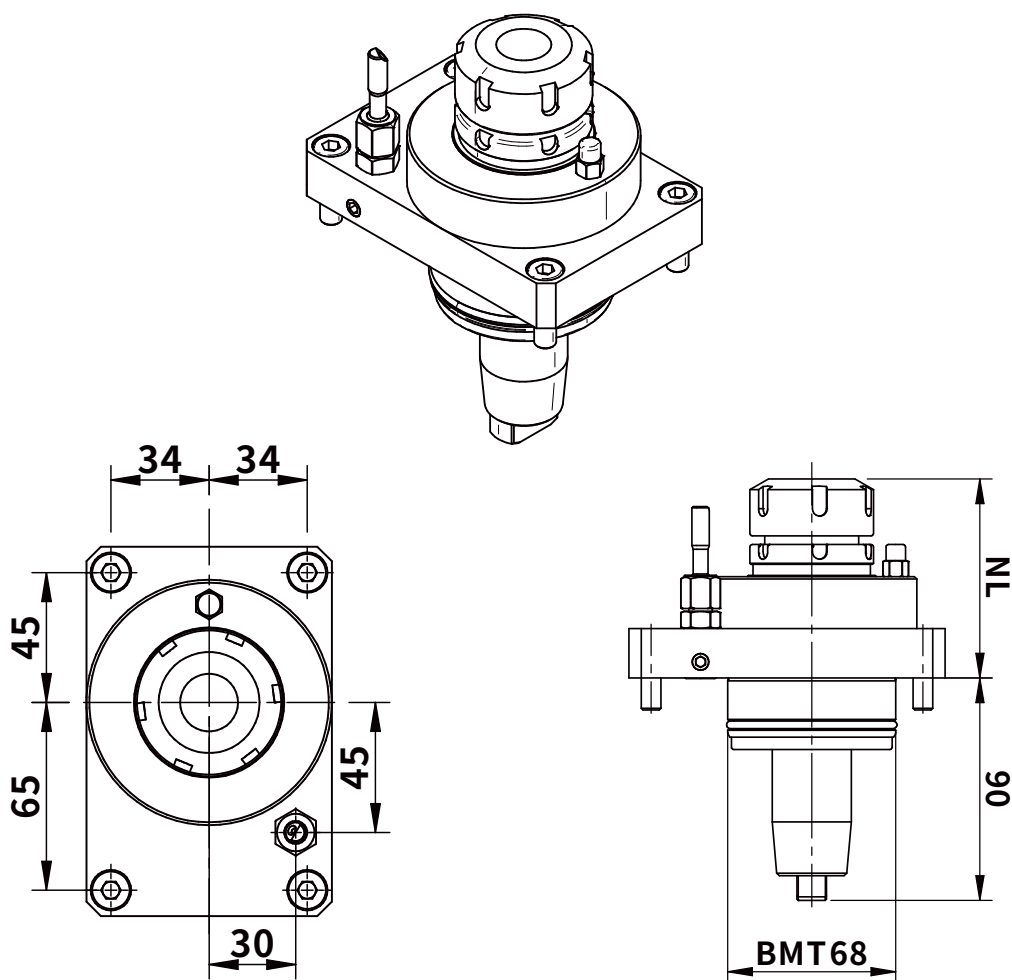
馬扎克

BMT 68

動力刀座 Driven Tool Holder

0° 動力刀座
0 Degree

Brand	MAZAK
Model	QT/QTS 100MJMY/MS/MSY;QT/QTS 200-250, M/MY/MS/MSY;QT 200, 250 M/MY/MS/MSY(16D); QTC/QTU 100-350 M/MY/MS/MSY
interface	BMT68 L=90



單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	117.5	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭 Dual Heads 偏心 Offset (偏心距 distance=77mm)	MZD-0007
ER32	70	外牙 ext nut	1:1	外出水 ext	6000	-	-	MZD-0001
ER32	70	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER32	81.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	
ER32	81.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	MZD-0003

MAZAK

馬扎克

BMT 68

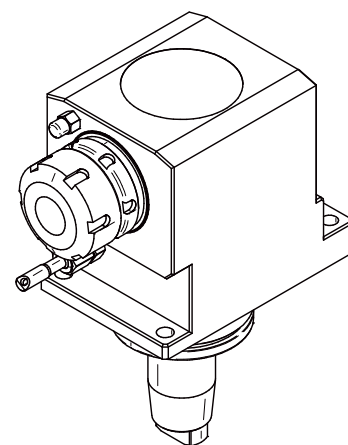
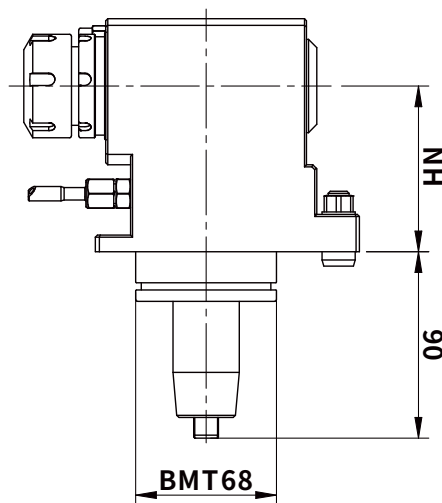
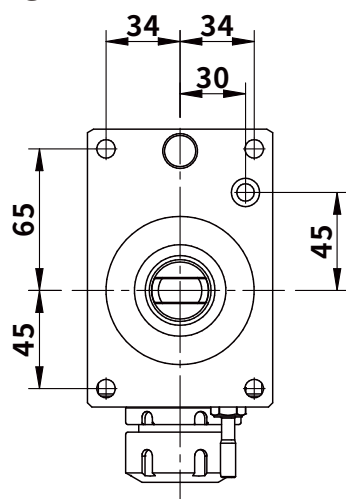
動力刀座

Driven Tool Holder

Brand	MAZAK
Model	QT/QTS 100MJMY/MS/MSY;QT/QTS 200-250, M/MY/MS/MSY;QT 200, 250 M/MY/MS/MSY(16D); QTC/QTU 100-350 M/MY/MS/MSY
interface	BMT68 L=90

90° 動力刀座

90 Degree



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	85	外牙 ext nut	1:1	外出水 ext	6000	-	單向雙頭 One-way Dual Heads	MZD-0008
ER25	85	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭 Dual Heads	MZD-0012
ER25	100	外牙 ext nut	1:1	外出水 ext	6000	-	多頭(4) Multi Heads(4)	MZD-0013
ER32	80	外牙 ext nut	1:1	外出水 ext	6000	-	-	MZD-0002
ER32	80	外牙 ext nut	1:1	中心出水 int	6000	75	-	MZD-0004
-	95	外牙 ext nut	1:1	外出水 ext	3000	-	刮齒 Skiving (刀具孔徑 Ø25.4)	MZD-0009

滾齒 Hobbing

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	131	-	2:1 (減速 Reduction)	外出水 ext	3000	-	刀具孔徑 Ø13	MZD-0010

插齒/槽 Broaching

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	-	-	1:1	外出水 ext	500	-	自動抬刀 Auto tool retraction 行程Stroke 35mm	MZD-0011

MAZAK

馬扎克

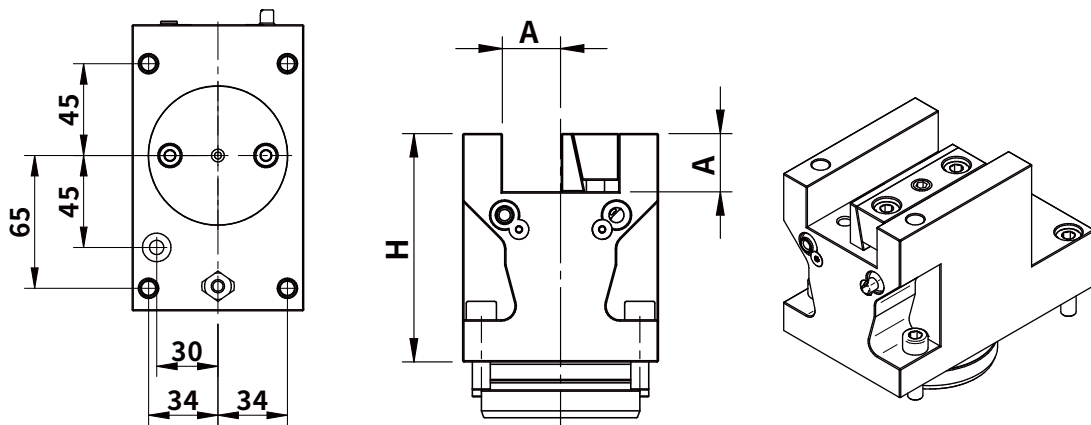
BMT 68

固定刀座 Static Tool Holder

Brand	MAZAK
Model	QT/QTS 100MJMY/MS/MSY;QT/QTS 200-250, M/MY/MS/MSY;QT 200, 250 M/MY/MS/MSY(16D); QTC/QTU 100-350 M/MY/MS/MSY
interface	BMT68 L=90

MAZAK

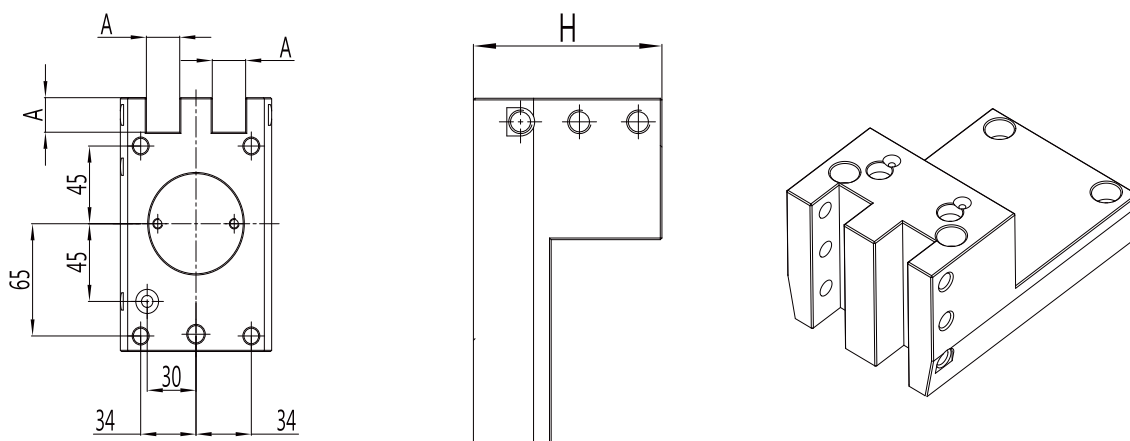
端面(F) Facing



單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	98	-	-	MZS-0009

外徑(C) Turning



單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	80	-	雙頭 Dual Heads	MZS-0001
20	80	-	雙向雙頭 Bi-Directional Dual Heads	MZS-0004
20	100	-	雙頭 Dual Heads 半分割(15°) Half Split	MZS-0005
20	100	-	半分割(15°) Half Split	MZS-0010
25	80	-	-	MZS-0011

MAZAK

馬扎克

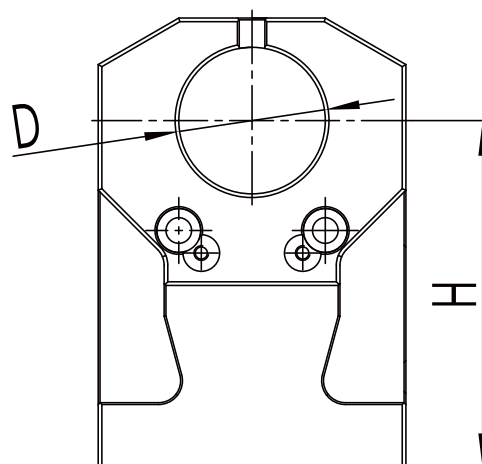
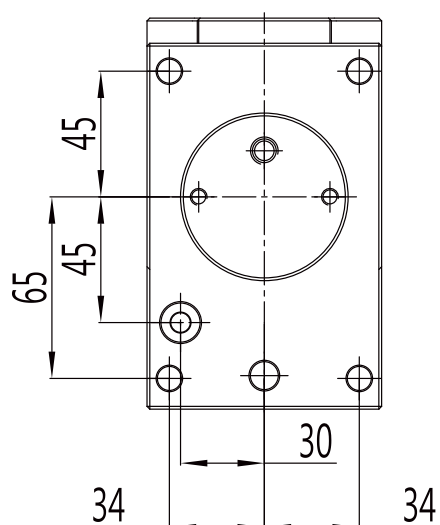
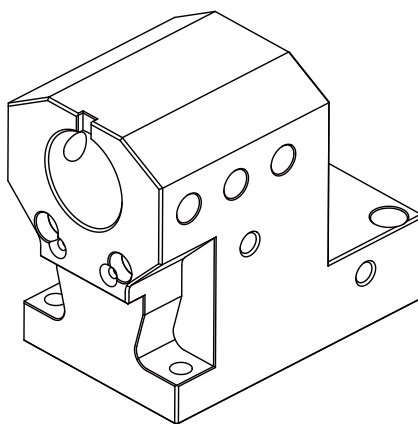
BMT 68

固定刀座
Static Tool Holder

Brand	MAZAK
Model	QT/QTS 100MJMY/MS/MSY;QT/QTS 200-250, M/MY/MS/MSY;QT 200, 250 M/MY/MS/MSY(16D); QTC/QTU 100-350 M/MY/MS/MSY
interface	BMT68 L=90

內孔(B)

Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
32	95	外出水 ext.	-	
32	95	中心出水 int.	-	MZS-0002
40	95	外出水 ext.	-	
40	95	中心出水 int.	-	MZS-0003

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊

※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.

MAZAK

馬扎克

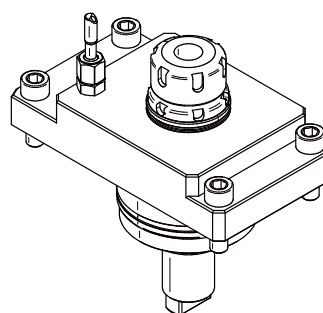
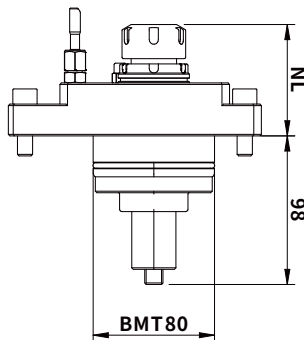
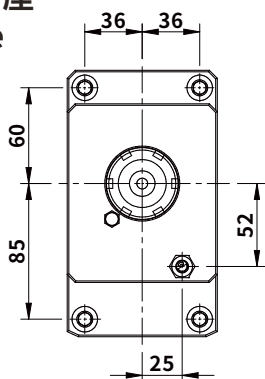
BMT 80

動力刀座 Driven Tool Holder

Brand	MAZAK
Model	QT/OTS 300, 350 M/MY/MS/MSY
Interface	BMT80 L=98

MAZAK

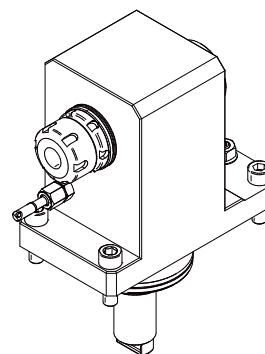
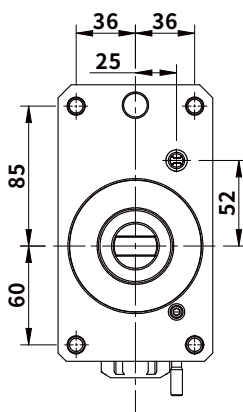
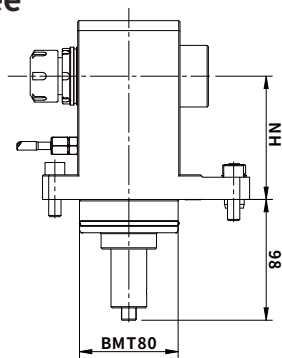
0° 動力刀座 0 Degree



單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	74.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	
ER25	74.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	MZD-0005
ER25	114.7	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭Dual Heads 中心距 PCD=72mm	MZD-0015

90° 動力刀座 90 Degree



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	100	外牙 ext nut	1:1	外出水 ext	6000	-	-	
ER25	100	外牙 ext nut	1:1	中心出水 int	6000	75	-	MZD-0006
ER32	114	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭Dual Heads	MZD-0017
ER40	100	外牙 ext nut	1:1	外出水 ext	6000	-	-	
ER40	100	外牙 ext nut	1:1	中心出水 int	6000	75	-	MZD-0014

MAZAK

馬扎克

BMT 80

動力刀座

Driven Tool Holder

Brand	MAZAK
Model	QT/OTS 300, 350 M/MY/MS/MSY
Interface	BMT80 L=98

萬向

Universal

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER32	72	外牙 ext nut	1:1	外出水 ext	6000	-	-	MZD-0019

滾齒

Hobbing

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	161.75	-	2:1 (減速) (Reduction)	外出水 ext	3000	-	最大加工直徑 Max Dia ø225	MZD-0016

插齒/槽

Broaching

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	100	-	1:1	外出水 ext	400	-	自動抬刀 Auto tool retraction 行程 Stroke 35mm	MZD-0018

MAZAK

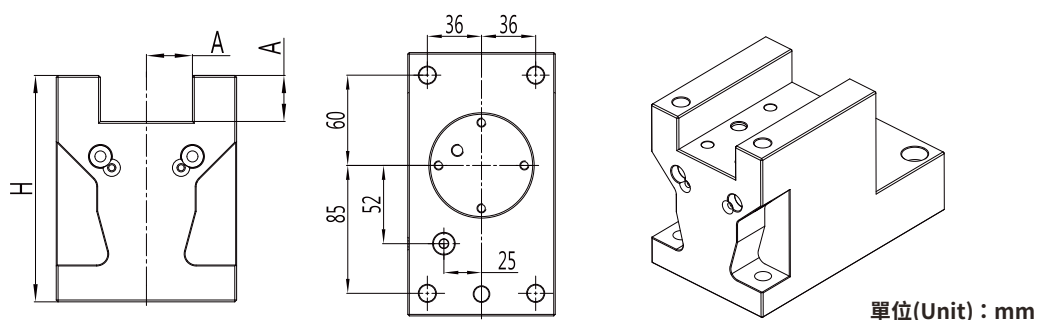
馬扎克

BMT 80

固定刀座 Static Tool Holder

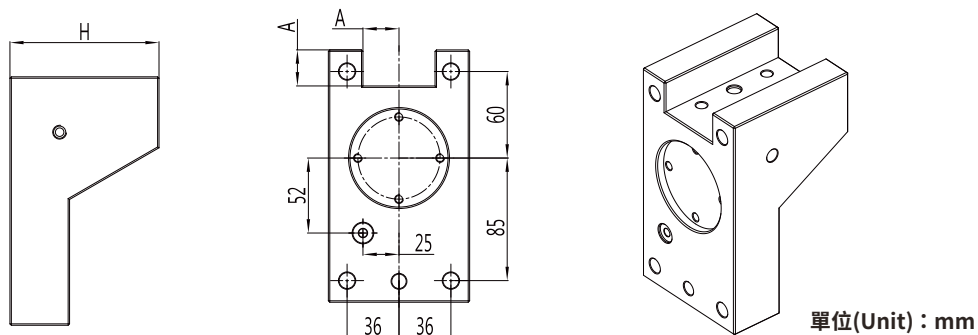
Brand	MAZAK
Model	QT/OTS 300, 350 M/MY/MS/MSY
Interface	BMT80 L=98

端面(F) Facing



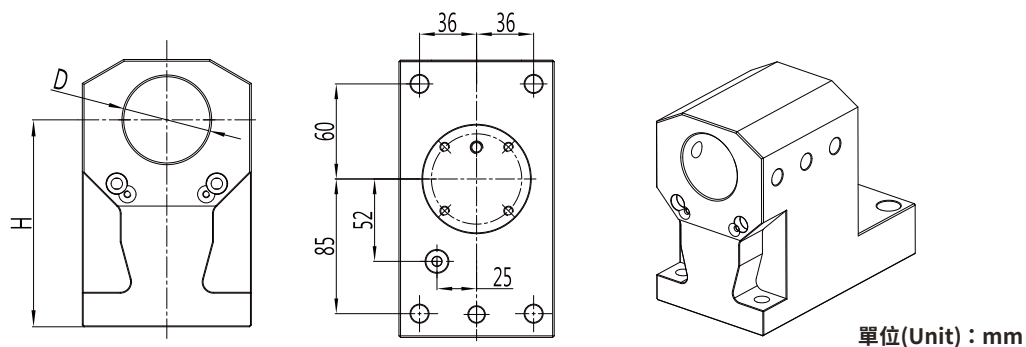
刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	123	-	-	MZS-0008

外徑(C) Turning



刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	105	-	-	MZS-0007

內孔(B) Boring Bar



孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
50	120	外出水 ext	-	MZS-0006
50	120	中心出水 int	-	

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊
 ※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.



Nakamura-Tome



中村留

04

Nakamura-Tome

中村留

BMT 55

動力刀座

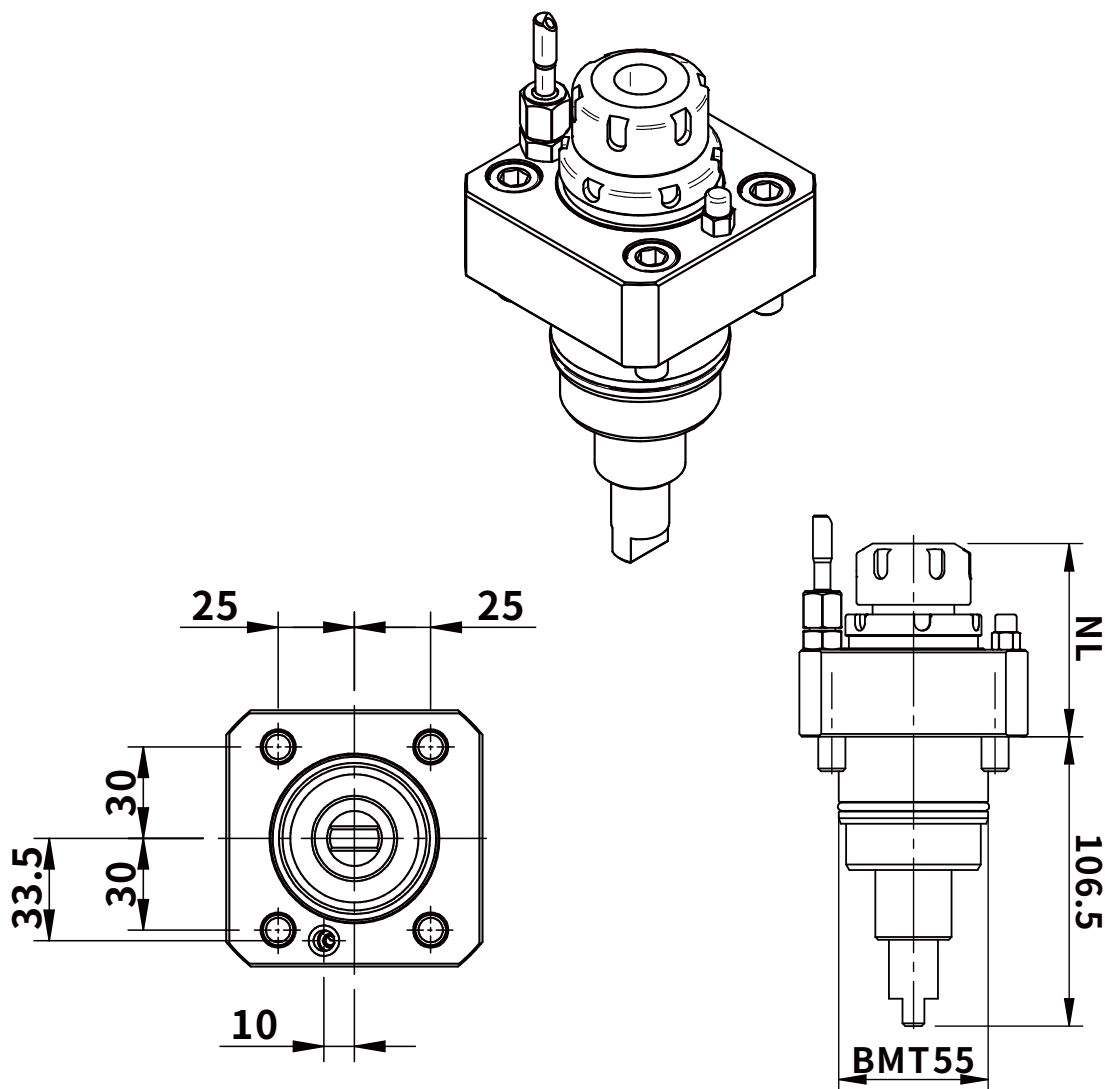
Driven Tool Holder

0° 動力刀座

0 Degree

Brand	Nakamura-Tome
Model	NTY-150,250,WY-150, 250/SC-150/SC-200/ SC-250/WT-150, WT-150 II, WT-250 II/WT-250/ Super NTJ/Super NTM ³
Interface	BMT55 L=106.5

Nakamura-Tome



單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	67.5	外牙 ext nut	1:1	外出水 ext	6000	-	-	NKD-0002
ER32	67.5	外牙 ext nut	1:1	中心出水 int	6000	75	-	
-	71	外牙 ext nut	1:1	外出水 ext	6000	-	側銑 Side MillingØ22	NKD-0006

Nakamura-Tome

中村留

BMT 55

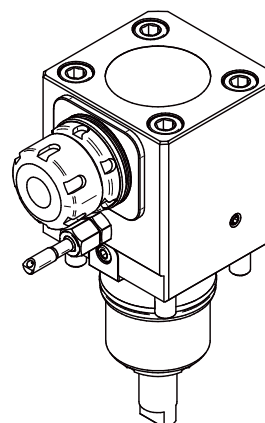
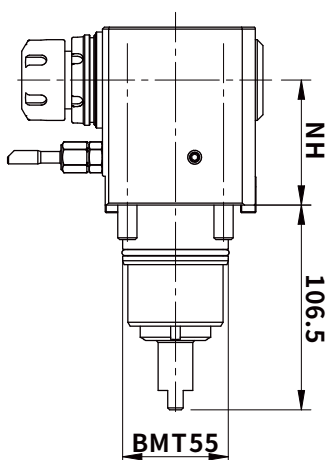
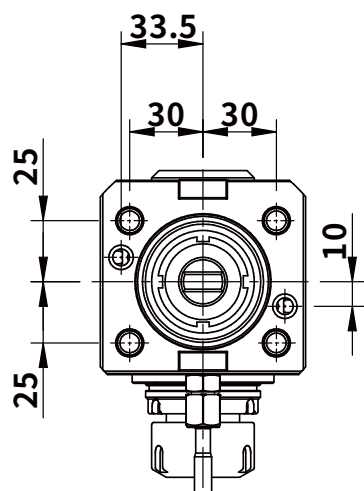
動力刀座

Driven Tool Holder

90° 動力刀座

90 Degree

Brand	Nakamura-Tome
Model	NTY-150,250,WY-150, 250/SC-150/SC-200/ SC-250/WT-150, WT-150 II, WT-250 II/WT-250/ Super NTJ/Super NTM ³
Interface	BMT55 L=106.5



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	55	外牙 ext nut	1:1	外出水 ext	6000	-	-	NKD-0001
ER25	55	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER25	65	外牙 ext nut	1:1	外出水 ext	6000	-	-	NKD-0004
ER25	65	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER25	90	外牙 ext nut	1:1	外出水 ext	6000	-	-	NKD-0003
ER25	90	外牙 ext nut	1:1	中心出水 int	6000	75	-	

萬向 Universal

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER16	55.75	外牙 ext nut	1:1	外出水 ext	6000	-	-	NKD-0007

Nakamura-Tome

中村留

BMT 55

固定刀座

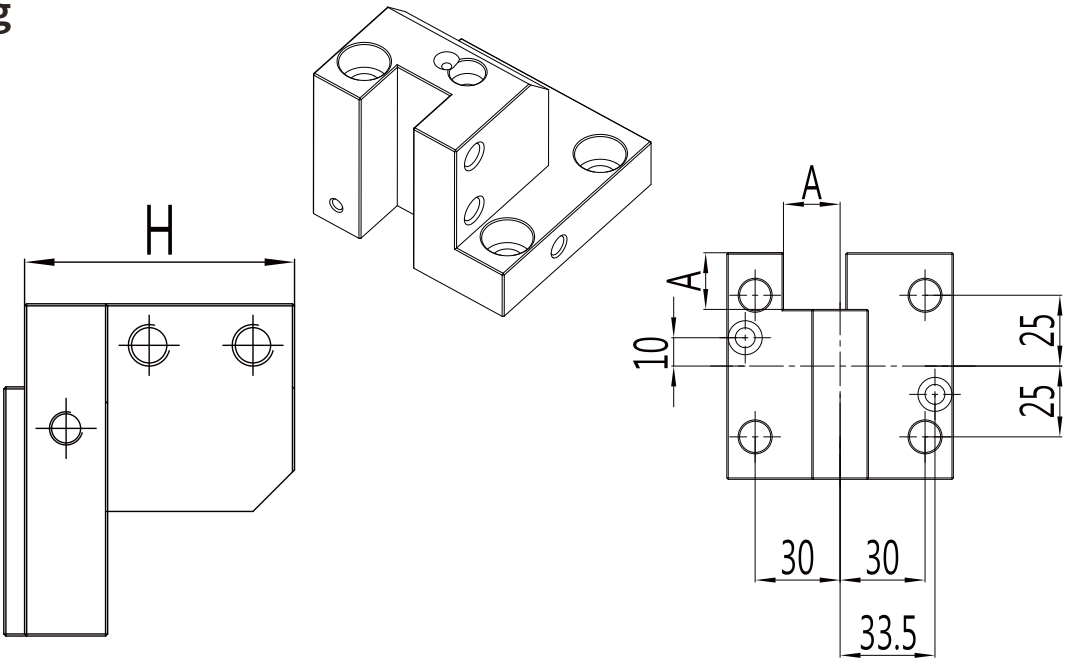
Static Tool Holder

Brand	Nakamura-Tome
	NTY-150,250,WY-150, 250/SC-150/SC-200/ SC-250/WT-150, WT-150 II, WT-250 II/WT-250/ Super NTJ/Super NTM ³
Interface	BMT55 L=106.5

Nakamura-Tome

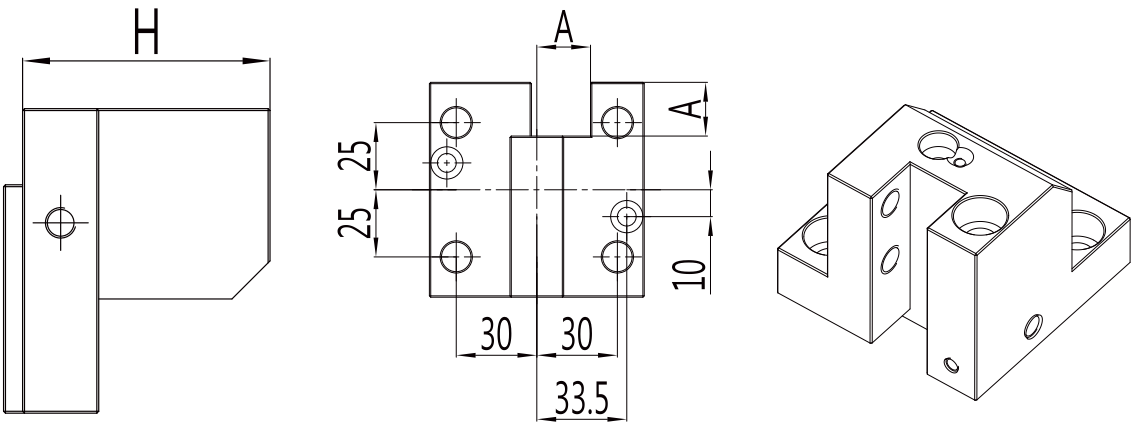
外徑(C)

Turning



單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	65	-	上 Upward	NKS-0002



單位(Unit) : mm

刀柄 Shank(A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	65	-	下 Downward	NKS-0005

Nakamura-Tome

中村留

BMT 55

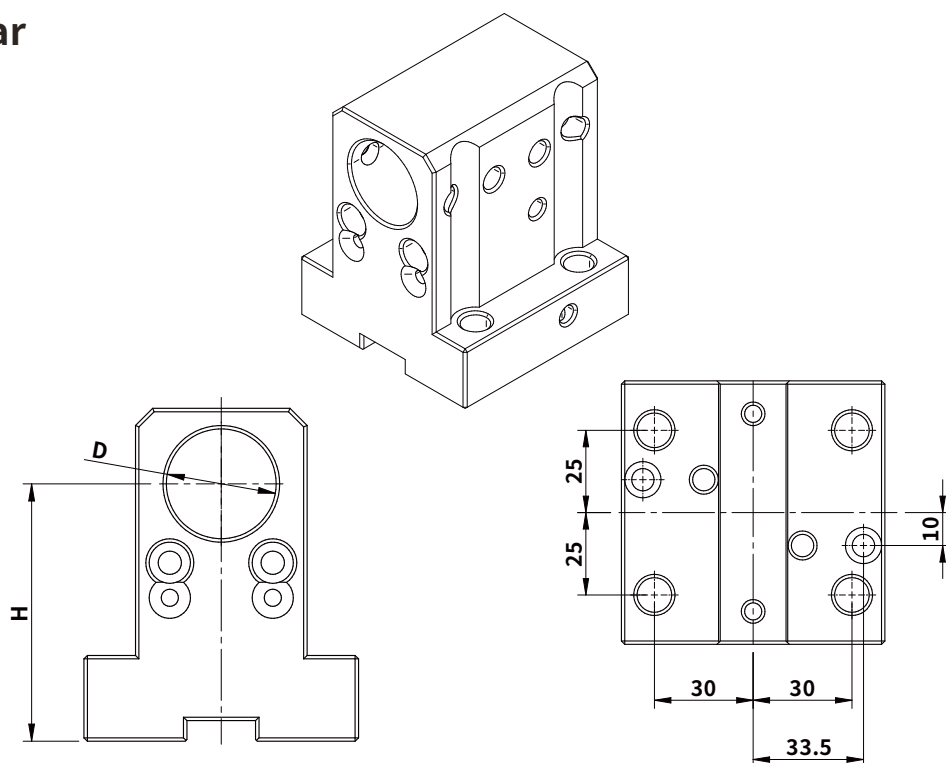
固定刀座

Static Tool Holder

Brand	Nakamura-Tome
Model	NTY-150,250,WY-150, 250/SC-150/SC-200/ SC-250/WT-150, WT-150 II, WT-250 II/WT-250/ Super NTJ/Super NTM ³
Interface	BMT55 L=106.5

內孔(B)

Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	75	外出水 ext	-	NKS-0001
25	75	中心出水 int	-	
32	70	外出水 ext	-	NKS-0003
32	70	中心出水 int	-	

切斷(H) Cut-Off

單位(Unit) : mm

刀柄 Shank(A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	55	-	-	NKS-0004

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊

※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.



MIYANO

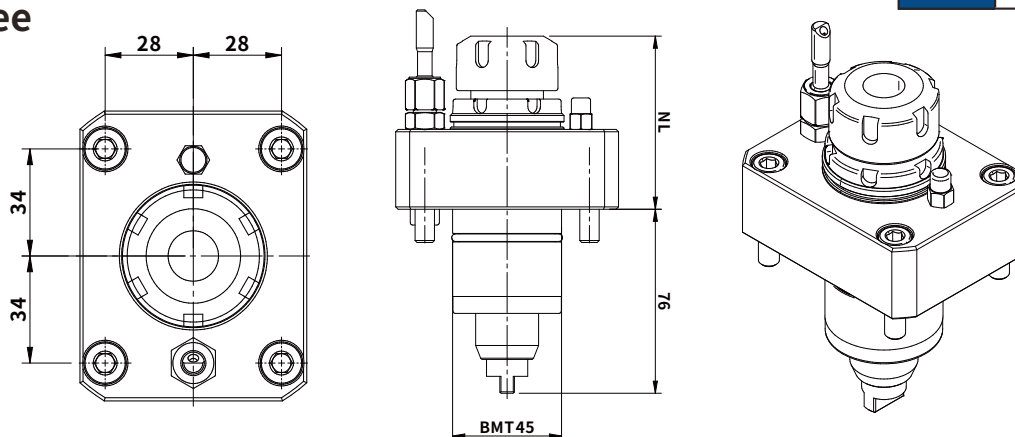


宮野

05

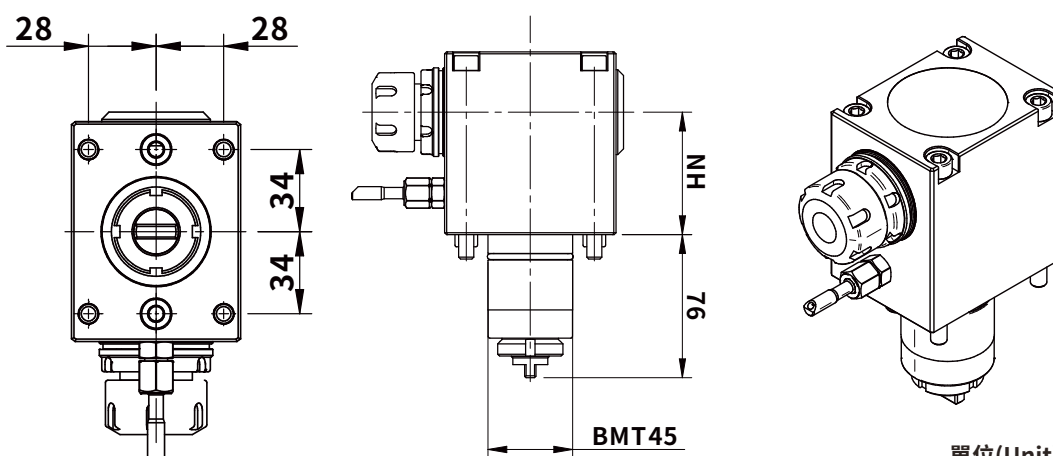
動力刀座
Driven Tool Holder

Brand	Miyano
Model	ABX-51,64 SY/TH2/ TH3; BND/BNE/ BNJ-34/42/ 51(2007.5後); BNJ-34,42,51 S/SY, BNX-42,51 SY/ 程泰 GLS-200M
Interface	BMT45 L=76

0° 動力刀座
0 Degree

單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	68	外牙 ext nut	1:1	外出水 ext	6000	-	-	MYD-0001
ER25	68	外牙 ext nut	1:1	中心出水 int	6000	75	-	

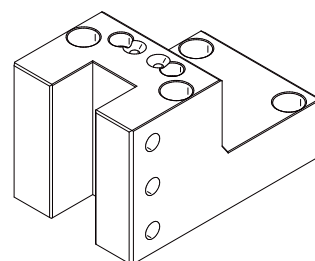
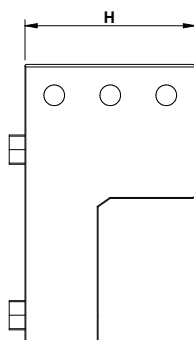
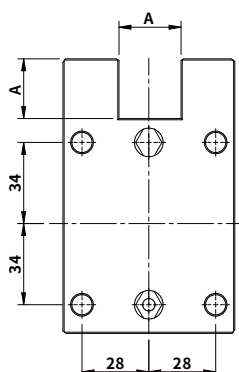
90° 動力刀座
90 Degree

單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	65	外牙 ext nut	1:1	外出水 ext	6000	-	-	MYD-0002
ER25	65	外牙 ext nut	1:1	中心出水 int	6000	75	-	

BMT 45

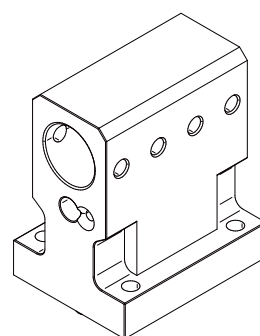
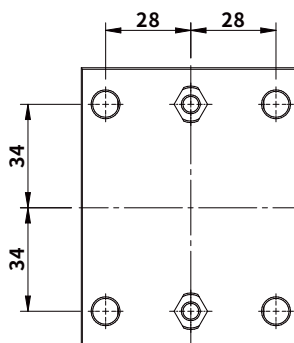
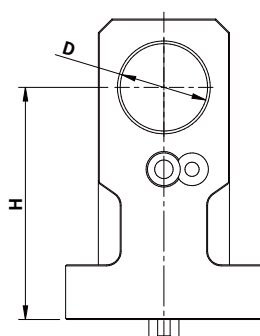
外徑(C)
Turning



單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	70	-	-	MYS-0002

內孔(B)
Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
32	85	外出水 ext	-	MYS-0001
32	85	中心出水 int	-	

切斷(H) Cut-off

單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	55	-	-	MYS-0003

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊

※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.



Tsugami



津上

06

Tsugami

津上

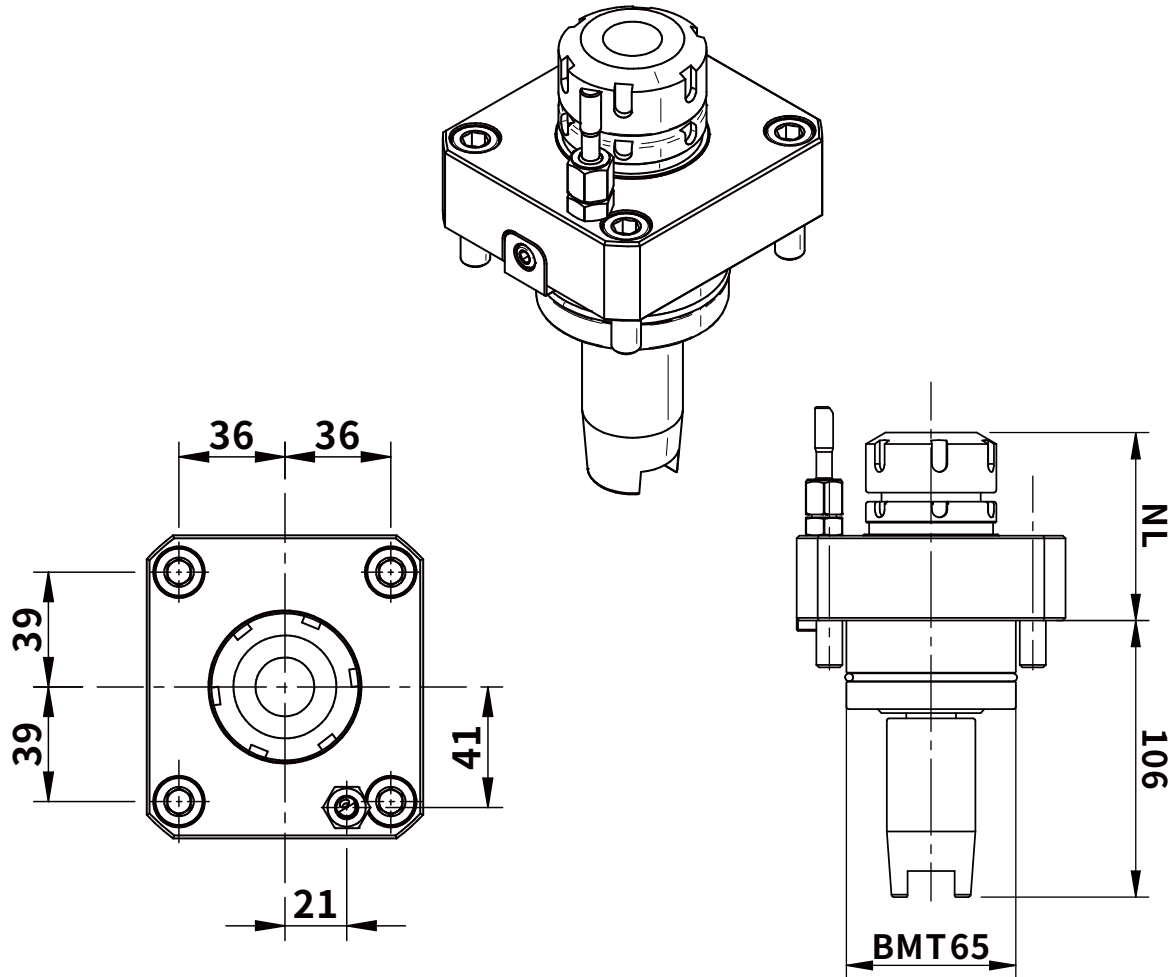
BMT 65

動力刀座
Driven Tool Holder

Brand	Tsugami
Model	M06D/DY/SD/SY; M08D/DY/SD/SY
Interface	BMT65 L=106

Tsugami

0° 動力刀座
0 Degree



單位(Unit) : mm

ER	NL	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER25	72	外牙 ext nut	1:1	外出水 ext	6000	-	-	TGD-0006
ER25	72	外牙 ext nut	1:1	中心出水 int	6000	75	-	
ER25	109.8	外牙 ext nut	1:1	外出水 ext	6000	-	偏心 Offset	TGD-0001
ER32	72	外牙 ext nut	1:1	外出水 ext	6000	-	-	TGD-0002
ER32	72	外牙 ext nut	1:1	中心出水 int	6000	75	-	

Tsugami

津上

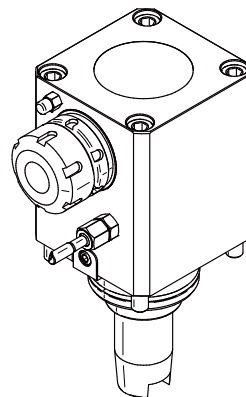
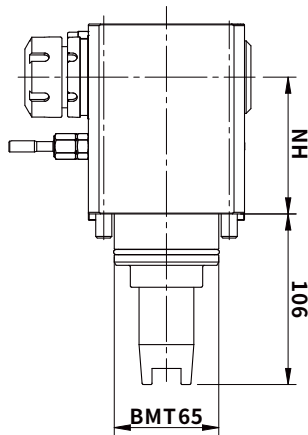
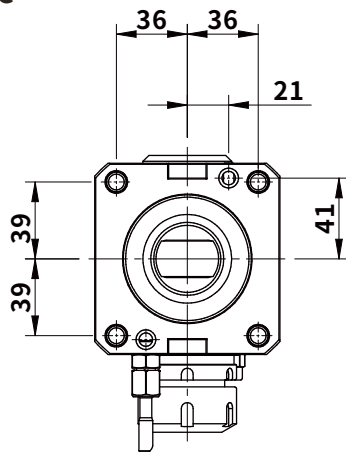
動力刀座

Driven Tool Holder

BMT 65

90° 動力刀座

90 Degree



單位(Unit) : mm

ER	NH	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER32	85	外牙 ext nut	1:1	外出水 ext	6000	-	-	TGD-0003
ER32	85	外牙 ext nut	1:1	中心出水 int	6000	75	-	
左(L)ER32 右(R)ER25	85	外牙 ext nut	1:1	外出水 ext	6000	-	雙頭 Dual Heads 左主軸:正轉;右主軸:反轉 Left Spindle:Clockwise; Right Spindle: Counterclockwise	TGD-0007

萬向 Universal

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
ER20	55.75	外牙 ext nut	1:1	外出水 ext	6000	-	-	TGD-0005

滾齒 Hobbing

單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	-	-	1:1	外出水 ext	3000	-	最大加工直徑 Max Dia.=Ø225	TGD-0009

插齒/槽 Broaching

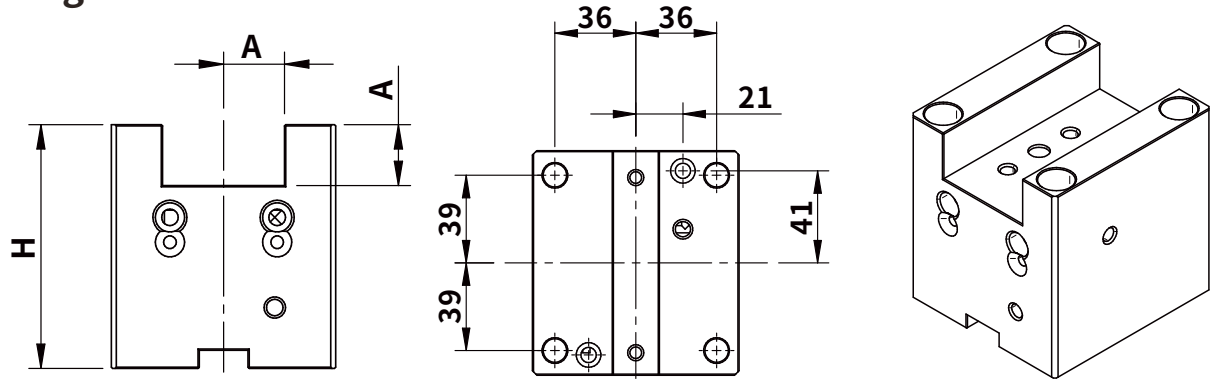
單位(Unit) : mm

ER	L	內/外牙 int/ext nut	齒比 Ratio	出水方式 Coolant Supply	轉速 rpm	出水壓力 bar	備註 Note	圖號 Drawing no.
-	-	-	1:1	外出水 ext	600	-	行程Stroke 35mm	TGD-0008

Brand	Tsugami
Model	M06D/DY/SD/SY; M08D/DY/SD/SY
Interface	BMT65 L=106

端面(F)

Facing

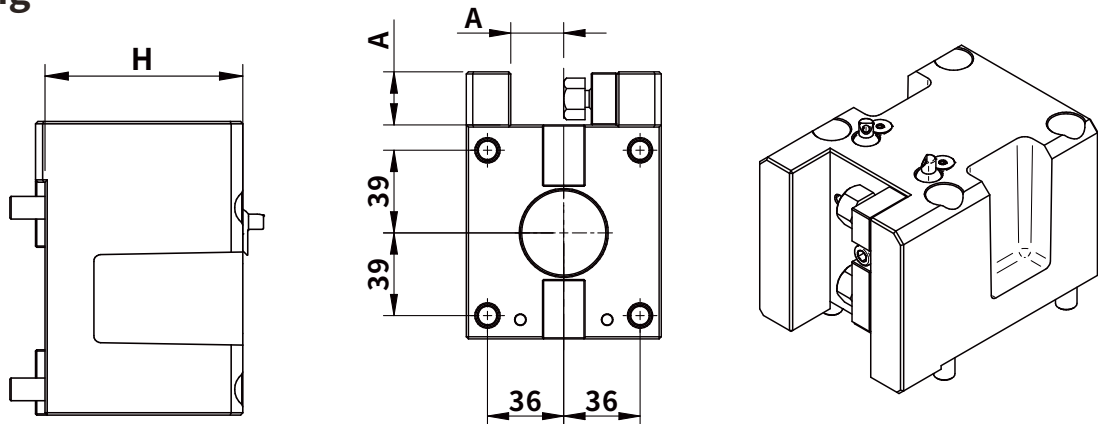


單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
25	75	-	-	TGS-0002
25	85	-	-	TGS-0005

外徑(C)

Turning



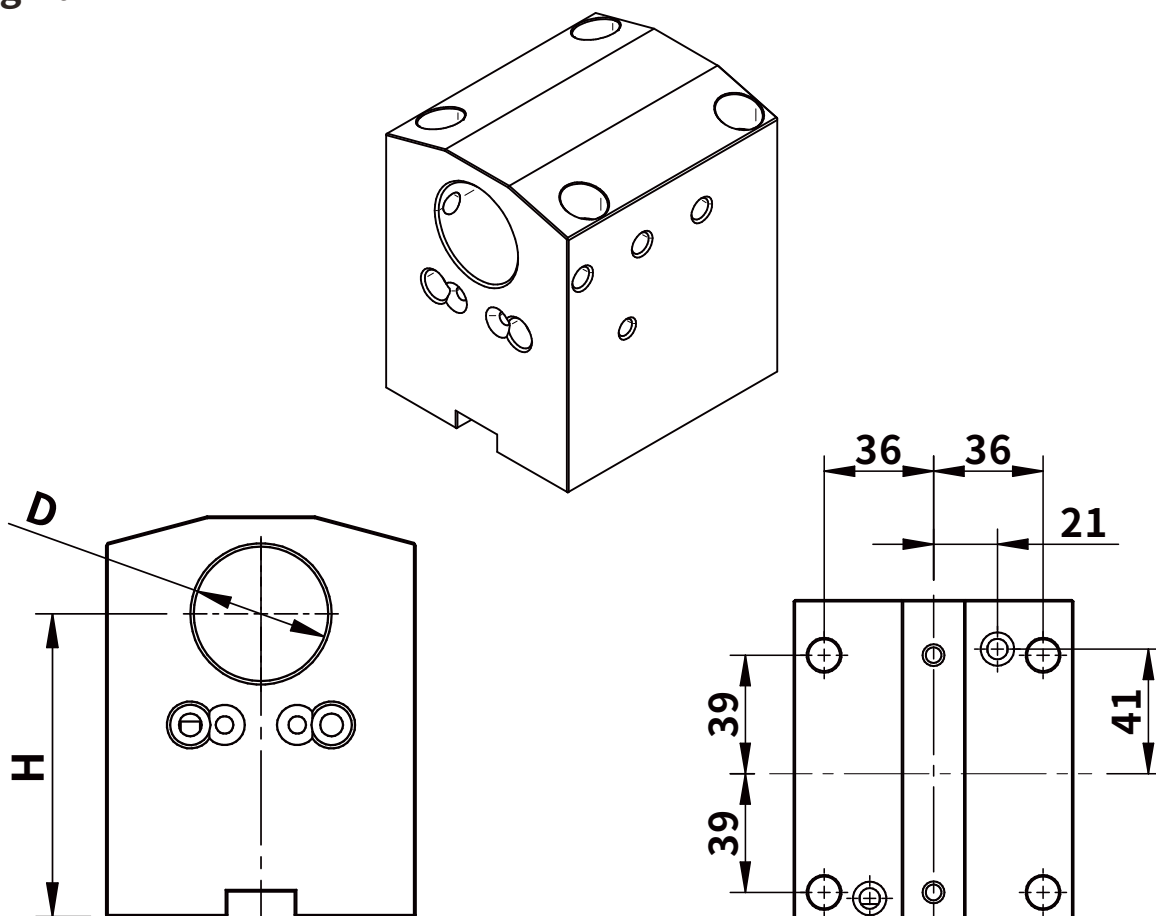
單位(Unit) : mm

刀柄 Shank (A)	H	出水方式 Coolant Supply	備註 Note	圖號 Drawing no.
20	70	-	多頭 Multi Heads	TGS-0006
25	85	-	-	TGS-0008
25	85	-	雙頭 Dual Heads	TGS-0007

Brand	Tsugami
Model	M06D/DY/SD/SY; M08D/DY/SD/SY
Interface	BMT65 L=106

內孔(B)

Boring Bar



單位(Unit) : mm

孔徑 Diameter (D)	NH (H)	出水方式 Coolant Supply	備註 Note	圖號 Coding No
40	90	外出水 ext	-	TGS-0004
40	90	中心出水 int	-	
40	101	外出水 ext	單向雙頭 One-way Dual Heads	TGS-0001
40	54/101	外出水 ext	雙頭 Dual Heads	TGS-0003

※如需其他規格刀座或其他配件(測試棒、原點規),請聯繫霄特業務團隊

※For other tool holder or accessory specs (e.g., test mandrel, origin gauge), please contact the GPM sales team.

角度頭系列

Angle Head Series

07

GHF 輕量化角度頭 - - - - - 48
GHF angle heard holder

GAR 大鋼炮銑削頭 - - - - - 49
GAR angle heard holder

GAU 萬向銑削頭 - - - - - 52
GAU angle heard holder

GHG 小徑銑削頭 - - - - - 53
GHG angle heard holder

BT / GAG-D 雙頭龍銑削頭 - - 54
BT/GAG-D ANGLE HEAD HOLDER



Angle Head Series



角度頭系列

07

GHF 輕量化角度頭

所有角度頭系列皆適用ATC自動換刀系統
ATC is available for all angle head series.



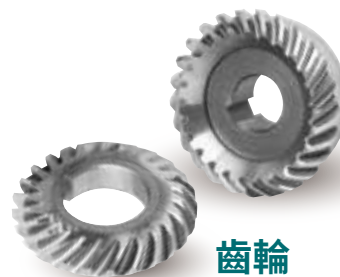
鋁合金
6066

MAX. TORQUE
15NM

MAX. SPEED
4,000RPM

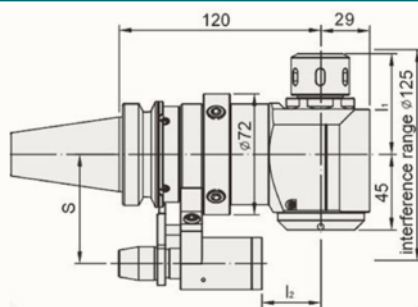


日製軸承
Japanese-made
Bearing
Precision: P4



齒輪
Ground Gear
JIS B1704 : 1978 : 2

► 適用鑽孔、攻牙
For drilling & tapping



(unit : mm)

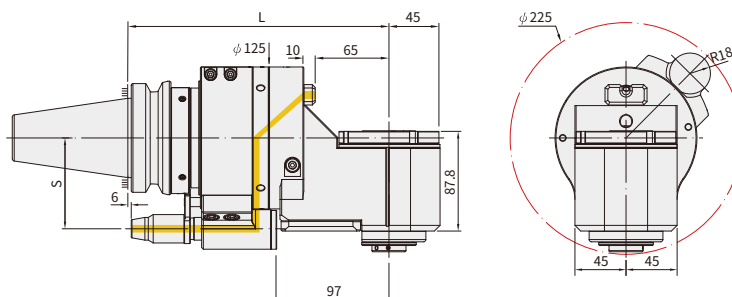
TYPE	L	l ₁	l ₂	S	MAX. TORQUE	OUTPUT	Drill/Tap Size Capacity	NW. (kgs)
BT40 x GHF16P -120 - UM	120	58.5	35	65	15 N-m	PRO-E16	3mm ~ 10mm	3.8
BT40 x GHF20P -120 - UM	120	58.0	35	65	15 N-m	PRO-E20	3mm ~ 10mm	4.5

GAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

GAR 大鋼炮銑削頭

(PSC TYPE)



(unit : mm)

TYPE	L	S	TORQUE	NW. (kgs)
BT50 x GAR50 / PSC50 - 230	230	80	50 N-m	16.1
BT50 x GAR50 / PSC50 - 230S	230	110	50 N-m	16.1
SBT50 x GAR50 / PSC50 - 230	230	80	50 N-m	16.1
SBT50 x GAR50 / PSC50 - 230S	230	110	50 N-m	16.1
CAT50 x GAR50 / PSC50 - 230	234.95	80	50 N-m	16.1
CAT50 x GAR50 / PSC50 - 230S	234.95	110	50 N-m	16.1
SCAT50 x GAR50 / PSC50 - 230	234.95	80	50 N-m	16.1
SCAT50 x GAR50 / PSC50 - 230S	234.95	110	50 N-m	16.1
DAT50 x GAR50 / PSC50 - 230	235	80	50 N-m	16.1
DAT50 x GAR50 / PSC50 - 230S	235	110	50 N-m	16.1
SDAT50 x GAR50 / PSC50 - 230	235	80	50 N-m	16.1
SDAT50 x GAR50 / PSC50 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. coolant pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.

Reminder:

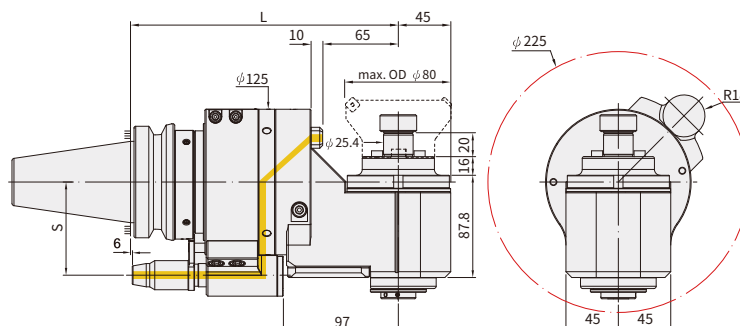
- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

GAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

GAR 大鋼炮銑削頭

(FMA TYPE)



(unit : mm)

TYPE	L	S	TORQUE	NW. (kgs)
BT50 x GAR50 / FMA25.4 - 230	230	80	50 N-m	16.1
BT50 x GAR50 / FMA25.4 - 230S	230	110	50 N-m	16.1
SBT50 x GAR50 / FMA25.4 - 230	230	80	50 N-m	16.1
SBT50 x GAR50 / FMA25.4 - 230S	230	110	50 N-m	16.1
CAT50 x GAR50 / FMA25.4 - 230	234.95	80	50 N-m	16.1
CAT50 x GAR50 / FMA25.4 - 230S	234.95	110	50 N-m	16.1
SCAT50 x GAR50 / FMA25.4 - 230	234.95	80	50 N-m	16.1
SCAT50 x GAR50 / FMA25.4 - 230S	234.95	110	50 N-m	16.1
DAT50 x GAR50 / FMA25.4 - 230	235	80	50 N-m	16.1
DAT50 x GAR50 / FMA25.4 - 230S	235	110	50 N-m	16.1
SDAT50 x GAR50 / FMA25.4 - 230	235	80	50 N-m	16.1
SDAT50 x GAR50 / FMA25.4 - 230S	235	110	50 N-m	16.1

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. coolant pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.

Reminder:

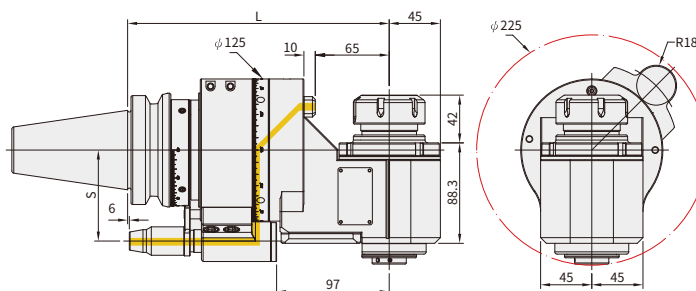
- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

GAR ANGLE HEAD HOLDER

FOR HEAVY-DUTY CUTTING

GAR 大鋼炮銑削頭

(ER TYPE)



(unit : mm)

TYPE	L	S	TORQUE	NW. (kgs)
BT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
BT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4
SBT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
SBT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4
CAT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
CAT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4
SCAT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
SCAT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4
DAT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
DAT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4
SDAT50 x GAR50 / ER40 - 230	230	80	50 N-m	16.4
SDAT50 x GAR50 / ER40 - 230S	230	110	50 N-m	16.4

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 3000rpm.
- ▶ Suggested $A_p \leq 4\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from a coolant nozzle.
- ▶ Max. coolant pressure: 7kgf/cm^2 (100PSI).
- ▶ Rotating direction same as machine spindle.
- ▶ Can be used for ATC.

Reminder:

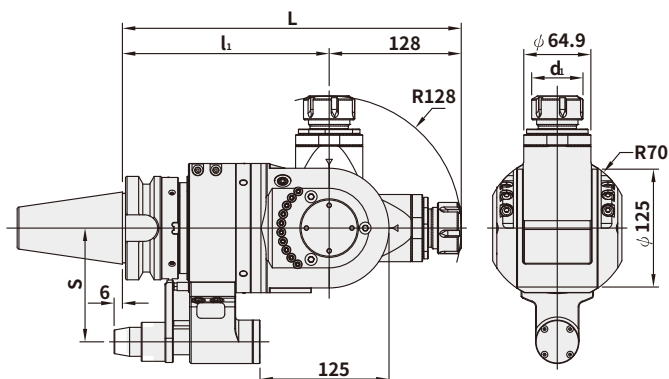
- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

GAU ANGLE HEAD HOLDER

UNIVERSAL TYPE FOR MEDIUM CUTTING

GAU 萬向銑削頭

(ER TYPE)



(unit : mm)

TYPE	L	li	S	TORQUE	COLLET	SIZE RANGE	NW. (kgs)
BT50 x GAU32E - 328	328	200	80	40 N-m	ER32	3 ~ 20	20.6
BT50 x GAU32E - 328S	328	200	110	40 N-m	ER32	3 ~ 20	20.9
CAT50 x GAU32E - 13.1"	13.1	7.87	2.559	40 N-m	ER32	3 ~ 20	21.2
CAT50 x GAU32E - 13.1"S	13.1	7.87	4.33	40 N-m	ER32	3 ~ 20	21.5

Product information:

- ▶ Gear ration 1:1.
- ▶ Max. revolution: 4,000rpm.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Adjustable spindle angle from 0° to 90° on inclined surfaces.
- ▶ Adjustabl angle increment: 1° .
- ▶ Coolant feed through dowel pin, coolant outlet from coolant pipes or coolant nozzle.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Can be used for ATC.

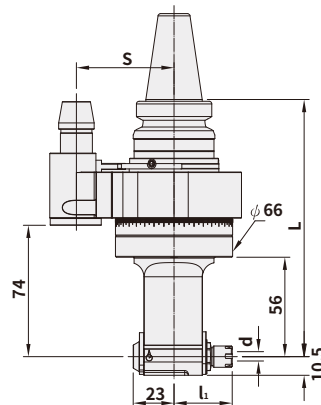
Reminder:

- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

GHG ANGLE HEAD HOLDER

GHG 小徑銑削頭

(ER & SK3 TYPE)



(unit : mm)

TYPE	L	li	S	TORQUE	COLLET	d SIZE RANGE	NW. (kgs)
BT30 x GHG8P - 145	145	32.8	55	15 N-m	ER8	1 ~ 5	2.15
BT30 x GHG6K - 145	145	44.6	55	15 N-m	SKX6	1 ~ 6	2.15
SBT30 x GHG8P - 145	145	32.8	55	15 N-m	ER8	1 ~ 5	2.15
SBT30 x GHG6K - 145	145	44.6	55	15 N-m	SKX6	1 ~ 6	2.15

Product information:

- ▶ Suitable for drilling, tapping, light milling, and machining stepped workpiece or workpiece with ID size more than $\varnothing 60$.
- ▶ Max. revolution: 3,000rpm.
- ▶ Recommended cutting depth (A_p) ≤ 2 mm.
- ▶ Internal coolant not available.
- ▶ Rotating direction opposite to machine spindle.
- ▶ Workable for ATC system.

Reminder:

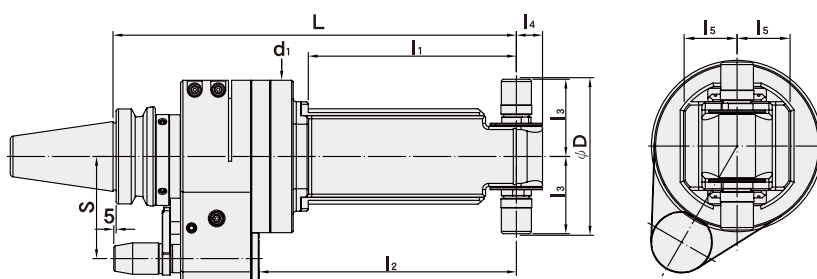
- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.

GAG-D ANGLE HEAD HOLDER

FOR DUAL SIDE MACHINING

BT / GAG-D 雙頭龍銑削頭 [用於雙面加工]

(SK3 TYPE)



(unit : mm)

TYPE	L	l ₁	l ₂	l ₃	l ₄	l ₅	φ D	S	TORQUE	COLLET	SIZE RANGE	NW. (kgs)
BT40	200	75.2	107	50.2	17	21	104	65	10N-m	SKX6	3 ~ 6	5.30
	230	105.2	137	50.2	17	21	104	65	10N-m	SKX6	3 ~ 6	5.50
	260	135.2	167	50.2	17	21	104	65	10N-m	SKX6	3 ~ 6	5.70
	170	38.5	77	64.75	28	34	135	65	25N-m	SKX10	3~10	5.50
	200	98	107	64.75	28	34	135	65	25N-m	SKX10	3~10	6.20
	230	128	137	64.75	28	34	135	65	25N-m	SKX10	3~10	6.90
	260	158	167	64.75	28	34	135	65	25N-m	SKX10	3~10	7.60
	170	38.5	77	66.25	28	34	138	65	25N-m	SKX13	3~13	5.50
	200	98	107	66.25	28	34	138	65	25N-m	SKX13	3~13	6.20
	230	128	137	66.25	28	34	138	65	25N-m	SKX13	3~13	6.90
BT50	260	158	167	66.25	28	34	138	65	25N-m	SKX13	3~13	7.60
	215	98	107	64.75	28	34	135	80	25N-m	SKX10	3~10	9.50
	245	128	137	64.75	28	34	135	80	25N-m	SKX10	3~10	9.90
	275	158	167	64.75	28	34	135	80	25N-m	SKX10	3~10	10.3
	185	38.5	77	66.25	28	34	138	80	25N-m	SKX13	3~13	9.10
	215	98	107	66.25	28	34	138	80	25N-m	SKX13	3~13	9.50
	245	128	137	66.25	28	34	138	80	25N-m	SKX13	3~13	9.90
	275	158	167	66.25	28	34	138	80	25N-m	SKX13	3~13	10.3

Feature:

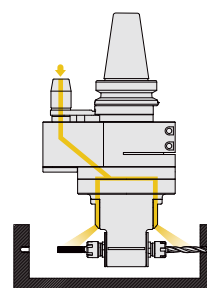
- ▶ GAG-D has two output tool shafts and can achieve machining at 180 degree opposite directions.
- ▶ Reduce tool changing frequency and increase machining efficiency.
- ▶ Save your money buying another angle head for different direction of lateral machining.
- ▶ Conserve the space of tool magazine.

Product information:

- ▶ Gear ratio 1:1.
- ▶ Max. revolution: 6000rpm.
- ▶ Suggested $A_p \leq 2\text{mm}$.
- ▶ Coolant feed through dowel pin, coolant outlet from 2 coolant holes.
- ▶ Max. coolant pressure: 7kgf/cm^2 (100PSI).
- ▶ Two outputs rotate in different directions.
- ▶ Can be used for ATC.

Reminder:

- ▶ Fixed blocks are necessary for installing angle head on the machine.
- ▶ Fixed blocks are varied by different machine designs. Please confirm the detailed dimensions when ordering.





Gpm *The new
Revolution*

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