



# Tooling Systems

## 刀桿系統



## BT CHU CNC DRILL CHUCKS

### BT 直結式鑽夾頭

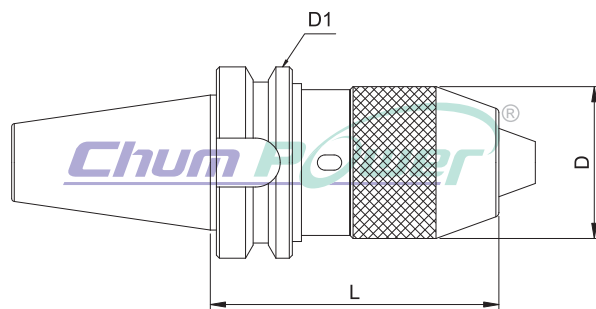
BT Shank JIS B 6339(MAS 403 BT)

#### APPLICATION:

- The product can be adapted for the general lathe or the drilling processing whose machines center can supply with NT spindle.
- 適用於傳統銑床或其他提供NT主軸介面之工作母機作鑽孔加工。

#### FEATURES:

- 3 times better clamping capacity, comparing to keyed drill chucks.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyed drill chucks.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力
- 鑽頭不會鬆脫或掉落
- 比普通夾頭多出2倍精準
- 可替換式的夾頭



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
BT01005	BT30xCHU8- 75	75	37	46	12802
BT01010	BT30xCHU13- 90	90	50		12806
BT01015	BT40xCHU8- 85	85	37	63	12802
BT01025	BT40xCHU13-95	95	50		12806
BT01030	BT40xCHU13-130	130			12808
BT01035	BT40xCHU13-150	150	57		12808
BT01045	BT40xCHU16-120	120	57	100	12806
BT01050	BT50xCHU13- 110	110	50		12808
BT01055	BT50xCHU13- 150	150			57
BT01064	BT50xCHU16-110	110	12808		
BT01065	BT50xCHU16-130	130			
BT01070	BT50xCHU16-145	145			

\*Custom-built products are available on request.

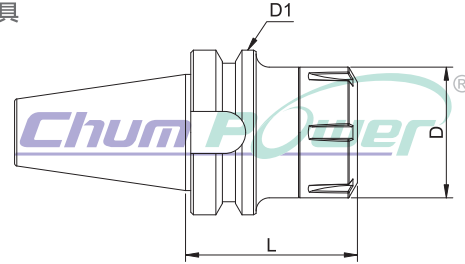
## BT ER COLLET CHUCKS

### BT刀把 ER立銑式

BT Shank JIS B 6339(MAS 403 BT) with Collet Chuck DIN 6499

#### APPLICATION:

- The product can be applied for end mills, drill bits, drill reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀, 鑽頭, 絞刀, 絲攻及可夾持任何直柄的刀具及工具



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號	
BT02005	BT30xER11- 60	60	19	46	80072-01	
BT02010	BT30xER16- 50	50	28		80072-02	
BT02015	BT30xER16- 60	60				70
BT02020	BT30xER16- 70	70				
BT02025	BT30xER16- 100	100	34			
BT02030	BT30xER16- 120	120				50
BT02035	BT30xER20- 50	50		63		
BT02040	BT30xER20- 60	60	70			
BT02045	BT30xER20- 70	70			100	
BT02050	BT30xER20- 100	100	135			
BT02055	BT30xER20- 135	135			42	
BT02060	BT30xER25- 60	60	50			
BT02065	BT30xER25- 100	100		50		
BT02070	BT30xER25- 135	135	63			
BT02075	BT30xER32- 60	60		70		
BT02080	BT30xER32- 70	70	100			
BT02085	BT30xER32- 100	100		63		
BT02090	BT30xER40- 80	80	78			
BT02095	BT40xER11- 70	70		19	63	80072-01
BT02100	BT40xER11- 100	100	28			80072-02
BT02105	BT40xER16- 60	60		34		
BT02106	BT40xER16- 70	70	80			
BT02110	BT40xER16- 100	100		100		
BT02115	BT40xER16- 125	125	42			
BT02120	BT40xER16- 150	150		50		
BT02130	BT40xER20- 60	60	63			
BT02131	BT40xER20- 70	70		70		
BT02135	BT40xER20- 80	80	80			
BT02140	BT40xER20- 100	100		100		
BT02145	BT40xER20- 135	135	125			
BT02150	BT40xER20- 150	150		150		
BT02155	BT40xER25- 70	70	42			
BT02160	BT40xER25- 80	80		50		
BT02165	BT40xER25- 100	100	63			
BT02170	BT40xER25- 125	125		70		
BT02175	BT40xER25- 150	150	80			
BT02180	BT40xER32- 60	60		100		
BT02185	BT40xER32- 70	70	150			
BT02190	BT40xER32- 100	100		63		
BT02195	BT40xER32- 150	150	78			
BT02200	BT40xER40- 70	70		80		
BT02205	BT40xER40- 100	100	100			
BT02210	BT40xER40- 120	120		150		
BT02215	BT40xER40- 150	150	90			
BT02220	BT40xER50- 90	90		100		
BT02225	BT40xER50- 100	100	80072-06			
						80072-07

\*Custom-built products are available on request.



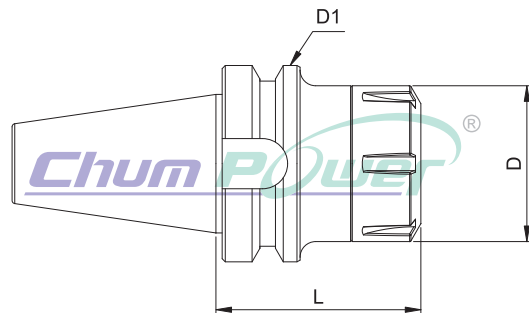
## BT ER COLLET CHUCKS

BT刀把 ER立銑式

BT Shank JIS B 6339(MAS 403 BT) with Collet Chunk DIN 6499

**APPLICATION:**

- The product can be applied for end mills, drill bits, drill reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀,鑽頭,鉸刀,絲攻及可夾持任何直柄的刀具及工具



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
BT02230	BT50xER16- 70	70	28	100	80072-02
BT02235	BT50xER16- 90	90			
BT02240	BT50xER16- 100	100			
BT02245	BT50xER16- 135	135			
BT02250	BT50xER16- 150	150			
BT02265	BT50xER20- 70	70	34		80072-03
BT02270	BT50xER20- 90	90			
BT02280	BT50xER20- 105	105			
BT02285	BT50xER20- 135	135			
BT02290	BT50xER20- 150	150	42		80072-04
BT02310	BT50xER25- 70	70			
BT02320	BT50xER25- 105	105			
BT02325	BT50xER25- 135	135	50		80072-05
BT02330	BT50xER25- 150	150			
BT02350	BT50xER32- 80	80			
BT02355	BT50xER32- 100	100	63	80072-06	
BT02360	BT50xER32- 120	120			
BT02365	BT50xER32- 150	150			
BT02380	BT50xER40- 80	80			
BT02385	BT50xER40- 100	100	78	80072-07	
BT02390	BT50xER40- 120	120			
BT02395	BT50xER40- 135	135			
BT02400	BT50xER40- 150	150			
BT02410	BT50xER50- 100	100			
BT02415	BT50xER50- 120	120			
BT02420	BT50xER50- 150	150			

\*Custom-built products are available on request.



## BT MILLING CHUCKS

### BT 強力式立銑刀把

BT Shank JIS B 6339(MAS 403 BT)

#### FEATURES:

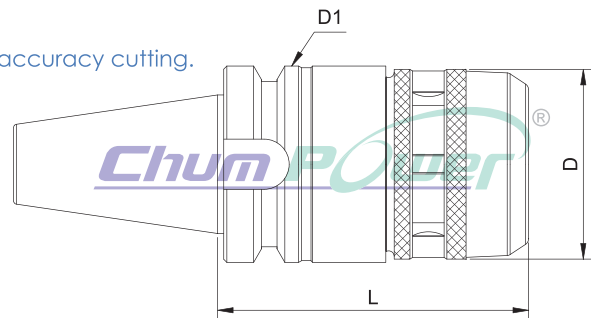
- It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- High rigidity
- High precision

#### 特性

- 內部滾針設計，可減少鎖緊時之摩擦阻力及零件磨耗。
- 防塵設計減少鐵屑掉入以延長使用壽命。
- 高夾持力，防止刀具於加工時滑脫，增加刀具壽命
- 剛性
- 高精密

#### APPLICATION:

- The Milling chuck can be applied for heavy-duty & higher accuracy cutting.
- 此強力銑刀把適用重型及高精密切削



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
BT03005	BT30xC20- 80	80	52	46	80200-05
BT03015	BT30xC25- 85	85	60		80200-10
BT03020	BT40xC20- 85	85	52	63	80200-05
BT03025	BT40xC20- 100	100			
BT03030	BT40xC20- 135	135			
BT03035	BT40xC25- 90	90	60	63	80200-10
BT03040	BT40xC25- 135	135			
BT03055	BT40xC32- 105	105	69	63	80200-15
BT03065	BT40xC32- 135	135			
BT03070	BT50xC20- 105	105	52	100	80200-05
BT03075	BT50xC20- 150	150			
BT03080	BT50xC25- 100	100			
BT03085	BT50xC25- 150	150	60	100	80200-10
BT03095	BT50xC32- 110	110			
BT03100	BT50xC32- 135	135	69	100	80200-15
BT03105	BT50xC32- 150	150			
BT03125	BT50xC42- 110	110	86	100	80200-20
BT03130	BT50xC42- 135	135			
BT03135	BT50xC42- 150	150			

\*Custom-built products are available on request.



## BT SIDE LOCK END MILL HOLDER

BT 側固式立銑刀把

BT Shank JIS B 6339(MAS 403 BT) with Side Lock End Mill 1835B

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

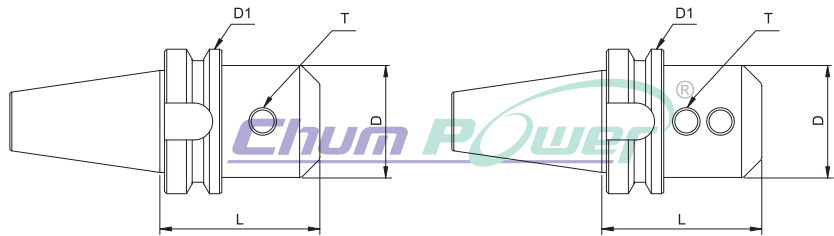


FIG. 1

FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
BT04005	BT30xSLN6- 60	60	25	46	M6	1
BT04010	BT30xSLN8- 60	60	28	46	M8	1
BT04015	BT30xSLN10- 60	60	35	46	M10	1
BT04020	BT30xSLN12- 60	60	42	46	M12	1
BT04025	BT30xSLN16- 75	75	48	46	M14	1
BT04030	BT30xSLN20- 75	75	52	46	M16	1
BT04040	BT30xSLN25- 90	90	65	46	M18	2
BT04045	BT40xSLN6- 50	50	25	63	M6	1
BT04050	BT40xSLN6- 75	75	25	63	M6	1
BT04055	BT40xSLN6- 100	100	25	63	M6	1
BT04060	BT40xSLN6- 150	150	25	63	M6	1
BT04065	BT40xSLN8- 50	50	28	63	M8	1
BT04070	BT40xSLN8- 75	75	28	63	M8	1
BT04075	BT40xSLN8- 100	100	28	63	M8	1
BT04080	BT40xSLN8- 150	150	28	63	M8	1
BT04085	BT40xSLN10- 63	63	35	63	M10	1
BT04090	BT40xSLN10- 75	75	35	63	M10	1
BT04095	BT40xSLN10- 100	100	35	63	M10	1
BT04100	BT40xSLN10- 150	150	35	63	M10	1
BT04105	BT40xSLN12- 63	63	42	63	M12	1
BT04110	BT40xSLN12- 75	75	42	63	M12	1
BT04115	BT40xSLN12- 100	100	42	63	M12	1
BT04120	BT40xSLN12- 150	150	42	63	M12	1
BT04125	BT40xSLN14- 75	75	44	63	M12	1
BT04130	BT40xSLN14- 100	100	44	63	M12	1
BT04135	BT40xSLN16- 63	63	48	63	M14	1
BT04140	BT40xSLN16- 75	75	48	63	M14	1
BT04145	BT40xSLN16- 100	100	48	63	M14	1
BT04150	BT40xSLN16- 150	150	48	63	M14	1
BT04155	BT40xSLN18- 63	63	50	63	M14	1
BT04160	BT40xSLN18- 75	75	50	63	M14	1
BT04165	BT40xSLN18- 100	100	50	63	M14	1
BT04170	BT40xSLN20- 63	63	52	63	M16	1
BT04175	BT40xSLN20- 75	75	52	63	M16	1
BT04180	BT40xSLN20- 90	90	52	63	M16	1
BT04181	BT40xSLN20- 150	150	52	63	M16	1
BT04185	BT40xSLN25- 75	75	65	63	M18	2
BT04190	BT40xSLN25- 90	90	65	63	M18	2
BT04200	BT40xSLN32- 100	100	72	63	M20	2
BT04205	BT40xSLN40- 105	105	90	63	M20	2
BT04210	BT40xSLN42- 105	105	90	63	M20	2

\*Custom-built products are available on request.

## BT SIDE LOCK END MILL HOLDER

### BT 側固式立銑刀把

BT Shank JIS B 6339(MAS 403 BT) with Side Lock End Mill 1835B

#### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

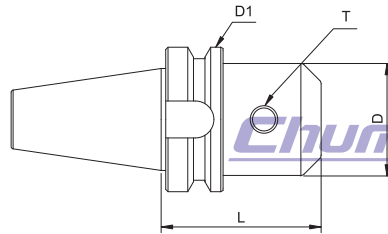


FIG. 1

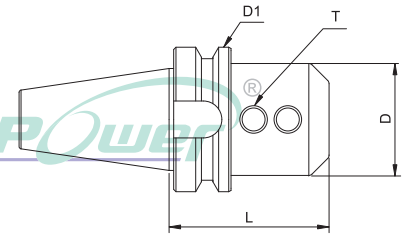


FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
BT04215	BT50xSLN6- 63	63	25	100	M6	1
BT04220	BT50xSLN6- 105	105	25	100	M6	1
BT04225	BT50xSLN8- 63	63	28	100	M8	1
BT04230	BT50xSLN8- 105	105	28	100	M8	1
BT04235	BT50xSLN10- 65	65	35	100	M10	1
BT04240	BT50xSLN10- 105	105	35	100	M10	1
BT04245	BT50xSLN12- 80	80	42	100	M12	1
BT04250	BT50xSLN12- 105	105	42	100	M12	1
BT04255	BT50xSLN14- 105	105	44	100	M12	1
BT04260	BT50xSLN16- 80	80	48	100	M14	1
BT04265	BT50xSLN16- 100	100	48	100	M14	1
BT04270	BT50xSLN18- 105	105	50	100	M14	1
BT04275	BT50xSLN20- 80	80	52	100	M16	1
BT04280	BT50xSLN20- 100	100	52	100	M16	1
BT04285	BT50xSLN20- 150	150	52	100	M16	1
BT04295	BT50xSLN25- 100	100	65	100	M18	2
BT04305	BT50xSLN25- 150	150	65	100	M18	2
BT04320	BT50xSLN32- 105	105	72	100	M20	2
BT04325	BT50xSLN32- 150	150	72	100	M20	2
BT04340	BT50xSLN40- 105	105	90	100	M20	2
BT04370	BT50xSLN40- 120	120	90	100	M20	2
BT04350	BT50xSLN42- 105	105	90	100	M20	2
BT04355	BT50xSLN42- 120	120	90	100	M20	2
BT04360	BT50xSLN42- 150	150	90	100	M20	2
BT04375	BT50xSLN50- 120	120	100	100	M24	2
BT04380	BT50xSLN63- 135	135	125	100	M24	2
BT04385	BT50xSLN50.8- 105	105	95	100	M24	2
BT04390	BT50xSLN50.8- 120	120	95	100	M24	2
BT04395	BT50xSLN50.8- 150	150	95	100	M24	2

\*Custom-built products are available on request.

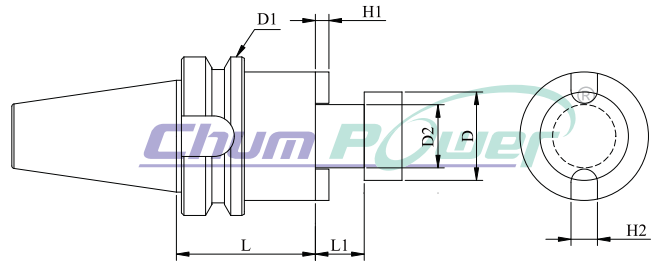
## BT FACE MILL HOLDER

BT 面銑式立銑刀把

BT Shank JIS B 6339(MAS 403 BT) with Face Mill DIN 6357

### APPLICATION:

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2
BT06005	BT30xFMA25.4- 45	45	20	35	46	25.4	4.52	9.52
BT06010	BT30xFMA25.4- 60	60	20	35	46	25.4	4.52	9.52
BT06015	BT30xFMA31.75- 45	45	22	41	46	31.75	6.7	12.7
BT06020	BT40xFMA25.4- 45	45	20	35	63	25.4	4.52	9.52
BT06025	BT40xFMA25.4- 60	60	20	35	63	25.4	4.52	9.52
BT06030	BT40xFMA25.4- 90	90	20	35	63	25.4	4.52	9.52
BT06035	BT40xFMA25.4- 105	105	20	35	63	25.4	4.52	9.52
BT06040	BT40xFMA31.75- 45	45	22	41	63	31.75	6.7	12.7
BT06045	BT40xFMA31.75- 75	75	22	41	63	31.75	6.7	12.7
BT06050	BT40xFMA31.75- 90	90	22	41	63	31.75	6.7	12.7
BT06055	BT40xFMA38.10- 90	90	25	44.5	63	38.10	8.87	15.87
BT06060	BT40xFMA50.80- 60	60	36	68	63	50.80	9.75	19.05
BT06065	BT50xFMA25.4- 45	45	20	35	100	25.4	4.52	9.52
BT06070	BT50xFMA25.4- 75	75	20	35	100	25.4	4.52	9.52
BT06075	BT50xFMA25.4- 150	150	20	35	100	25.4	4.52	9.52
BT06080	BT50xFMA31.75- 45	45	22	41	100	31.75	6.7	12.7
BT06085	BT50xFMA31.75- 75	75	22	41	100	31.75	6.7	12.7
BT06090	BT50xFMA31.75- 105	105	22	41	100	31.75	6.7	12.7
BT06095	BT50xFMA38.10- 45	45	25	44.5	100	38.10	8.87	15.87
BT06100	BT50xFMA38.10- 75	75	25	44.5	100	38.10	8.87	15.87
BT06105	BT50xFMA50.80- 45	45	36	68	100	50.80	9.75	19.05
BT06110	BT50xFMA50.80- 75	75	36	68	100	50.80	9.75	19.05
BT06115	BT50xFMA47.62- 75	75	32	-	100	47.62	12.5	25.4

\*Custom-built products are available on request.

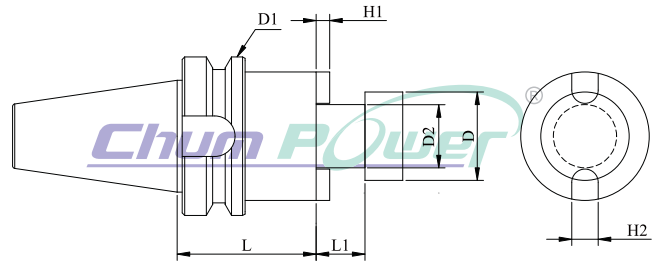
## BT FACE MILL HOLDER

BT 面銑式立銑刀把

BT Shank JIS B 6339(MAS 403 BT) with Face Mill DIN 6357

### APPLICATION:

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2
BT06120	BT30xFMB22- 45	45	18	26	46	22	4.8	10
BT06125	BT30xFMB22- 60	60	18	26	46	22	4.8	10
BT06130	BT30xFMB27- 45	45	20	31.5	46	27	5.8	12
BT06135	BT30xFMB27- 60	60	20	31.5	46	27	5.8	12
BT06140	BT30xFMB32- 45	45	22	41	46	32	6.8	14
BT06145	BT40xFMB22- 45	45	18	26	63	22	4.8	10
BT06150	BT40xFMB22- 60	60	18	26	63	22	4.8	10
BT06155	BT40xFMB22- 100	100	18	26	63	22	4.8	10
BT06160	BT40xFMB27- 45	45	20	31.5	63	27	5.8	12
BT06165	BT40xFMB27- 60	60	20	31.5	63	27	5.8	12
BT06170	BT40xFMB27- 90	90	20	31.5	63	27	5.8	12
BT06175	BT40xFMB27- 105	105	20	31.5	63	27	5.8	12
BT06180	BT40xFMB32- 45	45	22	41	63	32	6.8	14
BT06185	BT40xFMB32- 60	60	22	41	63	32	6.8	14
BT06190	BT40xFMB40- 60	60	25	48	63	40	8.3	16
BT06197	BT50xFMB22- 60	60	18	26	100	22	4.8	10
BT06200	BT50xFMB22- 75	75	18	26	100	22	4.8	10
BT06205	BT50xFMB22- 150	150	18	26	100	22	4.8	10
BT06220	BT50xFMB27- 60	60	20	31.5	100	27	5.8	12
BT06225	BT50xFMB27- 100	100	20	31.5	100	27	5.8	12
BT06230	BT50xFMB27- 150	150	20	31.5	100	27	5.8	12
BT06245	BT50xFMB32- 60	60	22	41	100	32	6.8	14
BT06250	BT50xFMB32- 105	105	22	41	100	32	6.8	14
BT06255	BT50xFMB40- 60	60	25	48	100	40	8.3	16
BT06260	BT50xFMB40- 90	90	25	48	100	40	8.3	16
BT06265	BT50xFMB40- 105	105	25	48	100	40	8.3	16
BT06270	BT50xFS40F- 75	75	26	-	100	40	8.3	16
BT06275	BT50xFS60F- 75	75	25	-	100	60	12.5	25.4

\*Custom-built products are available on request.

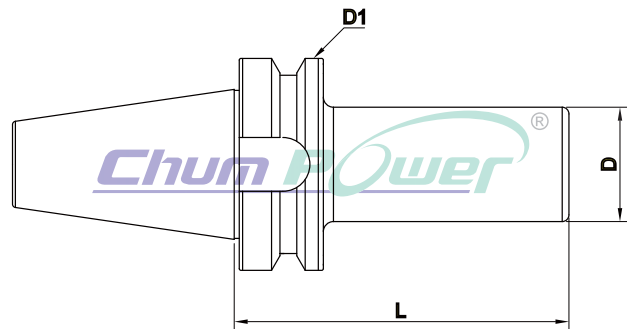
## BT SLIM-FIT COLLET CHUCKS

BT 後拉式立銑刀把

BT Shank JIS B 6339(MAS 403 BT)

**APPLICATION:**

- Slim-Fit collet chuck is clamped by Slim-Fit collet, it is applied for high-speed and high precision machining.
- 後拉式刀把採用後拉式筒夾夾持, 適用於高速精密之加工



Code NO. 型號	TYPE 規格	L	D	D1
BT05005	BT30xSBL6-70	70	14	46
BT05010	BT30xSBL6-100	100	14	46
BT05015	BT30xSBL12-70	70	26	46
BT05020	BT30xSBL12-100	100	26	46
BT05025	BT30xSBL20-85	85	35	46
BT05030	BT30xSBL20-100	100	35	46
BT05035	BT40xSBL6-70	70	14	63
BT05040	BT40xSBL6-100	100	14	63
BT05045	BT40xSBL12-70	70	26	63
BT05050	BT40xSBL12-100	100	26	63
BT05055	BT40xSBL20-75	75	35	63
BT05060	BT50xSBL6-70	70	14	100
BT05065	BT50xSBL6-100	100	14	100
BT05070	BT50xSBL12-70	70	26	100
BT05075	BT50xSBL12-100	100	26	100
BT05080	BT50xSBL20-70	70	35	100
BT05085	BT50xSBL20-100	100	35	100

\*Custom-built products are available on request.

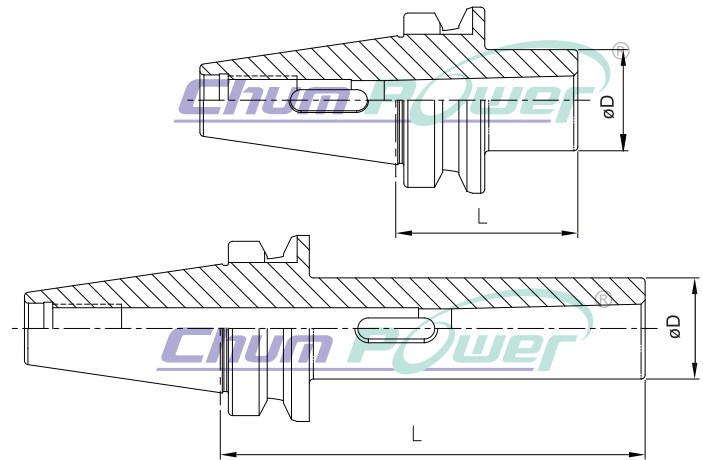


## BT MORSE TAPER HOLDER

BT 莫式錐度刀把



BT-MTA



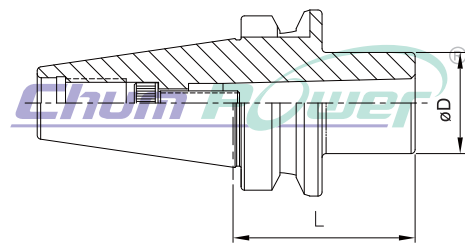
Code NO. 型號	TYPE 規格	L	ØD
BT10030	BT40-MTA1-45	45	25
BT10040	BT40-MTA2-50	50	32
BT10050	BT40-MTA3-70	70	40
BT10060	BT40-MTA4-95	95	50
BT10070	BT50-MTA1-45	45	25
BT10085	BT50-MTA2-60	60	32
BT10105	BT50-MTA3-65	65	40
BT10120	BT50-MTA4-95	95	50

## BT MORSE TAPER HOLDER

BT 莫式錐度刀把



BT-MTB



Code NO. 型號	TYPE 規格	L	ØD
BT10510	BT30-MTB1-45	45	25
BT10520	BT30-MTB2-60	60	32
BT10530	BT40-MTB1-45	45	25
BT10540	BT40-MTB2-45	45	32
BT10550	BT40-MTB3-70	70	40
BT10560	BT40-MTB4-90	90	48
BT10570	BT50-MTB1-45	45	25
BT10580	BT50-MTB2-45	45	32
BT10590	BT50-MTB3-60	60	40
BT10600	BT50-MTB4-75	75	50
BT10610	BT50-MTB5-120	120	70

## NT (ISO) CHU CNC DRILL CHUCKS

### NT(ISO) 直結式鑽夾頭

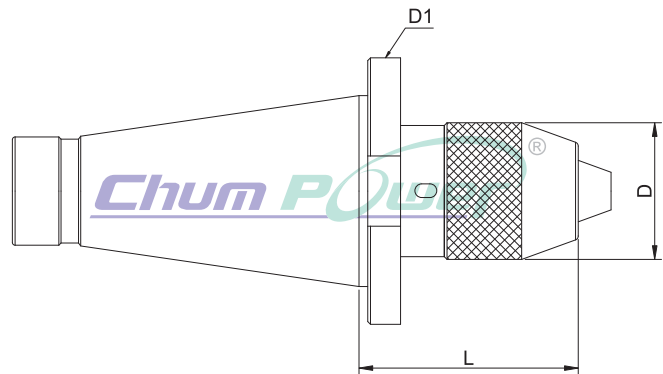
NT Shank DIN 2080

#### APPLICATION:

- The product can be adapted for the general lathe or the drilling processing whose machines center can supply with NT spindle.
- 適用於傳統銑床或其他提供NT主軸介面之工作母機作鑽孔加工。

#### FEATURES:

- 3 times better clamping capacity, comparing to keyed drill chucks.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyed drill chucks.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力
- 鑽頭不會鬆脫或掉落
- 比普通夾頭多出2倍精準
- 可替換式的夾頭



Code NO. 型號	TYPE 規格	L	D	D1	Thread Size 螺紋尺寸	Spanner No. 扳手編號
NT01013	NT30xCHU08- 80	80	37	49	1/2"W12	12802
NT01014	NT30xCHU08- 80	80	37	49	M12x1.75P	12802
NT01015	NT30xCHU08- 80	80	37	49	1/2"UNC13	12802
NT01028	NT30xCHU13- 100	100	50	49	1/2"W12	12806
NT01029	NT30xCHU13- 100	100	50	49	M12x1.75P	12806
NT01030	NT30xCHU13- 100	100	50	49	1/2"UNC13	12806
NT01039	NT40xCHU08- 80	80	37	63	5/8"W11	12802
NT01040	NT40xCHU08- 80	80	37	63	M16x2.0P	12802
NT01049	NT40xCHU13- 95	95	50	63	5/8"W11	12806
NT01050	NT40xCHU13- 95	95	50	63	M16x2.0P	12806
NT01059	NT40xCHU16- 105	105	57	63	5/8"W11	12808
NT01060	NT40xCHU16- 105	105	57	63	M16x2.0P	12808
NT01069	NT50xCHU13- 80	80	50	97.5	1"W8	12806
NT01070	NT50xCHU13- 80	80	50	97.5	M24x3.0P	12806
NT01079	NT50xCHU16- 100	100	57	97.5	1"W8	12808
NT01080	NT50xCHU16- 100	100	57	97.5	M24x3.0P	12808

\*Custom-built products are available on request.

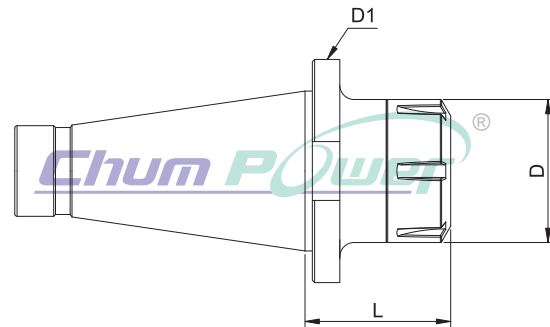
## NT (ISO) ER COLLET CHUCKS

### NT(ISO)刀把 ER立銑式

NT Shank DIN 2080 with Collet Chuck DIN 6499

#### APPLICATION:

- The product can be applied for end mills, drill bits reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀, 鑽頭, 鉸刀, 絲攻及可夾持任何直柄的刀具及工具



Code NO. 型號	TYPE 規格	L	D	D1	Thread Size 螺紋尺寸	Spanner No. 扳手編號
NT02013	NT30xER16- 45	45	28	49	1/2"W12	80072-02
NT02014	NT30xER16- 45	45	28	49	M12x1.75P	80072-02
NT02015	NT30xER16- 45	45	28	49	1/2"UNC13	80072-02
NT02028	NT30xER16- 76	76	28	49	1/2"W12	80072-02
NT02029	NT30xER16- 76	76	28	49	M12x1.75P	80072-02
NT02030	NT30xER16- 76	76	28	49	1/2"UNC13	80072-02
NT02043	NT30xER20- 45	45	34	49	1/2"W12	80072-03
NT02044	NT30xER20- 45	45	34	49	M12x1.75P	80072-03
NT02045	NT30xER20- 45	45	34	49	1/2"UNC13	80072-03
NT02058	NT30xER25- 55	55	42	49	1/2"W12	80072-04
NT02059	NT30xER25- 55	55	42	49	M12x1.75P	80072-04
NT02060	NT30xER25- 55	55	42	49	1/2"UNC13	80072-04
NT02088	NT30xER32- 60	60	50	49	1/2"W12	80072-05
NT02089	NT30xER32- 60	60	50	49	M12x1.75P	80072-05
NT02090	NT30xER32- 60	60	50	49	1/2"UNC13	80072-05
NT02103	NT30xER40- 75	75	63	49	1/2"W12	80072-06
NT02104	NT30xER40- 75	75	63	49	M12x1.75P	80072-06
NT02105	NT30xER40- 75	75	63	49	1/2"UNC13	80072-06
NT02118	NT30xER40- 85	85	63	49	1/2"W12	80072-06
NT02119	NT30xER40- 85	85	63	49	M12x1.75P	80072-06
NT02120	NT30xER40- 85	85	63	49	1/2"UNC13	80072-06

\*Custom-built products are available on request.



# TOOLING SYSTEM

## NT (ISO) ER COLLET CHUCKS

### NT(ISO)刀把 ER立銑式

NT Shank DIN 2080 with Collet Chuck DIN 6499

#### APPLICATION:

- The product can be applied for end mills, drill bits reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀,鑽頭,絞刀,絲攻及可夾持任何直柄的刀具及工具

Code NO. 型號	TYPE 規格	L	D	D1	Thread Size 螺紋尺寸	Spanner No. 扳手編號
NT02131	NT40xER16- 45	45	28	63	5/8"W11	80072-02
NT02132	NT40xER16- 45	45	28	63	M16x2.0P	80072-02
NT02141	NT40xER16- 76	76	28	63	5/8"W11	80072-02
NT02142	NT40xER16- 76	76	28	63	M16x2.0P	80072-02
NT02151	NT40xER16- 100	100	28	63	5/8"W11	80072-02
NT02152	NT40xER16- 100	100	28	63	M16x2.0P	80072-02
NT02161	NT40xER20- 45	45	34	63	5/8"W11	80072-03
NT02162	NT40xER20- 45	45	34	63	M16x2.0P	80072-03
NT02171	NT40xER20- 76	76	34	63	5/8"W11	80072-03
NT02172	NT40xER20- 76	76	34	63	M16x2.0P	80072-03
NT02181	NT40xER20- 100	100	34	63	5/8"W11	80072-03
NT02182	NT40xER20- 100	100	34	63	M16x2.0P	80072-03
NT02191	NT40xER25- 50	50	42	63	5/8"W11	80072-04
NT02192	NT40xER25- 50	50	42	63	M16x2.0P	80072-04
NT02201	NT40xER32- 50	50	42	63	5/8"W11	80072-05
NT02202	NT40xER32- 50	50	42	63	M16x2.0P	80072-05
NT02211	NT40xER32- 60	60	50	63	5/8"W11	80072-05
NT02212	NT40xER32- 60	60	50	63	M16x2.0P	80072-05
NT02221	NT40xER40- 60	60	50	63	5/8"W11	80072-06
NT02222	NT40xER40- 60	60	50	63	M16x2.0P	80072-06
NT02231	NT40xER40- 70	70	63	63	5/8"W11	80072-06
NT02232	NT40xER40- 70	70	63	63	M16x2.0P	80072-06
NT02241	NT40xER50- 80	80	78	63	5/8"W11	80072-07
NT02242	NT40xER50- 80	80	78	63	M16x2.0P	80072-07
NT02251	NT50xER16- 100	100	78	97.5	1"W8	80072-02
NT02252	NT50xER16- 100	100	78	97.5	M24x3.0P	80072-02
NT02261	NT50xER16- 150	150	78	97.5	1"W8	80072-02
NT02262	NT50xER16- 150	150	78	97.5	M24x3.0P	80072-02
NT02271	NT50xER20- 100	100	78	97.5	1"W8	80072-03
NT02272	NT50xER20- 100	100	78	97.5	M24x3.0P	80072-03
NT02281	NT50xER20- 150	150	78	97.5	1"W8	80072-03
NT02282	NT50xER20- 150	150	78	97.5	M24x3.0P	80072-03
NT02291	NT50xER32- 60	60	78	97.5	1"W8	80072-05
NT02292	NT50xER32- 60	60	50	97.5	M24x3.0P	80072-05
NT02301	NT50xER32- 75	75	50	97.5	1"W8	80072-05
NT02302	NT50xER32- 75	75	50	97.5	M24x3.0P	80072-05
NT02311	NT50xER40- 65	65	50	97.5	1"W8	80072-06
NT02312	NT50xER40- 65	65	63	97.5	M24x3.0P	80072-06
NT02321	NT50xER40- 80	80	63	97.5	1"W8	80072-06
NT02322	NT50xER40- 80	80	78	97.5	M24x3.0P	80072-06
NT02331	NT50xER50- 65	65	78	97.5	1"W8	80072-07
NT02332	NT50xER50- 65	65	78	97.5	M24x3.0P	80072-07

\*Custom-built products are available on request.



## NT (ISO) MILLING CHUCKS

### NT(ISO) 強力式立銑刀把

NT Shank DIN 2080

#### FEATURES:

- It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- High rigidity ■ High precision

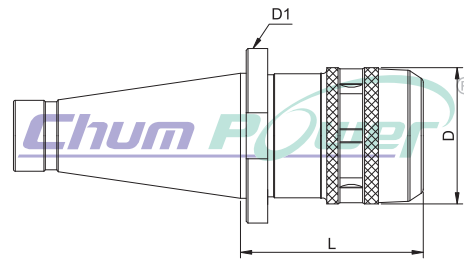
#### APPLICATION:

- The Milling chuck can be applied for heavy-duty & higher accuracy cutting.

#### 特性

- 內部滾針設計，可減少鎖緊時之摩擦阻力及零件磨耗。
- 防塵設計減少鐵屑掉入以延長使用壽命。
- 高夾持力，防止刀具於加工時滑脫，增加刀具壽命
- 剛性
- 高精度

- 此強力銑刀把適用重型及高精密切削



Code NO. 型號	TYPE 規格	L	D	D1	Thread Size 螺紋尺寸	Spanner No. 扳手編號
RR03010	R8xC20- 62.5	62.5	52	49	7/16"-NF20	80200-05
NT03004	NT30xC20- 70	70	52	49	1/2"W12	80200-05
NT03005	NT30xC20- 70	70	52	49	M12x1.75P	80200-05
NT03006	NT30xC20- 70	70	52	49	1/2"UNC13	80200-05
NT03013	NT30xC25- 80	80	60	49	1/2"W12	80200-10
NT03014	NT30xC25- 80	80	60	49	M12x1.75P	80200-10
NT03015	NT30xC25- 80	80	60	49	1/2"UNC13	80200-10
NT03025	NT30xC32- 85	85	69	49	1/2"W12	80200-15
NT03026	NT30xC32- 85	85	69	49	M12x1.75P	80200-15
NT03027	NT30xC32- 85	85	69	49	1/2"UNC13	80200-15
NT03037	NT40xC20- 70	70	52	63	5/8"W11	80200-05
NT03038	NT40xC20- 70	70	52	63	M16x2.0P	80200-05
NT03047	NT40xC25- 85	85	60	63	5/8"W11	80200-10
NT03048	NT40xC25- 85	85	60	63	M16x2.0P	80200-10
NT03057	NT40xC25- 130	130	60	63	5/8"W11	80200-10
NT03058	NT40xC25- 130	130	60	63	M16x2.0P	80200-10
NT03067	NT40xC32- 80	80	69	63	5/8"W11	80200-15
NT03068	NT40xC32- 80	80	69	63	M16x2.0P	80200-15
NT03077	NT40xC32- 95	95	69	63	5/8"W11	80200-15
NT03078	NT40xC32- 95	95	69	63	M16x2.0P	80200-15
NT03087	NT40xC32- 130	130	69	63	5/8"W11	80200-15
NT03088	NT40xC32- 130	130	69	63	M16x2.0P	80200-15
NT03097	NT50xC25- 85	85	60	97.5	1"W8	80200-10
NT03098	NT50xC25- 85	85	60	97.5	M24x3.0P	80200-10
NT03107	NT50xC25- 150	150	60	97.5	1"W8	80200-10
NT03108	NT50xC25- 150	150	60	97.5	M24x3.0P	80200-10
NT03127	NT50xC32- 100	100	69	97.5	1"W8	80200-15
NT03128	NT50xC32- 100	100	69	97.5	M24x3.0P	80200-15
NT03137	NT50xC32- 150	150	69	97.5	1"W8	80200-15
NT03138	NT50xC32- 150	150	69	97.5	M24x3.0P	80200-15
NT03147	NT50xC42- 90	90	86	97.5	1"W8	80200-20
NT03148	NT50xC42- 90	90	86	97.5	M24x3.0P	80200-20
NT03157	NT50xC42- 110	110	86	97.5	1"W8	80200-20
NT03158	NT50xC42- 110	110	86	97.5	M24x3.0P	80200-20
NT03167	NT50xC42- 150	150	86	97.5	1"W8	80200-20
NT03168	NT50xC42- 150	150	86	97.5	M24x3.0P	80200-20

\*Custom-built products are available on request.



## NT (ISO) SIDE LOCK END MILL HOLDER

NT(ISO)側固式立銑刀把

NT Shank DIN 2080 with Side Lock End Mill DIN 1835B

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

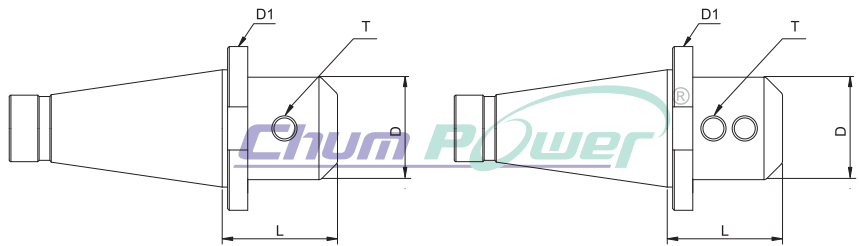


FIG. 1

FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	Thread Size 螺紋尺寸	FIG. 圖
NT04007	NT30xSLN6- 40	40	25	49	M6	1/2"W12	1
NT04008	NT30xSLN6- 40	40	25	49	M6	M12x1.75P	1
NT04009	NT30xSLN6- 40	40	25	49	M6	1/2"UNC13	1
NT04010	NT30xSLN6- 55	55	25	49	M6	1/2"W12	1
NT04011	NT30xSLN6- 55	55	25	49	M6	M12x1.75P	1
NT04012	NT30xSLN6- 55	55	25	49	M6	1/2"UNC13	1
NT04022	NT30xSLN8- 40	40	28	49	M8	1/2"W12	1
NT04023	NT30xSLN8- 40	40	28	49	M8	M12x1.75P	1
NT04024	NT30xSLN8- 40	40	28	49	M8	1/2"UNC13	1
NT04025	NT30xSLN8- 55	55	28	49	M8	1/2"W12	1
NT04026	NT30xSLN8- 55	55	28	49	M8	M12x1.75P	1
NT04027	NT30xSLN8- 55	55	28	49	M8	1/2"UNC13	1
NT04037	NT30xSLN10- 40	40	35	49	M10	1/2"W12	1
NT04038	NT30xSLN10- 40	40	35	49	M10	M12x1.75P	1
NT04039	NT30xSLN10- 40	40	35	49	M10	1/2"UNC13	1
NT04040	NT30xSLN10- 55	55	35	49	M10	1/2"W12	1
NT04041	NT30xSLN10- 55	55	35	49	M10	M12x1.75P	1
NT04042	NT30xSLN10- 55	55	35	49	M10	1/2"UNC13	1
NT04052	NT30xSLN12- 45	45	42	49	M12	1/2"W12	1
NT04053	NT30xSLN12- 45	45	42	49	M12	M12x1.75P	1
NT04054	NT30xSLN12- 45	45	42	49	M12	1/2"UNC13	1
NT04055	NT30xSLN12- 55	55	42	49	M12	1/2"W12	1
NT04056	NT30xSLN12- 55	55	42	49	M12	M12x1.75P	1
NT04057	NT30xSLN12- 55	55	42	49	M12	1/2"UNC13	1
NT04067	NT30xSLN16- 50	50	48	49	M14	1/2"W12	1
NT04068	NT30xSLN16- 50	50	48	49	M14	M12x1.75P	1
NT04069	NT30xSLN16- 50	50	48	49	M14	1/2"UNC13	1
NT04070	NT30xSLN16- 60	60	48	49	M14	1/2"W12	1
NT04071	NT30xSLN16- 60	60	48	49	M14	M12x1.75P	1
NT04072	NT30xSLN16- 60	60	48	49	M14	1/2"UNC13	1
NT04082	NT30xSLN20- 63	63	52	49	M16	1/2"W12	1
NT04083	NT30xSLN20- 63	63	52	49	M16	M12x1.75P	1
NT04084	NT30xSLN20- 63	63	52	49	M16	1/2"UNC13	1
NT04097	NT30xSLN25- 80	80	65	49	M18	1/2"W12	2
NT04098	NT30xSLN25- 80	80	65	49	M18	M12x1.75P	2
NT04099	NT30xSLN25- 80	80	65	49	M18	1/2"UNC13	2

\*Custom-built products are available on request.

## NT (ISO) SIDE LOCK END MILL HOLDER

### NT(ISO) 側固式立銑刀把

NT Shank DIN 2080 with Side Lock End Mill DIN 1835B

#### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

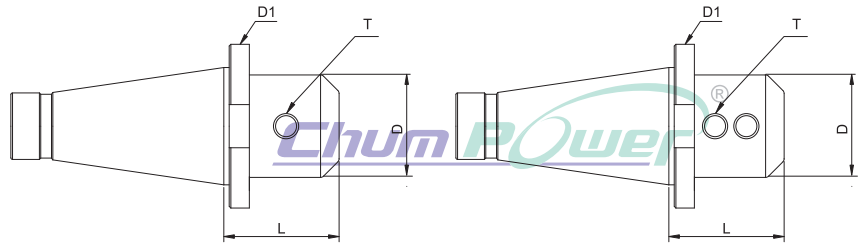


FIG. 1

FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	Thread Size 螺紋尺寸	FIG. 圖
NT04114	NT40xSLN6- 50	50	25	63	M6	5/8"W11	1
NT04115	NT40xSLN6- 50	50	25	63	M6	M16x2.0P	1
NT04124	NT40xSLN8- 50	50	28	63	M8	5/8"W11	1
NT04125	NT40xSLN8- 50	50	28	63	M8	M16x2.0P	1
NT04134	NT40xSLN10- 50	50	35	63	M10	5/8"W11	1
NT04135	NT40xSLN10- 50	50	35	63	M10	M16x2.0P	1
NT04144	NT40xSLN12- 50	50	42	63	M12	5/8"W11	1
NT04145	NT40xSLN12- 50	50	42	63	M12	M16x2.0P	1
NT04154	NT40xSLN16- 63	63	48	63	M14	5/8"W11	1
NT04155	NT40xSLN16- 63	63	48	63	M14	M16x2.0P	1
NT04164	NT40xSLN20- 63	63	52	63	M16	5/8"W11	1
NT04165	NT40xSLN20- 63	63	52	63	M16	M16x2.0P	1
NT04174	NT40xSLN25- 80	80	65	63	M18	5/8"W11	2
NT04175	NT40xSLN25- 80	80	65	63	M18	M16x2.0P	2
NT04184	NT40xSLN32- 80	80	72	63	M20	5/8"W11	2
NT04185	NT40xSLN32- 80	80	72	63	M20	M16x2.0P	2
NT04186	NT40xSLN32- 90	90	72	63	M20	5/8"W11	2
NT04187	NT40xSLN32- 90	90	72	63	M20	M16x2.0P	2
NT04190	NT40xSLN42- 105	105	90	63	M20	5/8"W11	2
NT04191	NT40xSLN42- 105	105	90	63	M20	M16x2.0P	2

\*Custom-built products are available on request.

## NT (ISO) SIDE LOCK END MILL HOLDER

NT(ISO) 側固式立銑刀把

NT Shank DIN 2080 with Side Lock End Mill DIN 1835B

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

Code NO. 型號	TYPE 規格	L	D	D1	T	Thread Size 螺紋尺寸	FIG. 圖
NT04194	NT50xSLN6- 63	63	25	97.5	M6	1"W8	1
NT04195	NT50xSLN6- 63	63	25	97.5	M6	M24x3.0P	1
NT04198	NT50xSLN6- 90	90	25	97.5	M6	1"W8	1
NT04199	NT50xSLN6- 90	90	25	97.5	M6	M24x3.0P	1
NT04204	NT50xSLN8- 63	63	28	97.5	M8	1"W8	1
NT04205	NT50xSLN8- 63	63	28	97.5	M8	M24x3.0P	1
NT04206	NT50xSLN8- 90	90	28	97.5	M8	1"W8	1
NT04207	NT50xSLN8- 90	90	28	97.5	M8	M24x3.0P	1
NT04214	NT50xSLN10- 63	63	35	97.5	M10	1"W8	1
NT04215	NT50xSLN10- 63	63	35	97.5	M10	M24x3.0P	1
NT04216	NT50xSLN10- 90	90	35	97.5	M10	1"W8	1
NT04217	NT50xSLN10- 90	90	35	97.5	M10	M24x3.0P	1
NT04220	NT50xSLN12- 90	90	42	97.5	M12	1"W8	1
NT04221	NT50xSLN12- 90	90	42	97.5	M12	M24x3.0P	1
NT04224	NT50xSLN16- 60	60	48	97.5	M14	1"W8	1
NT04225	NT50xSLN16- 60	60	48	97.5	M14	M24x3.0P	1
NT04226	NT50xSLN16- 90	90	48	97.5	M14	1"W8	1
NT04227	NT50xSLN16- 90	90	48	97.5	M14	M24x3.0P	1
NT04234	NT50xSLN20- 65	65	52	97.5	M16	1"W8	1
NT04235	NT50xSLN20- 65	65	52	97.5	M16	M24x3.0P	1
NT04240	NT50xSLN20- 90	90	52	97.5	M16	1"W8	1
NT04241	NT50xSLN20- 90	90	52	97.5	M16	M24x3.0P	1
NT04246	NT50xSLN20- 150	150	52	97.5	M16	1"W8	1
NT04247	NT50xSLN20- 150	150	52	97.5	M16	M24x3.0P	1
NT04252	NT50xSLN25- 75	75	65	97.5	M18	1"W8	2
NT04253	NT50xSLN25- 75	75	65	97.5	M18	M24x3.0P	2
NT04258	NT50xSLN25- 90	90	65	97.5	M18	1"W8	2
NT04259	NT50xSLN25- 90	90	65	97.5	M18	M24x3.0P	2
NT04264	NT50xSLN25- 150	150	65	97.5	M18	1"W8	2
NT04265	NT50xSLN25- 150	150	65	97.5	M18	M24x3.0P	2
NT04270	NT50xSLN32- 80	80	72	97.5	M20	1"W8	2
NT04271	NT50xSLN32- 80	80	72	97.5	M20	M24x3.0P	2
NT04276	NT50xSLN32- 90	90	72	97.5	M20	1"W8	2
NT04277	NT50xSLN32- 90	90	72	97.5	M20	M24x3.0P	2
NT04282	NT50xSLN32- 150	150	72	97.5	M20	1"W8	2
NT04283	NT50xSLN32- 150	150	72	97.5	M20	M24x3.0P	2
NT04294	NT50xSLN40- 100	100	90	97.5	M20	1"W8	2
NT04295	NT50xSLN40- 100	100	90	97.5	M20	M24x3.0P	2
NT04300	NT50xSLN42- 100	100	90	97.5	M20	1"W8	2
NT04301	NT50xSLN42- 100	100	90	97.5	M20	M24x3.0P	2
NT04312	NT50xSLN40- 120	120	90	97.5	M20	1"W8	2
NT04313	NT50xSLN40- 120	120	90	97.5	M20	M24x3.0P	2
NT04318	NT50xSLN50- 120	120	100	97.5	M24	1"W8	2
NT04319	NT50xSLN50- 120	120	100	97.5	M24	M24x3.0P	2
NT04324	NT50xSLN63- 120	120	125	97.5	M24	1"W8	2
NT04325	NT50xSLN63- 120	120	125	97.5	M24	M24x3.0P	2
NT04330	NT50xSLN50.8- 105	105	95	97.5	M24	1"W8	2
NT04331	NT50xSLN50.8- 105	105	95	97.5	M24	M24x3.0P	2
NT04336	NT50xSLN50.8- 120	120	95	97.5	M24	1"W8	2
NT04337	NT50xSLN50.8- 120	120	95	97.5	M24	M24x3.0P	2

\*Custom-built products are available on request.

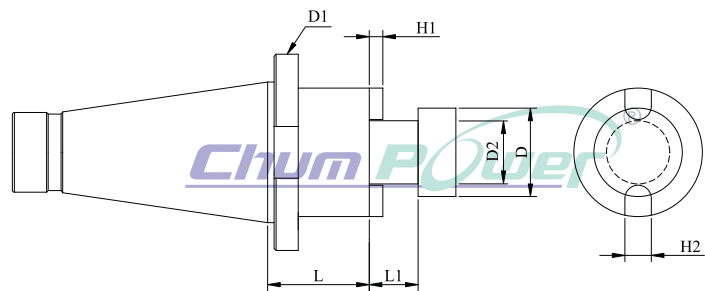
## NT (ISO) FACE MILL HOLDER

### NT(ISO) 面銑式立銑刀把

NT Shank DIN 2080 with Face Mill DIN 6357

#### APPLICATION:

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2	Thread Size 螺紋尺寸
NT06007	NT30xFMA25.40- 35	35	20	35	49	25.40	4.52	9.52	1/2"W12
NT06008	NT30xFMA25.40- 35	35	20	35	49	25.40	4.52	9.52	M12x1.75P
NT06009	NT30xFMA25.40- 35	35	20	35	49	25.40	4.52	9.52	1/2"UNC13
NT06016	NT30xFMA31.75- 35	35	22	41	49	31.75	6.7	12.7	1/2"W12
NT06017	NT30xFMA31.75- 35	35	22	41	49	31.75	6.7	12.7	M12x1.75P
NT06018	NT30xFMA31.75- 35	35	22	41	49	31.75	6.7	12.7	1/2"UNC13
NT06025	NT30xFMA38.10- 35	35	25	44.5	49	38.10	8.87	15.87	1/2"W12
NT06026	NT30xFMA38.10- 35	35	25	44.5	49	38.10	8.87	15.87	M12x1.75P
NT06027	NT30xFMA38.10- 35	35	25	44.5	49	38.10	8.87	15.87	1/2"UNC13
NT06036	NT40xFMA25.40- 35	35	20	35	63	25.40	4.52	9.52	5/8"W11
NT06037	NT40xFMA25.40- 35	35	20	35	63	25.40	4.52	9.52	M16x2.0P
NT06042	NT40xFMA31.75- 35	35	22	41	63	31.75	6.7	12.7	5/8"W11
NT06043	NT40xFMA31.75- 35	35	22	41	63	31.75	6.7	12.7	M16x2.0P
NT06048	NT40xFMA38.10- 35	35	25	44.5	63	38.10	8.87	15.87	5/8"W11
NT06049	NT40xFMA38.10- 35	35	25	44.5	63	38.10	8.87	15.87	M16x2.0P
NT06054	NT40xFMA50.80- 45	45	36	68	63	50.80	9.75	19.05	5/8"W11
NT06055	NT40xFMA50.80- 45	45	36	68	63	50.80	9.75	19.05	M16x2.0P
NT06060	NT40xFMA47.62- 45	45	32	-	63	47.62	12.5	25.4	5/8"W11
NT06061	NT40xFMA47.62- 45	45	32	-	63	47.62	12.5	25.4	M16x2.0P
NT06066	NT50xFMA25.40- 45	45	20	35	97.5	25.40	4.52	9.52	1"W8
NT06067	NT50xFMA25.40- 45	45	20	35	97.5	25.40	4.52	9.52	M24x3.0P
NT06072	NT50xFMA31.75- 45	45	22	41	97.5	31.75	6.7	12.7	1"W8
NT06073	NT50xFMA31.75- 45	45	22	41	97.5	31.75	6.7	12.7	M24x3.0P
NT06078	NT50xFMA38.10- 45	45	25	44.5	97.5	38.10	8.87	15.87	1"W8
NT06079	NT50xFMA38.10- 45	45	25	44.5	97.5	38.10	8.87	15.87	M24x3.0P
NT06084	NT50xFMA50.80- 45	45	36	68	97.5	50.80	9.75	19.05	1"W8
NT06085	NT50xFMA50.80- 45	45	36	68	97.5	50.80	9.75	19.05	M24x3.0P
NT06090	NT50xFMA47.62- 45	46	32	-	97.5	47.62	12.5	25.4	1"W8
NT06091	NT50xFMA47.62- 45	45	32	-	97.5	47.62	12.5	25.4	M24x3.0P

\*Custom-built products are available on request.

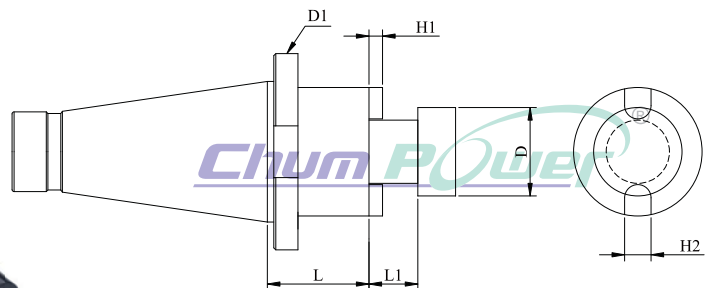
## NT (ISO) FACE MILL HOLDER

### NT(ISO) 面銑式立銑刀把

NT Shank DIN 2080 with Face Mill DIN 6357

#### APPLICATION:

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2	Thread Size 螺紋尺寸
NT06507	NT30xFMB22mm- 35	35	18	26	49	22	4.8	10	1/2"W12
NT06508	NT30xFMB22mm- 35	35	18	26	49	22	4.8	10	M12x1.75P
NT06509	NT30xFMB22mm- 35	35	18	26	49	22	4.8	10	1/2"UNC13
NT06516	NT30xFMB27mm- 35	35	20	35	49	27	5.8	12	1/2"W12
NT06517	NT30xFMB27mm- 35	35	20	35	49	27	5.8	12	M12x1.75P
NT06518	NT30xFMB27mm- 35	35	20	35	49	27	5.8	12	1/2"UNC13
NT06525	NT30xFMB32mm- 35	35	22	41	49	32	6.8	14	1/2"W12
NT06526	NT30xFMB32mm- 35	35	22	41	49	32	6.8	14	M12x1.75P
NT06527	NT30xFMB32mm- 35	35	22	41	49	32	6.8	14	1/2"UNC13
NT06537	NT30xFMB40mm- 35	35	25	48	49	40	8.3	16	1/2"W12
NT06538	NT30xFMB40mm- 35	35	25	48	49	40	8.3	16	M12x1.75P
NT06539	NT30xFMB40mm- 35	35	25	48	49	40	8.3	16	1/2"UNC13

NT06548	NT40xFMB22mm- 35	35	18	26	63	22	4.8	10	5/8"W11
NT06549	NT40xFMB22mm- 35	35	18	26	63	22	4.8	10	M16x2.0P
NT06554	NT40xFMB27mm- 35	35	20	35	63	27	5.8	12	5/8"W11
NT06555	NT40xFMB27mm- 35	35	20	35	63	27	5.8	12	M16x2.0P
NT06560	NT40xFMB32mm- 35	35	22	41	63	32	6.8	14	5/8"W11
NT06561	NT40xFMB32mm- 35	35	22	41	63	32	6.8	14	M16x2.0P
NT06566	NT40xFMB40mm- 35	35	25	48	63	40	8.3	16	5/8"W11
NT06567	NT40xFMB40mm- 35	35	25	48	63	40	8.3	16	M16x2.0P

NT06578	NT50xFMB22mm- 35	35	18	26	97.5	22	4.8	10	1"W8
NT06579	NT50xFMB22mm- 35	35	18	26	97.5	22	4.8	10	M24x3.0P
NT06584	NT50xFMB27mm- 35	35	20	35	97.5	27	5.8	12	1"W8
NT06585	NT50xFMB27mm- 35	35	20	35	97.5	27	5.8	12	M24x3.0P
NT06590	NT50xFMB32mm- 35	35	22	41	97.5	32	6.8	14	1"W8
NT06591	NT50xFMB32mm- 35	35	22	41	97.5	32	6.8	14	M24x3.0P
NT06596	NT50xFMB40mm- 35	35	25	48	97.5	40	8.3	16	1"W8
NT06597	NT50xFMB40mm- 35	35	25	48	97.5	40	8.3	16	M24x3.0P

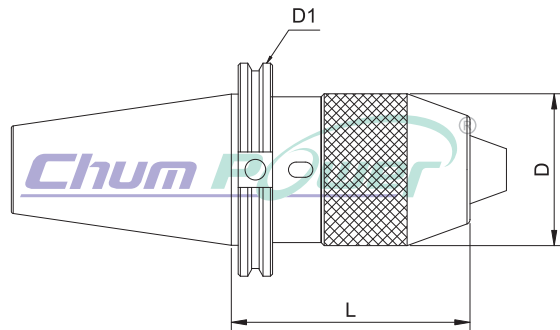
\*Custom-built products are available on request.

## CAT CHU CNC DRILL CHUCKS

CAT 直結式鑽夾頭 CAT Shank ANSI B5.50

**FEATURES:**

- 3 times better clamping capacity, comparing to keyed drill chucks.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyed drill chucks.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力
- 鑽頭不會鬆脫或掉落
- 比普通夾頭多出2倍精準
- 可替換式的夾頭



Code NO. 型號	TYPE 規格	L	D	D1	INCH SIZE 英制 Spanner No. 扳手編號
CT01010	CAT30xCHU 8-3.347	3.347	1.456	1.812	12802
CT01020	CAT40xCHU 8-3.228	3.228	1.456	2.5	12802
CT01030	CAT40xCHU 13-4.527	4.527	1.968	2.5	12806
CT01040	CAT40xCHU 16-4.724	4.724	2.244	2.5	12808
CT01050	CAT50xCHU 13-3.54	3.54	1.968	3.875	12806
CT01060	CAT50xCHU 16-3.7	3.7	2.244	3.875	12808

\*Custom-built products are available on request.

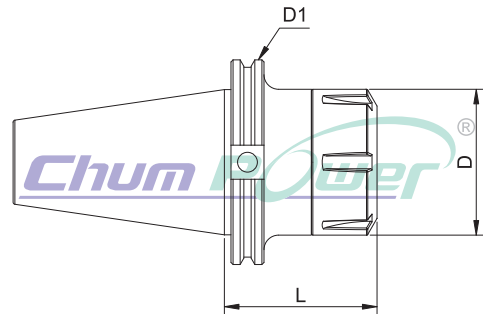
## CAT ER COLLET CHUCKS

CAT刀把 ER立銑式

CAT Shank ANSI B5.50 with Collet Chuck DIN 6499

**APPLICATION:**

- The product can be applied for end mills, drill bits reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀, 鑽頭, 鉸刀, 絲攻及可夾持任何直柄的刀具及工具



E-21

Code NO. 型號	TYPE 規格	L	D	D1	INCH SIZE 英制 Spanner No. 扳手編號
CT02005	CAT40xER16- 2.76	2.76	1.102	2.5	80072-02
CT02010	CAT40xER16- 4	4	1.102	2.5	80072-02
CT02025	CAT40xER20- 2.76	2.76	1.339	2.5	80072-03
CT02030	CAT40xER20- 4	4	1.339	2.5	80072-03
CT02040	CAT40xER25- 2.76	2.76	1.645	2.5	80072-04
CT02045	CAT40xER25- 4	4	1.645	2.5	80072-04
CT02060	CAT40xER32- 2.76	2.76	1.969	2.5	80072-05
CT02065	CAT40xER32- 4	4	1.969	2.5	80072-05
CT02080	CAT40xER40- 3.15	3.15	2.48	2.5	80072-06
CT02085	CAT40xER40- 4	4	2.48	2.5	80072-06
CT02095	CAT40xER50- 4	4	3.07	2.5	80072-07
CT02100	CAT50xER16- 4	4	1.102	3.875	80072-02
CT02105	CAT50xER16- 3	3	1.102	3.875	80072-02
CT02110	CAT50xER16- 5	5	1.102	3.875	80072-02
CT02125	CAT50xER20- 4	4	1.339	3.875	80072-03
CT02140	CAT50xER25- 4	4	1.645	3.875	80072-04
CT02155	CAT50xER32- 4	4	1.969	3.875	80072-05
CT02170	CAT50xER40- 4	4	2.48	3.875	80072-06
CT02185	CAT50xER50- 4	4	3.07	3.875	80072-07

\*Custom-built products are available on request.



## CAT MILLING CHUCKS

### CAT 強力式立銑刀把

CAT Shank ANSI B5.50

#### FEATURES:

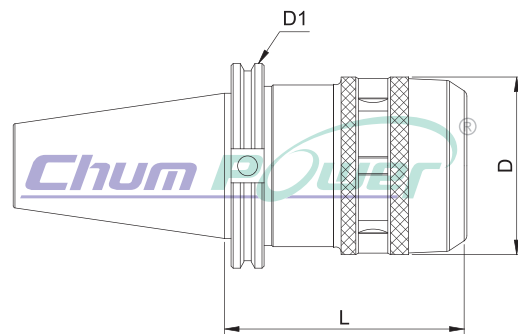
- It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- High rigidity
- High precision

#### 特性

- 內部滾針設計，可減少鎖緊時之摩擦阻力及零件磨耗。
- 防塵設計減少鐵屑掉入以延長使用壽命。
- 高夾持力，防止刀具於加工時滑脫，增加刀具壽命
- 剛性
- 高精密

#### APPLICATION:

- The Milling chuck can be applied for heavy-duty & higher accuracy cutting.
- 此強力銑刀把適用重型及高精密切削



INCH SIZE 英制

Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
CT03010	CAT40xC3/4- 3.385	3.385	2.047	2.5	80200-05
CT03015	CAT40xC3/4- 4.13	4.13	2.047	2.5	80200-05
CT03020	CAT40xC1-1/4- 4.53	4.53	2.716	2.5	80200-15
CT03025	CAT50xC3/4- 4.13	4.13	2.047	3.875	80200-05
CT03030	CAT50xC1-1/4- 4.13	4.13	2.716	3.875	80200-15

\*Custom-built products are available on request.



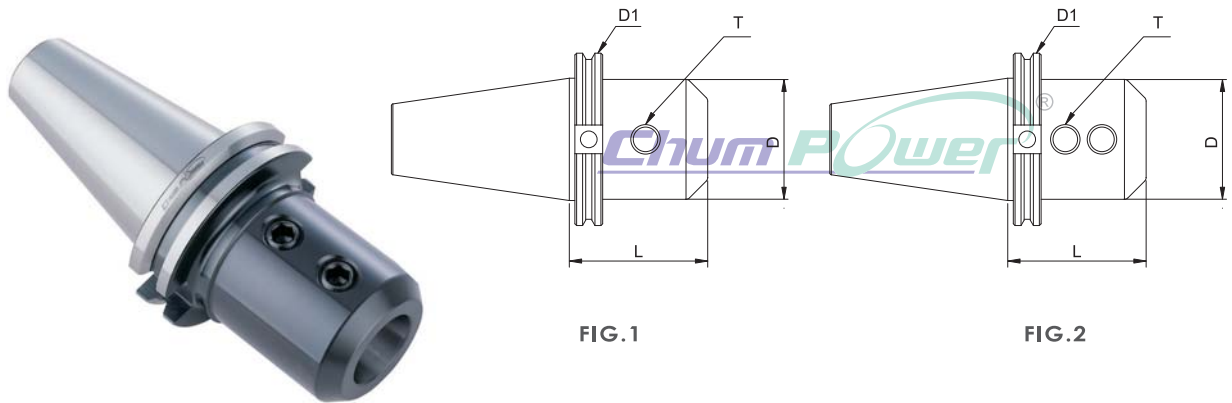
## CAT SIDE LOCK END MILL HOLDER

CAT 側固式立銑刀把

CAT Shank ANSI B5.50 with Side Lock End Mill DIN 1835B

**APPLICATION:**

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動



INCH SIZE 英制

Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
CT04010	CAT40xSLN1/8- 2.375	2.375	0.69	2.5	6#-32	1
CT04015	CAT40xSLN3/16- 2.5	2.5	0.69	2.5	8#-32	1
CT04020	CAT40xSLN1/4- 3	3	0.78	2.5	1/4-28	1
CT04025	CAT40xSLN5/16- 3	3	0.88	2.5	5/16-24	1
CT04030	CAT40xSLN3/8- 3	3	1	2.5	3/8-24	1
CT04035	CAT40xSLN1/2- 3	3	1.25	2.5	7/16-20	1
CT04040	CAT40xSLN5/8- 3	3	1.5	2.5	1/2-20	2
CT04045	CAT40xSLN3/4- 3	3	1.75	2.5	5/8-18	2
CT04050	CAT40xSLN7/8- 3.5	3.5	1.88	2.5	5/8-18	2
CT04055	CAT40xSLN1- 4	4	2	2.5	3/4-16	2
CT04060	CAT40xSLN1-1/4- 4.6	4.6	2.5	2.5	3/4-16	2
CT04065	CAT40xSLN1-1/2- 4.5	4.5	2.5	2.5	3/4-16	2
CT04070	CAT50xSLN1/4- 4	4	0.78	3.875	1/4-28	1
CT04075	CAT50xSLN5/16- 4	4	0.88	3.875	5/16-24	1
CT04080	CAT50xSLN3/8- 4	4	1	3.875	3/8-24	1
CT04085	CAT50xSLN1/2- 4	4	1.25	3.875	7/16-20	1
CT04090	CAT50xSLN5/8- 4	4	1.5	3.875	1/2-20	1
CT04095	CAT50xSLN3/4- 4	4	1.75	3.875	5/8-18	1
CT04100	CAT50xSLN7/8- 4	4	1.88	3.875	5/8-18	2
CT04105	CAT50xSLN1- 4	4	2	3.875	3/4-16	2
CT04110	CAT50xSLN1-1/4- 4	4	2.5	3.875	3/4-16	2
CT04115	CAT50xSLN1-1/2- 4.6	4.6	2.5	3.875	3/4-16	2

\*Custom-built products are available on request.

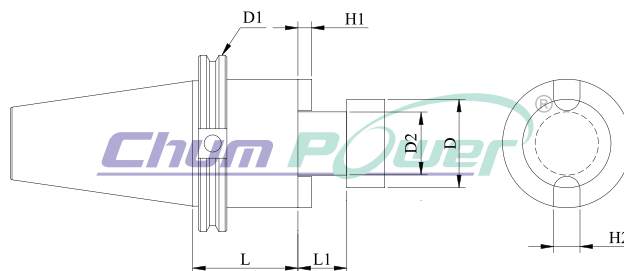
## CAT FACE MILL HOLDER

### CAT 面銑式立銑刀把

CAT Shank ANSI B5.50 with Face Mill DIN 6357

#### APPLICATION:

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



INCH SIZE 英制

Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2
CT06010	CAT40xFMA3/4-1.37	1.37	0.687	-	2.5	3/4	0.188	0.3125
CT06020	CAT40xFMA3/4-4	4	0.687	-	2.5	3/4	0.188	0.3125
CT06030	CAT40xFMA1-2.06	2.06	0.687	1.38	2.5	1	0.188	0.375
CT06035	CAT40xFMA1-4	4	0.687	1.38	2.5	1	0.188	0.375
CT06045	CAT40xFMA1-1/4-2.21	2.21	0.687	1.61	2.5	1-1/4	0.25	0.5
CT06050	CAT40xFMA1-1/4-4	4	0.687	1.61	2.5	1-1/4	0.25	0.5
CT06060	CAT40xFMA1-1/2-2.21	2.21	0.938	1.75	2.5	1-1/2	0.349	0.625
CT06065	CAT40xFMA1-1/2-4	4	0.938	1.75	2.5	1-1/2	0.349	0.625
CT06070	CAT50xFMA3/4-1.5	1.5	0.687	-	3.875	3/4	0.188	0.3125
CT06075	CAT50xFMA3/4-3.5	3.5	0.687	-	3.875	3/4	0.188	0.3125
CT06080	CAT50xFMA3/4-5.5	5.5	0.687	-	3.875	3/4	0.188	0.3125
CT06085	CAT50xFMA1-2	2	0.687	1.38	3.875	1	0.188	0.375
CT06090	CAT50xFMA1-4	4	0.687	1.38	3.875	1	0.188	0.375
CT06100	CAT50xFMA1-1/4-1.5	1.5	0.687	1.61	3.875	1-1/4	0.25	0.5
CT06105	CAT50xFMA1-1/4-3.5	3.5	0.687	1.61	3.875	1-1/4	0.25	0.5
CT06110	CAT50xFMA1-1/4-5	5	0.687	1.61	3.875	1-1/4	0.25	0.5
CT06120	CAT50xFMA1-1/2-2.4	2.4	0.938	1.75	3.875	1-1/2	0.349	0.625
CT06125	CAT50xFMA1-1/2-4	4	0.938	1.75	3.875	1-1/2	0.349	0.625
CT06135	CAT50xFMA2-2.4	2.4	0.938	2.68	3.875	2	0.384	0.75
CT06140	CAT50xFMA2-4	4	0.938	2.68	3.875	2	0.384	0.75

\*Custom-built products are available on request.

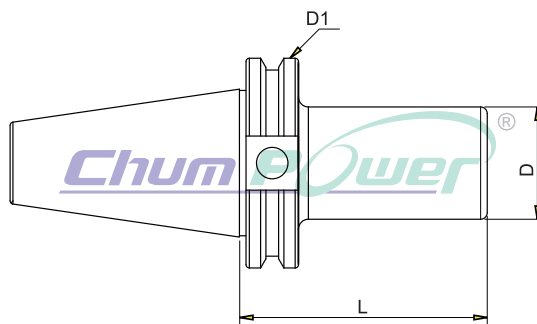
## CAT SLIM-FIT COLLET CHUCKS

CAT 後拉式立銑刀把

CAT Shank ANSI B5.50

**APPLICATION:**

- Slim-Fit collet chuck is clamped by Slim-Fit collet, it is applied for high-speed and high precision machining.
- 後拉式刀把採用後拉式筒夾夾持, 適用於高速精密之加工



INCH SIZE 英制

Code NO.	TYPE	L	D	D1
CT05015	CAT40xSBL6-3	3	0.551	2.5
CT05020	CAT40xSBL6-4	4	0.551	2.5
CT05030	CAT40xSBL12-3	3	1.024	2.5
CT05035	CAT40xSBL12-4	4	1.024	2.5
CT05045	CAT40xSBL20-3.15	3.15	1.378	2.5
CT05050	CAT40xSBL20-4	4	1.378	2.5
CT05060	CAT50xSBL6-3.5	3.5	0.551	3.875
CT05065	CAT50xSBL6-4.5	4.5	0.551	3.875
CT05075	CAT50xSBL12-3	3	1.024	3.875
CT05080	CAT50xSBL12-4.5	4.5	1.024	3.875
CT05090	CAT50xSBL20-3.15	3.15	1.378	3.875
CT05095	CAT50xSBL20-4.5	4.5	1.378	3.875

\*Custom-built products are available on request.



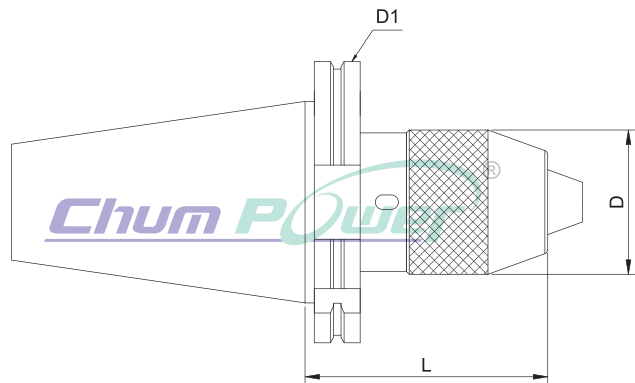
## SK CHU CNC DRILL CHUCKS

### SK 直結式鑽夾頭

SK Shank DIN 69871-A

#### FEATURES:

- 3 times better clamping capacity, comparing to keyed drill chucks.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyed drill chucks.
- The drill chuck is interchangeable.
- 比普通夾頭多3倍的夾持力
- 鑽頭不會鬆脫或掉落
- 比普通夾頭多出2倍精準
- 可替換式的夾頭



E-26

Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
SK01010	SK30xCHU8-80	80	37	50	12802
SK01020	SK30xCHU13-100	100	50		12806
SK01030	SK30xCHU16-125	125	57		12808
SK01040	SK40xCHU8-75	75	37	63.55	12802
SK01050	SK40xCHU13-100	100	50		12806
SK01060	SK40xCHU16-115	115	57		12808
SK01070	SK50xCHU13-100	100	50	97.5	12806
SK01080	SK50xCHU16-105	105	57		12808

\*Custom-built products are available on request.

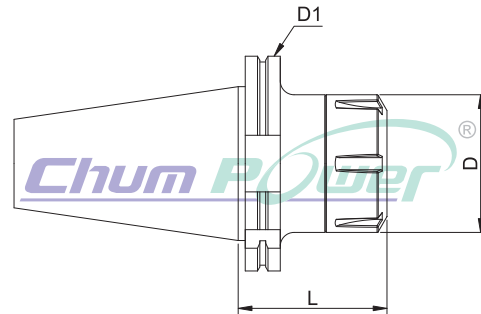
## SK ER COLLET CHUCKS

SK刀把 ER立銑式

SK Shank DIN 69871-A with Collet Chuck DIN 6499

**APPLICATION:**

- The product can be applied for end mills, drill bits reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀,鑽頭,鉸刀,絲攻及可夾持任何直柄的刀具及工具



E-27

Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
SK02005	SK30xER11- 80	80	19	50	80072-01
SK02010	SK30xER16- 60	60	28		80072-02
SK02015	SK30xER16- 120	120	34		80072-03
SK02020	SK30xER20- 60	60			80072-04
SK02025	SK30xER20- 120	120	42		80072-05
SK02030	SK30xER25- 60	60	50		
SK02035	SK30xER32- 60	60			

SK02040	SK40xER11- 80	80	19	63.55	80072-01	
SK02045	SK40xER11- 125	125	28		80072-02	
SK02050	SK40xER16- 70	70			34	80072-03
SK02055	SK40xER16- 100	100				42
SK02060	SK40xER16- 125	125	50		80072-05	
SK02065	SK40xER16- 150	150			63	
SK02075	SK40xER20- 70	70	78			80072-07
SK02080	SK40xER20- 100	100				
SK02085	SK40xER20- 135	135				
SK02095	SK40xER25- 70	70				
SK02100	SK40xER25- 100	100				
SK02105	SK40xER25- 150	150				
SK02120	SK40xER32- 60	60				
SK02125	SK40xER32- 100	100				
SK02130	SK40xER32- 135	135				
SK02135	SK40xER32- 150	150				
SK02140	SK40xER40- 80	80				
SK02145	SK40xER40- 100	100				
SK02150	SK40xER40- 135	135				
SK02155	SK40xER50- 100	100				

\*Custom-built products are available on request.



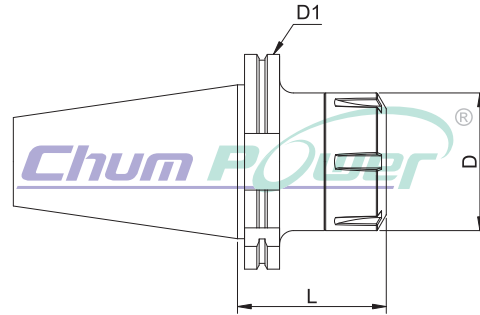
## SK ER COLLET CHUCKS DIN 6499

SK 刀把 ER立銑式

SK Shank DIN 69871-A with Collet Chuck DIN 6499

### APPLICATION:

- The product can be applied for end mills, drill bits reamers, taps, and can clamp any straight cutters and tools.
- 本產品可應用於銑刀, 鑽頭, 鉸刀, 絲攻及可夾持任何直柄的刀具及工具



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
SK02160	SK50xER16- 100	100	28	97.5	80072-02
SK02165	SK50xER16- 135	135			
SK02170	SK50xER16- 150	150			
SK02180	SK50xER20- 100	100	34		80072-03
SK02185	SK50xER20- 135	135			
SK02190	SK50xER20- 150	150			
SK02195	SK50xER25- 70	70	42		80072-04
SK02200	SK50xER25- 100	100			
SK02205	SK50xER25- 150	150			
SK02215	SK50xER32- 70	70	50		80072-05
SK02220	SK50xER32- 100	100			
SK02235	SK50xER40- 70	70	63		80072-06
SK02240	SK50xER40- 100	100			
SK02255	SK50xER50- 80	80	78	80076-07	
SK02260	SK50xER50- 120	120			

\*Custom-built products are available on request.



## SK MILLING CHUCKS

### SK 強力式立銑刀把

SK Shank DIN 69871-A

#### FEATURES:

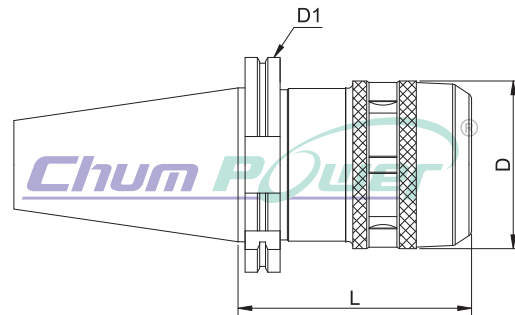
- It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- High rigidity
- High precision

#### 特 性

- 內部滾針設計，可減少鎖緊時之摩擦阻力及零件磨耗。
- 防塵設計減少鐵屑掉入以延長使用壽命。
- 高夾持力，防止刀具於加工時滑脫，增加刀具壽命
- 剛性
- 高精密

#### APPLICATION:

- The Milling chuck can be applied for heavy-duty & higher accuracy cutting.
- 此強力銑刀把適用重型及高精密切削



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
SK03005	SK30xC20- 85	85	52	50	80200-05
SK03010	SK30xC20- 100	100			
SK03015	SK40xC20- 85	85	52	63.55	80200-05
SK03020	SK40xC20- 100	100			
SK03025	SK40xC20- 135	135			
SK03030	SK40xC32- 105	105	69		80200-15
SK03035	SK40xC32- 135	135			
SK03040	SK50xC20- 105	105	52	97.5	80200-05
SK03045	SK50xC20- 150	150			
SK03050	SK50xC32- 110	110	69		
SK03055	SK50xC32- 135	135	86		80200-20
SK03060	SK50xC42- 110	110			

\*Custom-built products are available on request.



## SK SIDE LOCK END MILL HOLDER

SK 側固式立銑刀把

SK Shank DIN 69871-A with Side Lock End Mill DIN 1835B

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動

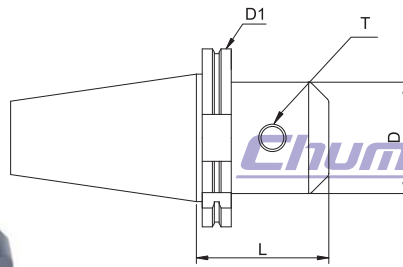


FIG. 1

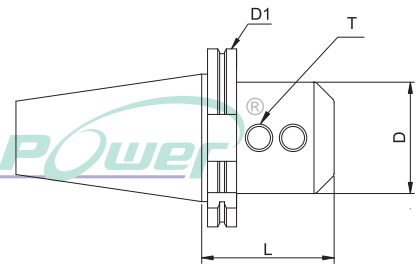


FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
SK04005	SK30xSLN6- 50	50	25	50	M6	1
SK04010	SK30xSLN8- 50	50	28	50	M8	1
SK04015	SK30xSLN10- 50	50	35	50	M10	1
SK04020	SK30xSLN12- 50	50	42	50	M12	1
SK04025	SK30xSLN16- 63	63	48	50	M14	1
SK04030	SK40xSLN6- 50	50	25	63.55	M6	1
SK04035	SK40xSLN8- 50	50	28	63.55	M8	1
SK04040	SK40xSLN10- 50	50	35	63.55	M10	1
SK04045	SK40xSLN12- 50	50	42	63.55	M12	1
SK04050	SK40xSLN16- 63	63	48	63.55	M14	1
SK04055	SK40xSLN20- 63	63	52	63.55	M16	1
SK04060	SK40xSLN25- 100	100	65	63.55	M18	2
SK04065	SK40xSLN32- 100	100	72	63.55	M20	2
SK04070	SK50xSLN6- 63	63	25	97.5	M6	1
SK04075	SK50xSLN8- 63	63	28	97.5	M8	1
SK04080	SK50xSLN10- 63	63	35	97.5	M10	1
SK04085	SK50xSLN12- 63	63	42	97.5	M12	1
SK04090	SK50xSLN16- 63	63	48	97.5	M14	1
SK04095	SK50xSLN20- 63	63	52	97.5	M16	1
SK04100	SK50xSLN25- 80	80	65	97.5	M18	2
SK04105	SK50xSLN32- 100	100	72	97.5	M20	2
SK04110	SK50xSLN40- 100	100	90	97.5	M20	2
SK04115	SK50xSLN42- 100	100	90	97.5	M20	2
SK04120	SK50xSLN50- 125	125	100	97.5	M24	2
SK04125	SK50xSLN63- 150	150	125	97.5	M24	2

\*Custom-built products are available on request.

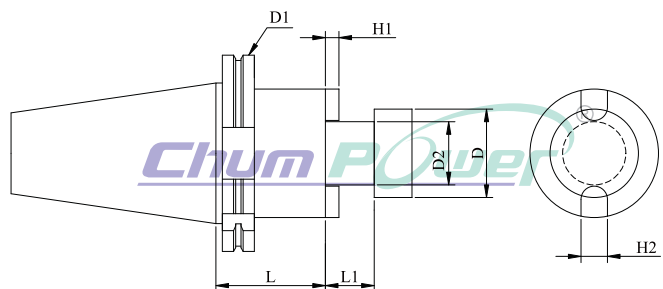
## SK FACE MILL HOLDER

SK 面銑式立銑刀把

SK Shank DIN 69871-A with Face Mill DIN 6357

**APPLICATION:**

- The product can be applied for Face milling.
- 本產品適用於平面銑削加工



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2
SK06005	SK30xFMB22- 35	35	18	26	50	22	4.8	10
SK06010	SK30xFMB27- 35	35	20	35	50	27	5.8	12
SK06015	SK40xFMB22- 35	35	18	26	63.55	22	4.8	10
SK06020	SK40xFMB27- 60	60	20	35	63.55	27	5.8	12
SK06025	SK40xFMB32- 60	60	22	41	63.55	32	6.8	14
SK06030	SK40xFMB40- 60	60	25	48	63.55	40	8.3	16
SK06035	SK50xFMB22- 35	35	18	26	97.5	22	4.8	10
SK06040	SK50xFMB27- 35	35	20	35	97.5	27	5.8	12
SK06045	SK50xFMB32- 35	35	22	41	97.5	32	6.8	14
SK06050	SK50xFMB40- 50	50	25	48	97.5	40	8.3	16
SK06055	SK50xFMB50- 60	60	30	68	97.5	50	9.7	19
SK06060	SK40xFMB40F- 60	60	26	-	63.55	40	8.3	16
SK06065	SK50xFMB40F- 70	70	26	-	97.5	40	8.3	16
SK06070	SK50xFMB60F- 70	70	25	-	97.5	60	12.5	25.4
SK06075	SK40xFS40- 60	60	26	-	63.55	40	8.3	16
SK06080	SK50xFS40- 70	70	26	-	97.5	40	8.3	16
SK06085	SK50xFS60- 70	70	25	-	97.5	60	12.5	25.4

\*Custom-built products are available on request.

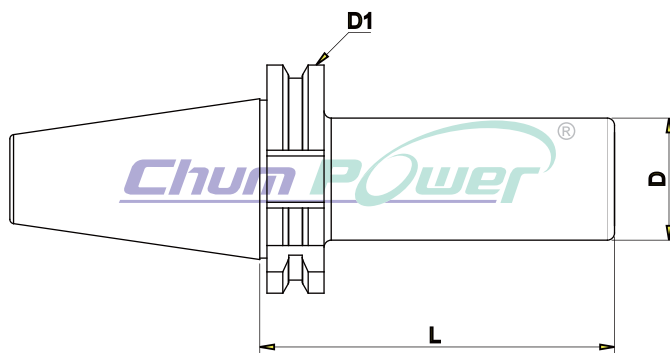
## SK SLIM-FIT COLLET CHUCKS

SK 後拉式立銑刀把

SK Shank DIN 69871-A

### APPLICATION:

- Slim-Fit collet chuck is clamped by Slim-Fit collet, it is applied for high-speed and high precision machining.
- 後拉式刀把採用後拉式筒夾夾持, 適用於高速精密之加工



Code NO. 型號	TYPE 規格	L	D	D1
SK05005	SK30xSBL6-70	70	14	50
SK05010	SK30xSBL6-100	100	14	50
SK05015	SK30xSBL12-80	80	26	50
SK05020	SK30xSBL12-100	100	26	50
SK05025	SK30xSBL20-80	80	35	50
SK05030	SK30xSBL20-100	100	35	50
SK05035	SK40xSBL6-70	70	14	63.55
SK05040	SK40xSBL6-100	100	14	63.55
SK05045	SK40xSBL12-80	80	26	63.55
SK05050	SK40xSBL12-100	100	26	63.55
SK05055	SK40xSBL20-80	80	35	63.55
SK05060	SK40xSBL20-100	100	35	63.55
SK05065	SK50xSBL6-70	70	14	97.5
SK05070	SK50xSBL6-100	100	14	97.5
SK05075	SK50xSBL12-70	70	26	97.5
SK05080	SK50xSBL12-100	100	26	97.5
SK05085	SK50xSBL20-80	80	35	97.5
SK05090	SK50xSBL20-100	100	35	97.5

\*Custom-built products are available on request.



## HSK CHU CNC DRILL CHUCKS

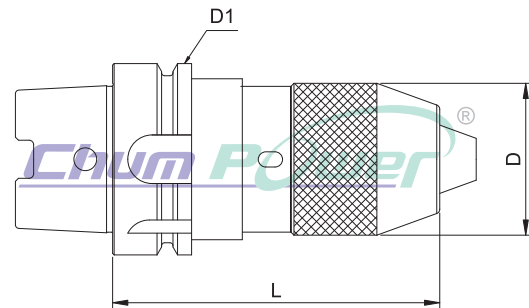
### HSK 直結式鑽夾頭

HSK Shank DIN 69893-1A

#### FEATURES:

- 3 times better clamping capacity, comparing to keyed drill chucks.
- The drill bit won't be loosen or falling off.
- Twice precision than the keyed drill chucks.
- The drill chuck is interchangeable.

- 比普通夾頭多3倍的夾持力
- 鑽頭不會鬆脫或掉落
- 比普通夾頭多出2倍精準
- 可替換式的夾頭



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
HK01010	HSK50AxCHU13-110	110	50	50	12806
HK01020	HSK63AxCHU13-110	110	50	63	12806
HK01030	HSK100AxCHU13-120	120	50	100	12806

\*Custom-built products are available on request.

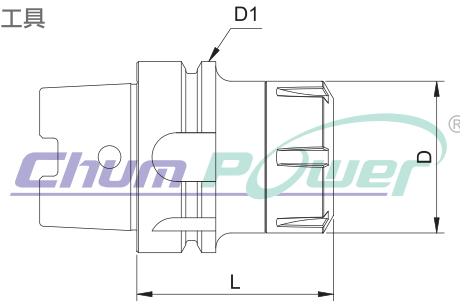
## HSK ER COLLET CHUCKS

### HSK刀把 ER立銑式

HSK Shank DIN 69893-1A with Collet Chuck DIN 6499

#### APPLICATION:

- The product can be applied for end mills, drill bits, drill reamers, taps, and can clamp any straight cutters and tools.
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing.
- 本產品可應用於銑刀, 鑽頭, 鉸刀, 絲攻及可夾持任何直式的刀具及工具
- 搭配HSK兩面拘束, 可增加側向加工的穩定性。



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
HK02011	HSK40A×ER20- 80	80	34	40	80072-03
HK02015	HSK40A×ER25- 80	80	42	40	80072-04
HK02020	HSK50A×ER16- 80	80	28	50	80072-02
HK02025	HSK50A×ER16- 100	100	28	50	80072-02
HK02030	HSK50A×ER16- 120	120	28	50	80072-02
HK02035	HSK50A×ER20- 80	80	34	50	80072-03
HK02040	HSK50A×ER20- 100	100	34	50	80072-03
HK02045	HSK50A×ER20- 120	120	34	50	80072-03
HK02050	HSK50A×ER25- 80	80	42	50	80072-04
HK02055	HSK50A×ER25- 100	100	42	50	80072-04
HK02060	HSK50A×ER25- 135	135	42	50	80072-04
HK02065	HSK50A×ER32- 100	100	50	50	80072-05
HK02070	HSK50A×ER32- 135	135	50	50	80072-05
HK02080	HSK63A×ER16- 80	80	28	63	80072-02
HK02085	HSK63A×ER16- 100	100	28	63	80072-02
HK02090	HSK63A×ER16- 120	120	28	63	80072-02
HK02100	HSK63A×ER20- 80	80	34	63	80072-03
HK02105	HSK63A×ER20- 100	100	34	63	80072-03
HK02110	HSK63A×ER20- 120	120	34	63	80072-03
HK02120	HSK63A×ER25- 80	80	42	63	80072-04
HK02125	HSK63A×ER25- 100	100	42	63	80072-04
HK02130	HSK63A×ER25- 120	120	42	63	80072-04
HK02135	HSK63A×ER25- 150	150	42	63	80072-04
HK02140	HSK63A×ER32- 80	80	50	63	80072-05
HK02145	HSK63A×ER32- 100	100	50	63	80072-05
HK02150	HSK63A×ER32- 145	145	50	63	80072-05
HK02165	HSK63A×ER40- 80	80	63	63	80072-06
HK02170	HSK63A×ER40- 100	100	63	63	80072-06
HK02175	HSK63A×ER40- 120	120	63	63	80072-06
HK02180	HSK63A×ER40- 150	150	63	63	80072-06
HK02190	HSK63A×ER50- 120	120	78	63	80072-07

\*Custom-built products are available on request.



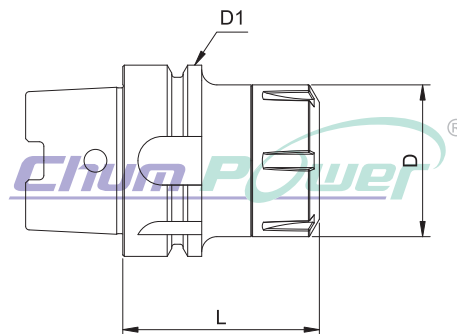
## HSK ER COLLET CHUCKS

HSK刀把 ER立銑式

HSK Shank DIN 69893-1A with Collet Chuck DIN 6499

**APPLICATION:**

- The product can be applied for end mills, drill bits, drill reamers, taps, and can clamp any straight cutters and tools.
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing.
- 本產品可應用於銑刀, 鑽頭, 鉸刀, 絲攻及可夾持任何直式的刀具及工具
- 搭配HSK兩面拘束, 可增加側向加工的穩定性。



E-35

Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
HK02195	HSK100AxER16- 80	80	28	100	80072-02
HK02200	HSK100AxER16- 100	100	28	100	80072-02
HK02210	HSK100AxER20- 80	80	34	100	80072-03
HK02215	HSK100AxER20- 100	100	34	100	80072-03
HK02225	HSK100AxER25- 100	100	42	100	80072-04
HK02230	HSK100AxER25- 130	130	42	100	80072-04
HK02235	HSK100AxER32- 100	100	50	100	80072-05
HK02240	HSK100AxER32- 135	135	50	100	80072-05
HK02245	HSK100AxER32- 150	150	50	100	80072-05
HK02250	HSK100AxER40- 100	100	63	100	80072-06
HK02255	HSK100AxER40- 120	120	63	100	80072-06
HK02265	HSK100AxER50- 100	100	78	100	80072-07
HK02270	HSK100AxER50- 120	120	78	100	80072-07

\*Custom-built products are available on request.



## HSK MILLING CHUCKS

### HSK強力式立銑刀把

HSK Shank DIN 69893-1A

#### FEATURES:

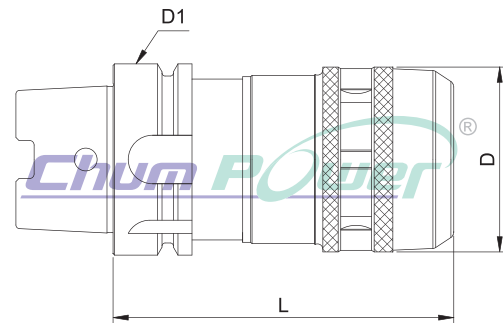
- It is designed with inner rolling needles inside. This design can reduce the friction resistance when tightening and the wear of parts.
- The design of dustproof can prevent iron scrap dropping and extend longevity of chuck.
- The high clamping force is available. The product can prevent the cutting tools from slipping when the users worked it and increase the longevity of cutting tools.
- High rigidity
- High precision

#### 特性

- 內部滾針設計，可減少鎖緊時之摩擦阻力及零件磨耗。
- 防塵設計減少鐵屑掉入以延長使用壽命。
- 高夾持力，防止刀具於加工時滑脫，增加刀具壽命
- 剛性
- 高精密

#### APPLICATION:

- The Milling chuck can be applied for heavy-duty & higher accuracy cutting.
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing.
- 此強力銑刀把適用重型及高精密切削
- 搭配HSK兩面拘束，可增加側向加工的穩定性。



Code NO. 型號	TYPE 規格	L	D	D1	Spanner No. 扳手編號
HK03010	HSK50AxC20- 120	120	52	50	80200-05
HK03015	HSK63AxC20- 90	90	52	63	80200-05
HK03020	HSK63AxC20- 120	120	52	63	80200-05
HK03030	HSK63AxC32- 120	120	69	63	80200-15
HK03035	HSK63AxC32- 150	150	69	63	80200-15
HK03040	HSK63AxC42- 120	120	86	63	80200-20

\*Custom-built products are available on request.



# TOOLING SYSTEM

## HSK SIDE LOCK END MILL HOLDER

HSK 側固式立銑刀把

HSK Shank DIN 69893-1A with Side Lock End Mill DIN 1835B

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing. ■ 搭配HSK兩面拘束，可增加側向加工的穩定性。

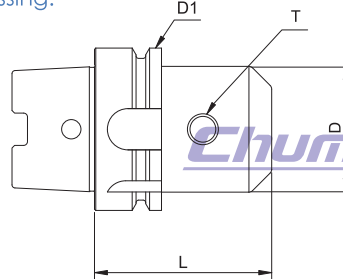


FIG. 1

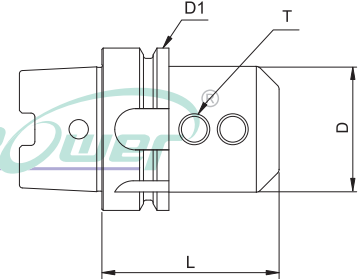


FIG. 2

Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
HK04015	HSK50AxSLN6- 65	65	25	50	M6	1
HK04020	HSK50AxSLN6- 80	80	25	50	M6	1
HK04025	HSK50AxSLN8- 65	65	28	50	M8	1
HK04030	HSK50AxSLN8- 80	80	28	50	M8	1
HK04035	HSK50AxSLN10- 65	65	35	50	M10	1
HK04040	HSK50AxSLN10- 80	80	35	50	M10	1
HK04045	HSK50AxSLN12- 80	80	42	50	M12	1
HK04050	HSK50AxSLN14- 80	80	44	50	M12	1
HK04055	HSK50AxSLN16- 80	80	48	50	M14	1
HK04060	HSK50AxSLN16- 90	90	48	50	M14	1
HK04065	HSK50AxSLN18- 80	80	50	50	M14	1
HK04070	HSK50AxSLN20- 80	80	52	50	M16	1
HK04075	HSK50AxSLN20- 90	90	52	50	M16	1

HK04080	HSK63AxSLN6- 65	65	25	63	M6	1
HK04085	HSK63AxSLN6- 80	80	25	63	M6	1
HK04090	HSK63AxSLN8- 65	65	28	63	M8	1
HK04095	HSK63AxSLN8- 80	80	28	63	M8	1
HK04100	HSK63AxSLN10- 65	65	35	63	M10	1
HK04105	HSK63AxSLN10- 80	80	35	63	M10	1
HK04110	HSK63AxSLN12- 80	80	42	63	M12	1
HK04115	HSK63AxSLN14- 80	80	44	63	M12	1
HK04120	HSK63AxSLN16- 80	80	48	63	M14	1
HK04125	HSK63AxSLN16- 100	100	48	63	M14	1
HK04130	HSK63AxSLN18- 80	80	50	63	M14	1
HK04135	HSK63AxSLN20- 80	80	52	63	M16	1
HK04140	HSK63AxSLN20- 100	100	52	63	M16	1
HK04145	HSK63AxSLN25- 110	110	65	63	M18	2
HK04150	HSK63AxSLN32- 110	110	72	63	M20	2

HK04155	HSK100AxSLN6- 80	80	25	100	M6	1
HK04160	HSK100AxSLN8- 80	80	28	100	M8	1
HK04165	HSK100AxSLN10- 80	80	35	100	M10	1
HK04170	HSK100AxSLN12- 80	80	42	100	M12	1
HK04175	HSK100AxSLN14- 80	80	44	100	M12	1
HK04180	HSK100AxSLN16- 100	100	48	100	M14	1
HK04185	HSK100AxSLN18- 100	100	50	100	M14	1
HK04190	HSK100AxSLN20- 100	100	52	100	M16	1
HK04195	HSK100AxSLN25- 100	100	65	100	M18	2
HK04200	HSK100AxSLN32- 100	100	72	100	M20	2
HK04205	HSK100AxSLN40- 120	120	90	100	M20	2

\*Custom-built products are available on request.

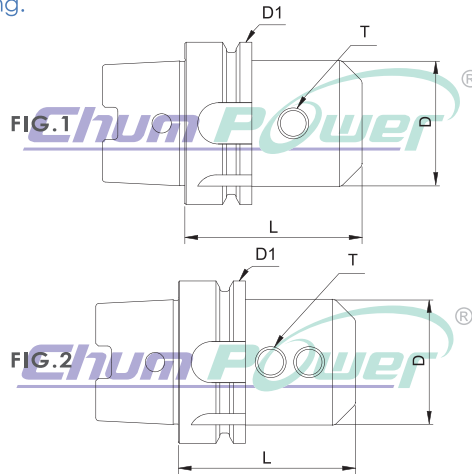
# HSK SIDE LOCK END MILL HOLDER

## HSK 側固式立銑刀把

HSK Shank DIN 69893-1A with Side Lock End Mill DIN 1835E

### APPLICATION:

- It can be applied for heavy cutting and milling process generally. ■ 適用於重切削及一般銑削加工
- The cutting tools can be clamped precisely. Even it's worked in heavy cutting, it will not result in slipping on cutting tools. ■ 刀具夾持確實，即使重切削亦不致造成刀具滑動
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing. ■ 搭配HSK兩面拘束，可增加側向加工的穩定性。



Code NO. 型號	TYPE 規格	L	D	D1	T	FIG. 圖
HK04210	HSK50AxSLNB6- 80	80	25	50	M6	1
HK04215	HSK50AxSLNB8- 80	80	28	50	M8	1
HK04220	HSK50AxSLNB10- 80	80	35	50	M10	1
HK04225	HSK50AxSLNB12- 90	90	42	50	M12	1
HK04230	HSK50AxSLNB14- 90	90	44	50	M12	1
HK04235	HSK50AxSLNB16- 90	90	48	50	M14	1
HK04240	HSK50AxSLNB18- 90	90	50	50	M14	1
HK04245	HSK50AxSLNB20- 100	100	52	50	M16	1
HK04250	HSK63AxSLNB6- 80	80	25	63	M6	1
HK04255	HSK63AxSLNB8- 80	80	28	63	M8	1
HK04260	HSK63AxSLNB10- 80	80	35	63	M10	1
HK04265	HSK63AxSLNB12- 90	90	42	63	M12	1
HK04270	HSK63AxSLNB14- 90	90	44	63	M12	1
HK04275	HSK63AxSLNB16- 100	100	48	63	M14	1
HK04280	HSK63AxSLNB18- 100	100	50	63	M14	1
HK04285	HSK63AxSLNB20- 100	100	52	63	M16	1
HK04290	HSK63AxSLNB25- 110	110	65	63	M18	2
HK04295	HSK63AxSLNB32- 110	110	72	63	M20	2
HK04300	HSK100AxSLNB6- 90	90	25	100	M6	1
HK04305	HSK100ASLNxB8- 90	90	28	100	M8	1
HK04310	HSK100AxSLNB10- 90	90	35	100	M10	1
HK04315	HSK100AxSLNB12- 100	100	42	100	M12	1
HK04320	HSK100AxSLNB14- 100	100	44	100	M12	1
HK04325	HSK100AxSLNB16- 100	100	48	100	M14	1
HK04330	HSK100AxSLNB18- 100	100	50	100	M14	1
HK04335	HSK100AxSLNB20- 110	110	52	100	M16	1
HK04340	HSK100AxSLNB25- 120	120	65	100	M18	2
HK04345	HSK100AxSLNB32- 120	120	72	100	M20	2
HK04350	HSK100AxSLNB40- 120	120	90	100	M20	2

\*Custom-built products are available on request.

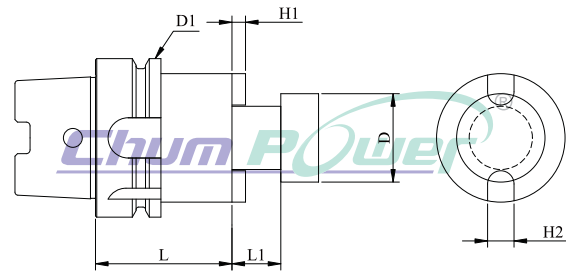
## HSK FACE MILL HOLDER

### HSK 面銑式立銑刀把

HSK Shank DIN 69893-1A with Face Mill DIN 6357

#### APPLICATION:

- The product can be applied for Face milling.
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing.
- 本產品適用於平面銑削加工
- 搭配HSK兩面拘束，可增加側向加工的穩定性。



Code NO. 型號	TYPE 規格	L	L1	D	D1	D2	H1	H2
HK06010	HSK40AxFMB16- 50	50	17	-	40	16	3.8	8
HK06015	HSK40AxFMB22- 60	60	18	26	40	22	4.8	10
HK06020	HSK40AxFMB27- 60	60	20	35	40	27	5.8	12
HK06025	HSK40AxFMB32- 60	60	22	41	40	32	6.8	14
HK06035	HSK50AxFMB16- 50	50	17	-	50	16	3.8	8
HK06040	HSK50AxFMB22- 50	50	18	26	50	22	4.8	10
HK06045	HSK50AxFMB22- 60	60	18	26	50	22	4.8	10
HK06055	HSK50AxFMB27- 60	60	20	35	50	27	5.8	12
HK06060	HSK50AxFMB32- 60	60	22	41	50	32	6.8	14
HK06065	HSK63AxFMB16- 50	50	17	-	63	16	3.8	8
HK06070	HSK63AxFMB22- 50	50	18	26	63	22	4.8	10
HK06080	HSK63AxFMB27- 60	60	20	35	63	27	5.8	12
HK06090	HSK63AxFMB32- 60	60	22	41	63	32	6.8	14
HK06095	HSK63AxFMB40- 60	60	25	48	63	40	8.3	16
HK06100	HSK100AxFMB22- 50	50	18	26	100	22	4.8	10
HK06105	HSK100AxFMB27- 50	50	20	35	100	27	5.8	12
HK06110	HSK100AxFMB32- 50	50	22	41	100	32	6.8	14
HK06115	HSK100AxFMB40- 70	60	25	48	100	40	8.3	16
HK06120	HSK100AxFMB50- 70	70	30	68	100	50	9.7	19
HK06125	HSK100AxFMB60- 70	70	40	-	100	60	9.7	19

\*Custom-built products are available on request.

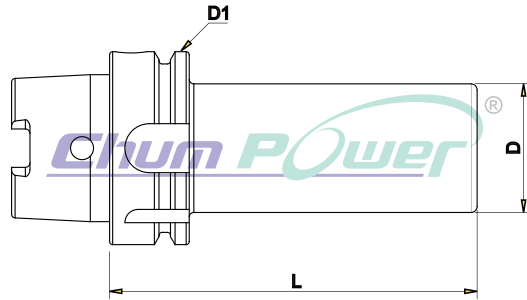
## HSK SLIM-FIT CHUCKS

### HSK 後拉式立銑刀把

HSK Shank DIN 69893-1A

#### APPLICATION:

- Slim-Fit collet chuck is clamped by Slim-Fit collet, it is applied for high-speed and high precision machining.
- The product matches HSK BBT system (Big+Plus). It can increase the stability on the side direction processing.
- 後拉式刀把採用後拉式筒夾夾持，適用於高速精密之加工
- 搭配HSK兩面拘束，可增加側向加工的穩定性。



Code NO. 型號	TYPE 規格	L	D	D1
HK05016	HSK50AxSBL6-105	105	14	50
HK05019	HSK50AxSBL6-120	120	14	50
HK05022	HSK50AxSBL12-120	120	26	50
HK05025	HSK50AxSBL12-130	130	26	50
HK05028	HSK50AxSBL20-130	130	35	50
HK05031	HSK50AxSBL20-150	150	35	50
HK05034	HSK63AxSBL6-110	110	14	63
HK05037	HSK63AxSBL6-120	120	14	63
HK05040	HSK63AxSBL12-120	120	26	63
HK05043	HSK63AxSBL12-150	150	26	63
HK05046	HSK63AxSBL20-130	130	35	63
HK05049	HSK63AxSBL20-140	140	35	63

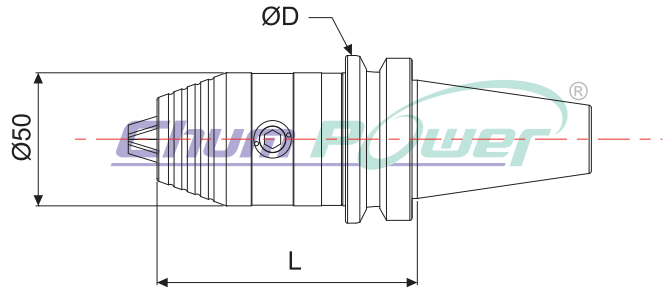
\*Custom-built products are available on request.



## BT Hex Key Drill Chuck

BT 齒輪式夾頭

MAS 403 (JIS B 6339)



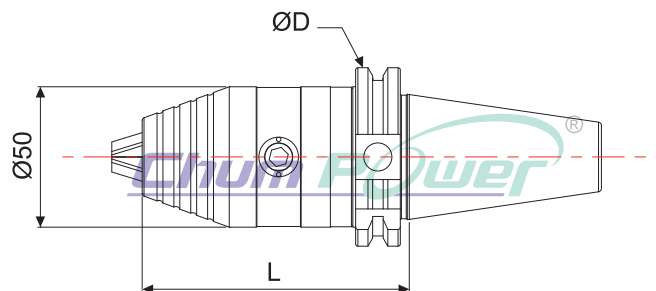
Code NO. 型號	Type 規格	夾持量 mm	Capacity inch	L	ØD
BT22518	BT40xGHK13-98	1.0-13	3/64-1/2	98	63
BT22520	BT40xGHK16-103	1.5-16	1/16-5/8	103	63
BT22550	BT50xGHK13-109	1.0-13	3/64-1/2	109	100
BT22560	BT50xGHK16-114	1.5-16	1/16-5/8	114	100

\*Custom-built products are available on request.

## SK Hex Key Drill Chuck

SK 齒輪式夾頭

DIN 69871



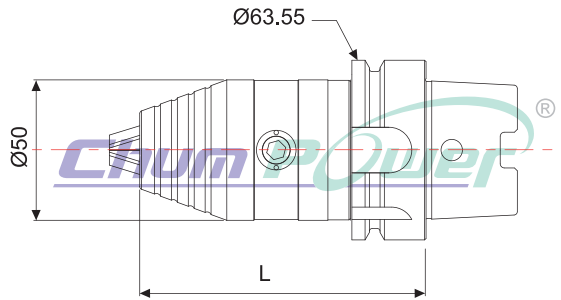
Code NO. 型號	Type 規格	夾持量 mm	Capacity inch	L	ØD
SK22520	SK40xGHK13-90	1.0-13	3/64-1/2	90	63.55
SK22530	SK40xGHK16-95	1.5-16	1/16-5/8	95	63.55
SK22550	SK50xGHK13-90	1.0-13	3/64-1/2	90	97.5
SK22560	SK50xGHK16-95	1.5-16	1/16-5/8	95	97.5

\*Custom-built products are available on request.

## HSK Hex Key Drill Chuck

HSK 齒輪式夾頭

DIN 69893



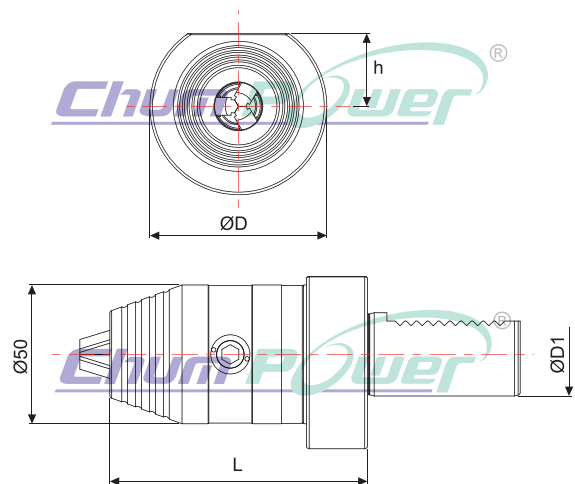
Code NO. 型號	Type 規格	夾持量	Capacity	L
		mm	inch	
HK22526	HSK63AxGHK13-105	1.0-13	3/64-1/2	105
HK22528	HSK63AxGHK16-110	1.5-16	1/16-5/8	110

\*Custom-built products are available on request.

## VDI Hex Key Drill Chuck

VDI 齒輪式夾頭

DIN 69880-1

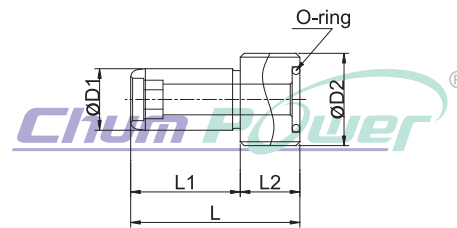


Code NO. 型號	Type 規格	夾持量	Capacity	L	ØD	h	ØD1
		mm	inch				
VD22533	VDI30xGHK13-93	1.0-13	3/64-1/2	93	68	28	30
VD22536	VDI30xGHK16-98	1.5-16	1/16-5/8	98	68	28	30
VD22542	VDI40xGHK13-93	1.0-13	3/64-1/2	93	83	32	40
VD22545	VDI40xGHK16-98	1.5-16	1/16-5/8	98	83	32	40

\*Custom-built products are available on request.

## Coolant Pipe

### 冷卻導管



Code NO. 型號	HSK NO.	$\phi D1$	$\phi D2$	L	L1	L2	O-ring
84652	HSK32	6	M10x1.0	26	20.5	5.5	P4
84654	HSK40	8	M12x1.0	29.5	22	7.5	P6
84656	HSK50	10	M16x1.0	33	23.5	9.5	P9
84658	HSK63	12	M18x1.0	36.5	25	11.5	P11
84660	HSK80	14	M20x1.5	40	25.5	13.5	P12
84662	HSK100	16	M24x1.5	44	28.5	15.5	P15

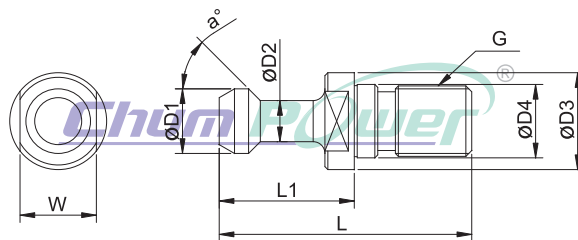
## BT/Standard Model

## Pull Stud 拉栓

### BT 標準型

Please make sure that the pull stud you ordered is the exact one applied to your machine. Otherwise, it'll damage to the spindle of your machine, the tool holder, and can cause a serious safety hazard.

請確認所選擇的拉栓是符合你的機器所使用，錯誤的拉栓會毀損機器的主軸，刀桿及造成嚴重的危害。

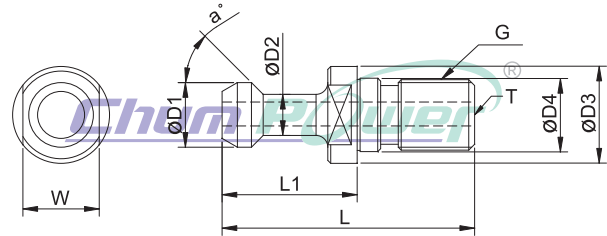


Code NO. 型號	TYPE (BT- $\alpha^\circ$ ) 規格	W	L	L1	$\phi D1$	$\phi D2$	$\phi D3$	$\phi D4$	G
81201	BT30-45°	13	43	23	11	7	16.5	12.5	M12
81202	BT40-45°	19	60	35	15	10	23	17	M16
81203	BT50-45°	30	85	45	23	17	38	25	M24
81204	BT30-60°	13	43	23	11	7	16.5	12.5	M12
81205	BT40-60°	19	60	35	15	10	23	17	M16
81206	BT50-60°	30	85	45	23	17	38	25	M24
81207	BT30-90°	13	43	23	11	7	16.5	12.5	M12
81208	BT40-90°	19	60	35	15	10	23	17	M16
81209	BT50-90°	30	85	45	23	17	38	25	M24

**BT/Coolant Thru-Hole Models**

**Pull Stud 拉栓**

BT 水孔型

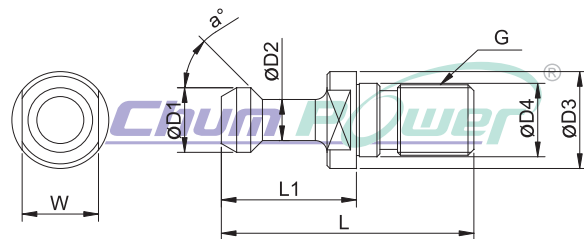


Code NO. 型號	TYPE BT-α° 規格	T	W	L	L1	ØD1	ØD2	ØD3	ØD4	G
81210	BT40-45°	Ø4	19	60	35	15	10	23	17	M16
81211	BT40-60°	Ø4								
81212	BT40-90°	Ø4								
81268	BT50-45°	Ø7	30	85	45	23	17	38	25	M24
81269	BT50-60°	Ø7								
81270	BT50-90°	Ø7								

**BT/Threading Ground Models**

**Pull Stud 拉栓**

BT 磨牙型



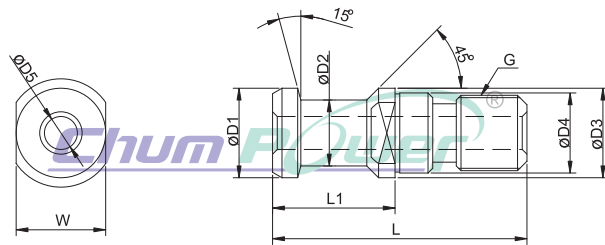
Code NO. 型號	TYPE (BT-α°G) 規格	W	L	L1	ØD1	ØD2	ØD3	ØD4	G
81242	BT30-45°G	13	43	23	11	7	16.5	12.5	M12
81245	BT40-45°G	19	60	35	15	10	23	17	M16
81244	BT50-45°G	30	85	45	23	17	38	25	M24
81243	BT30-60°G	13	43	23	11	7	16.5	12.5	M12
81246	BT40-60°G	19	60	35	15	10	23	17	M16
81247	BT50-60°G	30	85	45	23	17	38	25	M24
81248	BT30-90°G	13	43	23	11	7	16.5	12.5	M12
81249	BT40-90°G	19	60	35	15	10	23	17	M16
81250	BT50-90°G	30	85	45	23	17	38	25	M24

# TOOLING SYSTEM

## DIN A Type

## Pull Stud 拉栓

### DIN A型

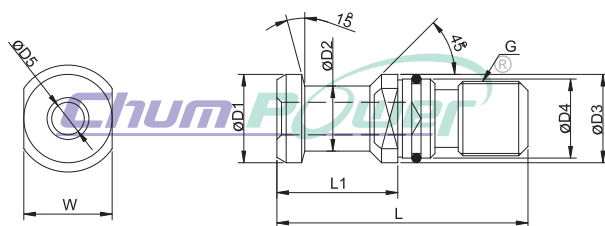


Code NO. 型號	TYPE 規格	W	L	L1	øD1	øD2	øD3	øD4	øD5	G
81251	DIN 30A	14	44	24	13	9	17	13	-	M12
81252	DIN 40A	19	54	26	19	14	23	17	7	M16
81253	DIN 40-A-L	19	54	29	19	14	23	17	7	M16
81254	DIN 50A	30	74	34	28	21	36	25	11.5	M24

## DIN B Type

## Pull Stud 拉栓

### DIN B型

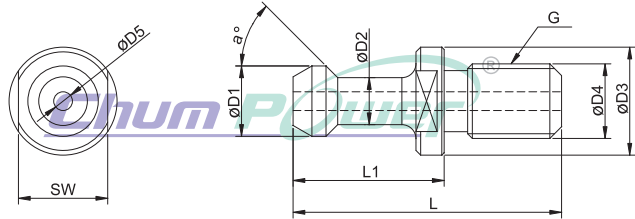


Code NO. 型號	TYPE 規格	W	L	L1	øD1	øD2	øD3	øD4	øD5	G
81255	DIN 30B	14	44	24	13	9	17	13	-	M12
81256	DIN 40B	19	54	26	19	14	23	17	7	M16
81257	DIN 50B	30	74	34	28	21	36	25	11.5	M24

DIN / R Type

Pull Stud 拉栓

DIN R型

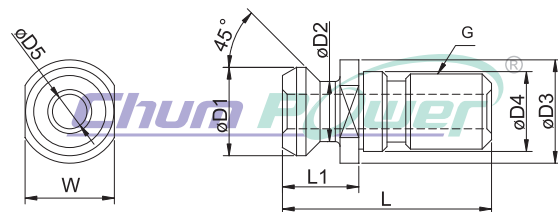


Code NO. 型號	TYPE 規格	SW	L	L1	øD1	øD2	øD3	øD4	øD5	G
81258	DIN 40-R	19	57	32	15	10	23	16	4	M16*P2.0

ISO A Type / ISO B Type

Pull Stud 拉栓

ISO A型 / ISO B型



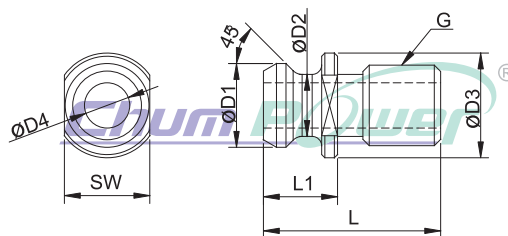
Code NO. 型號	TYPE 規格	W	L	L1	øD1	øD2	øD3	øD4	øD5	G
81259	ISO 40-A	19	54	26	19	14	23	17	7	M16
81260	ISO 50-A	30	74	34	28	21	36	25	11.5	M24
81261	ISO 40-B	19	44.5	16.4	18.8	12.95	22.5	17	7.3	M16
81262	ISO 50-B	30	65.5	25.5	29.1	19.6	37	25	11.5	M24

# TOOLING SYSTEM

## CAT Standard Models

## Pull Stud 拉栓

CAT 標準型



Code NO. 型號	TYPE 規格	SW	L	L1	ØD1	ØD2	ØD3	ØD4	G
81263	CAT 40	0.75	1.5	0.64	0.74	0.49	0.94	0.281	5/8"-11
81264	CAT 50	1.25	2.3	1	1.14	0.82	1.44	0.468	1"-8

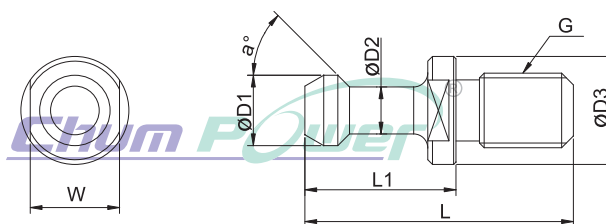
## CAT Special Models

## Pull Stud 拉栓

CAT 特殊型

Suitable for interchanging CAT holder with BT holder

適用於CAT刀把轉BT介面主軸



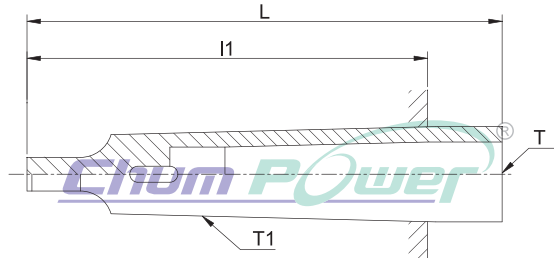
Code NO. 型號	TYPE CAT x a° 規格	W	L	L1	ØD1	ØD2	ØD3	G
81265	CAT 40 x45°	0.748	2.25	1.266	0.59	0.394	0.905	5/8"-11
81266	CAT 40 x60°							
81267	CAT 40 x90°							

## Morse Taper Sleeve

莫式錐度套筒

DIN 228A

- Hardened and Ground Treatment
- 熱處理研磨



Code NO. 型號	TYPE T x T1 規格	L	L1
31101	MT1 X MT2	89	75
31102	MT1 X MT3	100	94
31103	MT2 X MT3	112	94
31104	MT1 X MT4	124	117.5
31105	MT2 X MT4	124	117.5
31106	MT3 X MT4	140	117.5
31107	MT1 X MT5	156	149
31108	MT2 X MT5	156	149
31109	MT3 X MT5	156	149
31110	MT4 X MT5	167	149
31111	MT4 X MT6	220	210
31112	MT5 X MT6	224	210

E-48

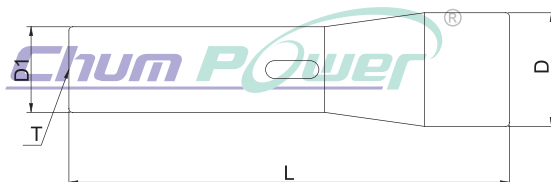
## R8 Drill Sleeve

R8 套筒

DIN 228A

- HARDENED & GROUND TREATMENT
- CONCENTRICITY: 0.015MM
- HARDNESS FOR MT-3 ADAPTER IS HRC 40-43. THE REST ARE HRC 54-56

- 熱處理研磨
- 同心度:0.015MM
- MT-3接頭的硬度是介於HRC40-43, 其餘是介於HRC54-56



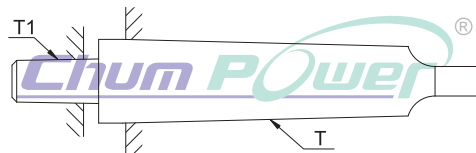
Code NO. 型號	TYPE 規格	L	D	D1	T
31151	R8 - MT1	124	32	24.1	7/16"NF20
31152	R8 - MT2	136.5			
31153	R8 - MT3	150			
31154	R8 - MT4	245			

## Morse Taper Drill Chuck Arbors

### 莫式錐度夾頭柄

DIN 228A & DIN 238-2

- PRECISION GROUND
- MORSE TAPER TO JACOBS TAPER
- 精密研磨
- 莫氏錐度和JT型



Code NO. 型號	TYPE T x T1 規格
31000	MT1 x JT0
31001	MT1 x JT1
31002	MT1 x JT2
31003	MT1 x JT3
31004	MT1 x JT4
31005	MT1 x JT5
31006	MT1 x JT6
31007	MT1 x JT33
31008	MT2 x JT0
31009	MT2 x JT1
31010	MT2 x JT2
31011	MT2 x JT3
31012	MT2 x JT4
31013	MT2 x JT5
31014	MT2 x JT6
31015	MT2 x JT33
31016	MT3 x JT1
31017	MT3 x JT2

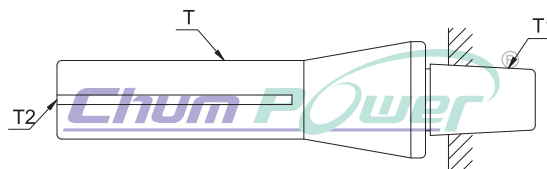
Code NO. 型號	TYPE T x T1 規格
31018	MT3 x JT3
31019	MT3 x JT4
31020	MT3 x JT5
31021	MT3 x JT6
31022	MT3 x JT33
31023	MT4 x JT2
31024	MT4 x JT3
31025	MT4 x JT4
31026	MT4 x JT5
31027	MT4 x JT6
31028	MT4 x JT33
31029	MT5 x JT2
31030	MT5 x JT3
31031	MT5 x JT4
31032	MT5 x JT5
31033	MT5 x JT6
31034	MT5 x JT33

## R8 Drill Chuck Arbors

### R8 夾頭柄

DIN 238-2

- PRECISION GROUND
- R8 TAPER TO JACOBS TAPER
- 精密研磨
- R8錐度和JT型

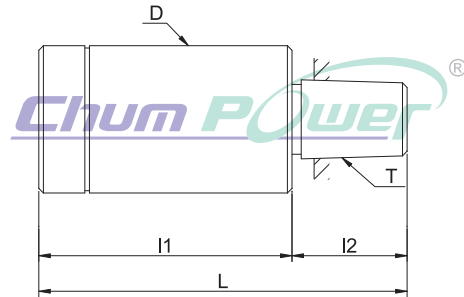


Code NO. 型號	TYPE T x T1 規格	T2
31035	R8 x JT1	7/16"UF20
31036	R8 x JT2	
31037	R8 x JT3	
31038	R8 x JT4	
31039	R8 x JT5	
31040	R8 x JT6	
31041	R8 x JT33	

### Cylindrical Drill Chuck Arbors

直式夾頭柄

DIN 238-2

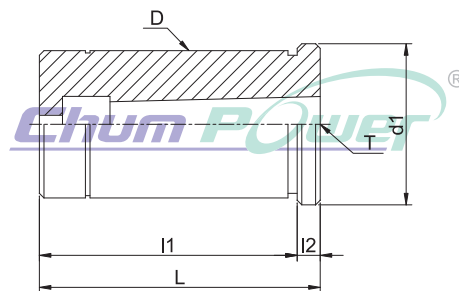


Code NO. 型號	TYPE D x T 規格	L	I1	I2
31047	C20 x JT6	80	55	25
31043	C32 x JT3	85	70	25
31044	C32 x JT6	105.95	70	35.95
31070	C42 x JT3	125	100	25
31071	C42 x JT6	135.95	100	35.95

### Morse Taper Adapter with Straight Shank

直式夾頭心軸

DIN 228A



Code NO. 型號	TYPE D x T 規格	L	I1	I2	d1
40511	C32 x MT1	61	56	5	35
40512	C32 x MT2	73	65	8	37
40513	C32 x MT3	92	72	20	37
40521	C42 x MT1	61	56	5	47
40522	C42 x MT2	74	66	8	47
40523	C42 x MT3	92	75	17	47

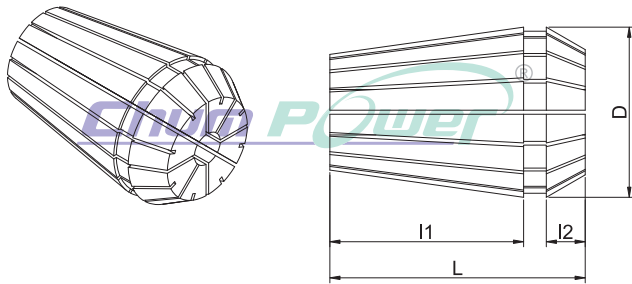
## ER SPRING COLLET SYSTEM

彈性筒夾

DIN 6499

**APPLICATION:**

- It is applied for a variety of processing including drilling, milling, tapping and grinding.
- 它適用於各種的加工, 包含鑽孔, 銑床, 攻牙和研磨



※Toolholder not included  
不含刀把

Code NO. 型號	TYPE 規格	Collect 筒夾	D	L	l1	l2
80001	ER8x9	5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1	8.5	13.5	10.8	1.5
80002	ER11x7	7, 6, 5, 4, 3, 2, 1	11.5	18	13.5	2.5
80003	ER11x13	7, 6.5, 6, 5.5, 5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1				
80004	ER16x8	10, 9, 8, 7, 6, 5, 4, 3	17	27.5	20.8	4
80005	ER16x10	10, 9, 8, 7, 6, 5, 4, 3, 2, 1				
80006	ER20x10	13, 12, 11, 10, 9, 8, 7, 6, 5, 4	21	31.5	23.9	4.8
80007	ER20x12	13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2				
80008	ER25x7	16, 14, 12, 10, 8, 6, 4	26	34	25.9	5
80009	ER25x15	16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2				
80010	ER32x6	20, 16, 12, 10, 8, 6	33	40	30.9	5.5
80011	ER32x11	20, 18, 16, 15, 13, 12, 10, 8, 6, 5, 4				
80014	ER32x18	20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3				
80013	ER40x7	25, 20, 16, 12, 10, 8, 6	41	46	34.9	7
80015	ER40x15	26, 25, 22, 21, 20, 18, 16, 15, 13, 12, 10, 8, 6, 5, 4				
80016	ER40x23	26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4				
80017	ER50x12	34, 32, 30, 28, 26, 24, 22, 20, 18, 16, 14, 12	52	60	46	8.5

## ER SPRING COLLET SYSTEM

### 彈性筒夾

DIN 6499

#### APPLICATION:

- It is applied for a variety of processing including drilling, milling, tapping and grinding.
- 它適用於各種的加工, 包含鑽孔, 銑床, 攻牙和研磨



Code NO. 型號	TYPE 規格
80001-01	ER8(1.0-0.5)
80001-02	ER8(1.5-1.0)
80001-03	ER8(2.0-1.5)
80001-04	ER8(2.5-2.0)
80001-05	ER8(3.0-2.5)
80001-06	ER8(3.5-3.0)
80001-07	ER8(4.0-3.5)
80001-08	ER8(4.5-4.0)
80001-09	ER8(5.0-4.5)

Code NO. 型號	TYPE 規格
80005-01	ER16(1.0-0.5)
80005-02	ER16(1.5-1.0)
80005-03	ER16(2.0-1.5)
80005-04	ER16(2.5-2.0)
80005-05	ER16(3.0-2.5)
80005-06	ER16(3.5-3.0)
80005-07	ER16(4.0-3.5)
80005-08	ER16(4.5-4.0)
80005-09	ER16(5.0-4.5)
80005-10	ER16(5.5-5.0)
80005-12	ER16(6.0-5.5)
80005-20	ER16(6.5-6.0)
80005-14	ER16(7.0-6.5)
80005-15	ER16(7.5-7.0)
80005-11	ER16(8.0-7.0)
80005-16	ER16(8.0-7.5)
80005-17	ER16(8.5-8.0)
80005-18	ER16(9.0-8.5)
80005-19	ER16(9.5-9.0)
80005-13	ER16(10.0-9.5)

Code NO. 型號	TYPE 規格
80003-01	ER11(1.0-0.5)
80003-02	ER11(1.5-1.0)
80003-03	ER11(2.0-1.5)
80003-04	ER11(2.5-2.0)
80003-05	ER11(3.0-2.5)
80003-06	ER11(3.5-3.0)
80003-07	ER11(4.0-3.5)
80003-08	ER11(4.5-4.0)
80003-09	ER11(5.0-4.5)
80003-10	ER11(5.5-5.0)
80003-11	ER11(6.0-5.5)
80003-12	ER11(6.5-6.0)
80003-13	ER11(7.0-6.5)

Code NO. 型號	TYPE 規格
80009-01	ER25(1.0-0.5)
80009-02	ER25(2.0-1.0)
80009-03	ER25(3.0-2.0)
80009-04	ER25(4.0-3.0)
80009-05	ER25(5.0-4.0)
80009-06	ER25(6.0-5.0)
80009-07	ER25(7.0-6.0)
80009-13	ER25(8.0-7.0)
80009-14	ER25(9.0-8.0)
80009-15	ER25(10-9.0)
80009-16	ER25(11-10)
80009-17	ER25(12-11)
80009-18	ER25(13-12)
80009-19	ER25(14-13)
80009-20	ER25(15-14)
80009-21	ER25(16-15)

## ER SPRING COLLET SYSTEM

### 彈性筒夾

DIN 6499

#### APPLICATION:

- It is applied for a variety of processing including drilling, milling, tapping and grinding.
- 它適用於各種的加工，包含鑽孔，銑床，攻牙和研磨



Code NO. 型號	TYPE 規格
80017-06	ER50(12-10)
80017-07	ER50(14-12)
80017-08	ER50(16-14)
80017-09	ER50(18-16)
80017-10	ER50(20-18)
80017-11	ER50(22-20)
80017-12	ER50(24-22)
80017-13	ER50(26-24)
80017-14	ER50(28-26)
80017-15	ER50(30-28)
80017-16	ER50(32-30)
80017-17	ER50(34-32)

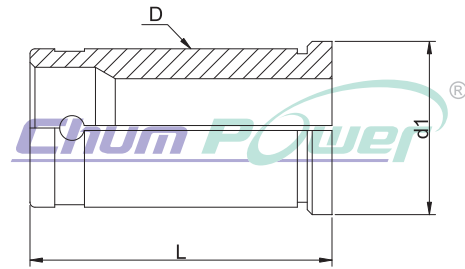
Code NO. 型號	TYPE 規格
80014-01	ER32(2.0-1.0)
80014-02	ER32(3.0-2.0)
80014-03	ER32(4.0-3.0)
80014-04	ER32(5.0-4.0)
80014-05	ER32(6.0-5.0)
80014-06	ER32(7.0-6.0)
80014-11	ER32(8.0-7.0)
80014-12	ER32(9.0-8.0)
80014-13	ER32(10-9.0)
80014-14	ER32(11-10)
80014-15	ER32(12-11)
80014-16	ER32(13-12)
80014-17	ER32(14-13)
80014-18	ER32(15-14)
80014-19	ER32(16-15)
80014-20	ER32(17-16)
80014-21	ER32(18-17)
80014-22	ER32(19-18)
80014-23	ER32(20-19)

Code NO. 型號	TYPE 規格
80007-17	ER20(1.0-0.5)
80007-01	ER20(1.5-1.0)
80007-02	ER20(2.0-1.5)
80007-03	ER20(2.5-2.0)
80007-04	ER20(3.0-2.5)
80007-05	ER20(3.5-3.0)
80007-06	ER20(4.0-3.5)
80007-07	ER20(4.5-4.0)
80007-08	ER20(5.0-4.5)
80007-09	ER20(5.5-5.0)
80007-10	ER20(6.0-5.5)
80007-11	ER20(6.5-6.0)
80007-12	ER20(7.0-6.5)
80007-13	ER20(7.5-7.0)
80007-14	ER20(8.0-7.5)
80007-15	ER20(8.5-8.0)
80007-16	ER20(9.0-8.5)
80007-18	ER20(9.5-9.0)
80007-19	ER20(10-9.5)
80007-20	ER20(10.5-10)
80007-21	ER20(11-10.5)
80007-22	ER20(11.5-11)
80007-23	ER20(12-11.5)
80007-24	ER20(12.5-12)
80007-25	ER20(13.-12.5)

Code NO. 型號	TYPE 規格
80016-01	ER40(3.0-2.0)
80016-02	ER40(4.0-3.0)
80016-03	ER40(5.0-4.0)
80016-04	ER40(6.0-5.0)
80016-05	ER40(7.0-6.0)
80016-06	ER40(8.0-7.0)
80016-11	ER40(9.0-8.0)
80016-12	ER40(10-9.0)
80016-13	ER40(11-10)
80016-14	ER40(12-11)
80016-15	ER40(13-12)
80016-16	ER40(14-13)
80016-17	ER40(15-14)
80016-18	ER40(16-15)
80016-19	ER40(17-16)
80016-20	ER40(18-17)
80016-21	ER40(19-18)
80016-22	ER40(20-19)
80016-23	ER40(21-20)
80016-24	ER40(22-21)
80016-25	ER40(23-22)
80016-26	ER40(24-23)
80016-27	ER40(25-24)
80016-28	ER40(26-25)

## STRAIGHT COLLET

### 直筒式彈性筒夾



Code NO. 型號	TYPE 規格	L	D	d1
80049-02	C20-6	52	20	25
80049-04	C20-8			
80049-06	C20-10			
80049-08	C20-12			
80049-10	C20-14			
80049-12	C20-15			
80049-14	C20-16			

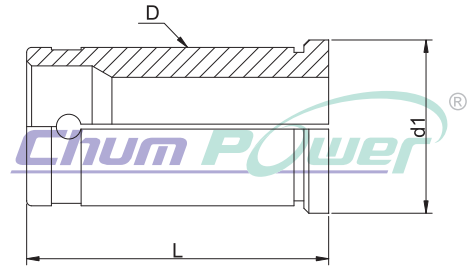
80049-52	C3/4"-3/16"	52	20	25
80049-54	C3/4"-1/4"			
80049-56	C3/4"-5/16"			
80049-58	C3/4"-3/8"			
80049-60	C3/4"-1/2"			
80049-62	C3/4"-5/8"			

Code NO. 型號	TYPE 規格	L	D	d1
80050-02	C32-4	73	32	37
80050-04	C32-5			
80050-06	C32-6			
80050-08	C32-8			
80050-10	C32-10			
80050-12	C32-12			
80050-14	C32-14			
80050-16	C32-16			
80050-18	C32-18			
80050-20	C32-20			
80050-22	C32-22			
80050-24	C32-25			

80050-52	C1 1/4"-3/16"	73	32	37
80050-54	C1 1/4"-1/4"			
80050-56	C1 1/4"-5/16"			
80050-58	C1 1/4"-3/8"			
80050-60	C1 1/4"-1/2"			
80050-62	C1 1/4"-5/8"			
80050-64	C1 1/4"-3/4"			
80050-66	C1 1/4"-7/8"			
80050-68	C1 1/4"-1"			

## STRAIGHT COLLET

直筒式彈性筒夾



E-55

Code NO. 型號	TYPE 規格	L	D	d1
80051-02	C42-4	80	42	48
80051-04	C42-5			
80051-06	C42-6			
80051-08	C42-8			
80051-10	C42-10			
80051-12	C42-12			
80051-14	C42-14			
80051-16	C42-16			
80051-18	C42-18			
80051-20	C42-20			
80051-22	C42-22			
80051-24	C42-25			
80051-26	C42-32			

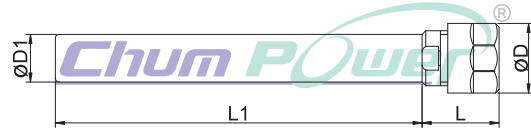
Code NO. 型號	TYPE 規格	L	D	d1
80052-02	C25-4	60	25	31
80052-04	C25-5			
80052-06	C25-6			
80052-08	C25-8			
80052-10	C25-10			
80052-12	C25-12			
80052-14	C25-14			
80052-16	C25-16			
80052-18	C25-18			
80052-20	C25-20			

80052-52	C1"-3/16"	60	25	31
80052-54	C1"-1/4"			
80052-56	C1"-5/16"			
80052-58	C1"-3/8"			
80052-60	C1"-1/2"			
80052-62	C1"-5/8"			
80052-64	C1"-3/4"			

## ER Straight Collet Chuck

直柄ER刀桿

ER Collet DIN 6499



Code NO. 型號	TYPE 規格	L	L1	øD	øD1
80950	ST1/2"-ER11-4"	0.825"	4"	19	1/2"
80951	ST1/2"-ER11-6"		6"		1/2"
80952	ST5/8"-ER11-4"		4"		5/8"
80953	ST5/8"-ER11-6"		6"		5/8"
80954	ST5/8"-ER16-4"	1.18"	4"	28	5/8"
80955	ST3/4"-ER16-2.5"		2.5"		3/4"
80956	ST3/4"-ER16-4"		4"		3/4"
80957	ST3/4"-ER16-6"		6"		3/4"
80958	ST1"-ER16-2.5"		2.5"		1"
80959	ST1"-ER16-4"		4"		1"
80960	ST1"-ER16-6"		6"		1"
80961	ST3/4"-ER20-2.5"		1.42"		2.5"
80962	ST3/4"-ER20-4"	4"		3/4"	
80963	ST3/4"-ER20-6"	6"		3/4"	
80964	ST1"-ER20-2.5"	2.5"		1"	
80965	ST1"-ER20-4"	4"		1"	
80966	ST1"-ER20-6"	6"		1"	
80967	ST1"-ER25-2.5"	1.81"	2.5"	42	1"
80968	ST1"-ER25-4"		4"		1"
80969	ST1"-ER25-6"		6"		1"
80970	ST1"-ER32-3"	2.13"	3"	50	1"
80971	ST1 1/4"-ER32-4"		4"		1 1/4"
80972	ST1 1/2"-ER32-4"		4"		1 1/2"
80973	ST1 1/4"-ER40-3"	2.17"	3"	63	1 1/4"

## ER Straight Collet Chuck

直柄ER刀桿

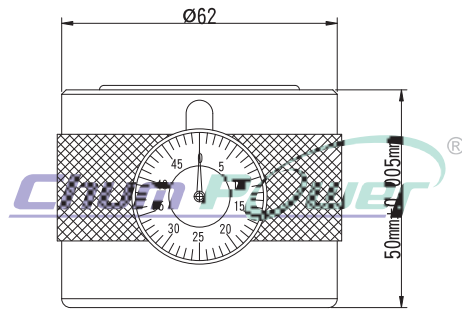
ER Collet DIN 6499



Code NO. 型號	TYPE 規格	L	L1	øD	øD1
80981	ST16-ER11S-50	22	50	16	16
80982	ST16-ER11S-100		100		16
80983	ST16-ER11S-150		150		16
80984	ST16-ER16S-100	32	100	22	16
80985	ST20-ER16S-50		50		20
80986	ST20-ER16S-100		100		20
80987	ST20-ER16S-150		150		20
80988	ST20-ER16S-200		200		20
80989	ST25-ER16S-100		100		25
80990	ST25-ER16S-150		150		25
80991	ST25-ER16S-200		200		25
80992	ST20-ER20S-50		35		50
80993	ST20-ER20S-100	100		20	
80994	ST20-ER20S-150	150		20	
80995	ST20-ER20S-200	200		20	
80996	ST25-ER20S-100	100		25	
80997	ST25-ER20S-150	150		25	
80998	ST25-ER20S-200	200		25	

## Z Axial Preset Gauge

Z軸設定器



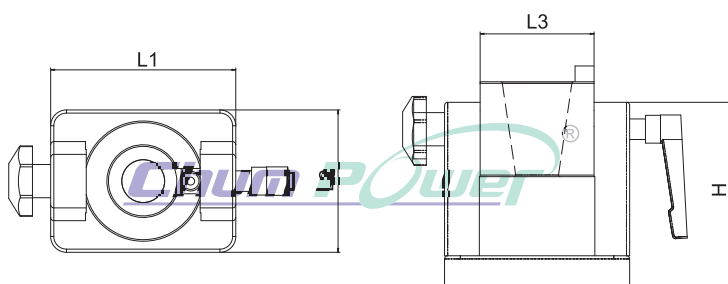
\*Accuracy± 0.01mm 精度±0.01mm

Code NO. 型號	TYPE 規格
80553	ø50-50

E-58

## Tool Holder Locking Device

鎖刀座



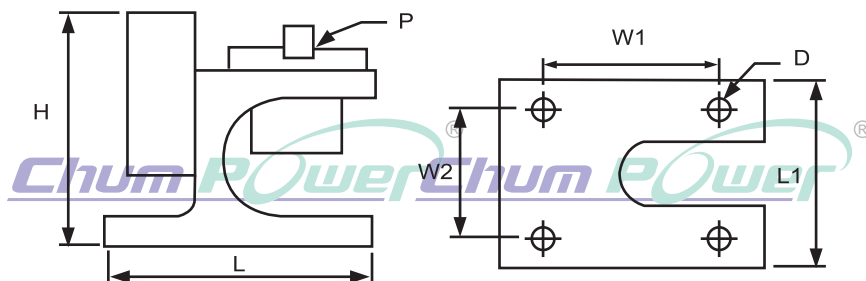
Code NO. 型號	TYPE 規格	L1	L2	L3	H
84523	BT/ CAT/ SK30	117	90	72	117
84524	BT/ CAT/ SK40	117	90	72	117
84525	BT/ CAT/ SK50	137	90	92	130

# TOOLING SYSTEM

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## Tool Locking Device

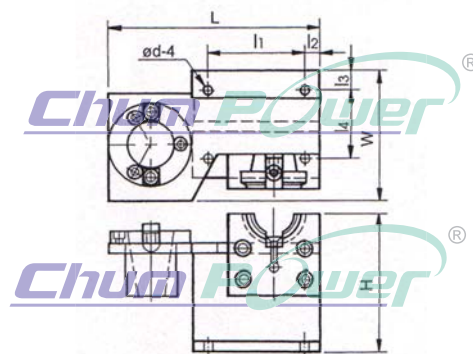
鎖刀座



Code NO. 型號	TYPE 規格	P	L	L1	H	W1	W2	D	Weight 重量(kg)
84510	BT30	BT	145	103	143	112	72	13	4.2
84511	BT40	BT	145	103	143	112	72	13	4.2
84512	BT50	BT	177	135	205	140	100	13	7.6
84522	HSK-63	HSK	177	135	190	140	100	13	7.6
84516	CAT30	CAT	145	103	143	112	72	13	4.2
84517	CAT40	CAT	145	103	143	112	72	13	4.2
84518	CAT50	CAT	177	135	205	140	100	13	7.6

## Tool Locking Device A Type (Cast Iron Body)

鎖刀座 A型 (主體為鑄鐵)



Code NO. 型號	TYPE 規格	L	l1	l2	l3	l4	H	W	N.W. 淨重(kg)	G.W. 毛重(kg)	Shipment Size 裝箱尺寸(cm)
8451001	CP-BT30A	210	95	10	15	67	130	100	3.6	3.7	22x11.5x14
8451101	CP-BT40A	210	95	10	15	67	130	100	3.7	3.9	22x11.5x14
8451201	CP-BT50A	275	113	20	24	105	200	150	11.0	11.4	29.5x17x21
8452901	CP-DIN40A	210	95	10	15	67	130	100	3.6	3.8	22x11.5x14
8453001	CP-DIN50A	275	113	20	24	105	200	150	10.8	11.2	29.5x17x21
8451701	CP-CAT40A	210	95	10	15	67	130	100	3.6	3.8	22x11.5x14
8451801	CP-CAT50A	275	113	20	24	105	200	150	10.8	11.2	29.5x17x21

## Taper Wiper BT Type

### 清潔棒 BT型

清潔棒的清潔片由小羊皮製成，可清理主軸內部，不傷主軸，防止靜電產生，延長主軸使用壽命。

Cleaning chips of taper wiper is made of lambskin. It can clean inside slides of spindles to prevent static electricity and to extend the longevity of spindles and tapers.



Code NO. 型號	TYPE 規格	Taper 斜度	N.W. 淨重(kg)	G.W. 毛重(kg)	Shipment Size 裝箱尺寸(cm)	Remarks(Pcs/Ctn) 備註(支/箱)
STT0001	W-30	# 30	0.06	0.08	41x29.5x20	30
STT0002	W-40	# 40	0.07	0.10	41x29.5x20	30
STT0003	W-50	# 50	0.16	0.20	41x29.5x20	10
STT0004	W-30P	# 30	0.06	0.08	41x29.5x20	30
STT0005	W-40P	# 40	0.07	0.10	41x29.5x20	30
STT0006	W-50P	# 50	0.16	0.20	41x29.5x20	10

## Taper Wiper HSK Type

### 清潔棒 HSK型

清潔棒的清潔片由小羊皮製成，可清理主軸內部，不傷主軸，防止靜電產生，延長主軸使用壽命。

Cleaning chips of taper wiper is made of lambskin. It can clean inside slides of spindles to prevent static electricity and to extend the longevity of spindles and tapers.

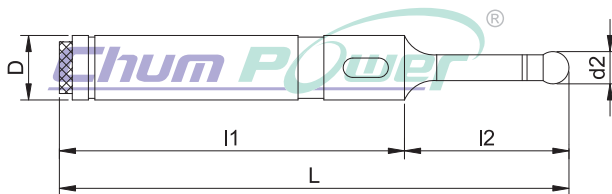


Code NO. 型號	TYPE 規格	Model No. 型式	N.W. 淨重(kg)	G.W. 毛重(kg)	Shipment Size 裝箱尺寸(cm)	Remarks(Pcs/Ctn) 備註(支/箱)
STT0007	W-HSK40A	-	0.08	0.10	41x29.5x20	30
STT0008	W-HSK50H	HSK50/HSK63F	0.08	0.12	41x29.5x20	10
STT0010	W-HSK63H	HSK63	0.10	0.13	41x29.5x20	10
STT0011	W-HSK100H	-	0.54	0.7	41x29.5x20	3

## Optical Edge Finder

### 光電式尋邊器

- Quickly locate work edges and save time to find positions for Milling , Lathe Machine, and other machines.
- The scope of application includes processing material edge, and measuring inside and outside diameters of work-piece efficiently.
- There is a safety spring puller, which will put a ball precisely back to the position when ball breaks away from ball seat.
- Attached 2 dry batteries to light the red lamp.
- 迅速的找出工作位置, 對於銑床、車床、及其他機械設備, 都能有效率節省尋找位置所需時間.
- 可應用於加工件邊及內、外徑之高效率量測.
- 當鋼珠脫離時, 有一個安全彈簧可精確的將其拉回原來的位址.
- 附2枚1.5V鹼性乾電池



Code NO. 型號	TYPE D 規格	d2	L	l1	l2
84630	20	10	158	108	50
84631	32	10	158	108	50
84632	3/4"	0.4"	158	108	50
84633	1 1/4"	0.4"	158	108	50

## ER Spanner

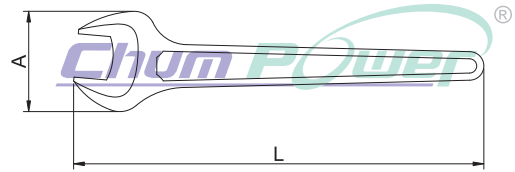
### ER 板手

ER小徑板手  
ER S



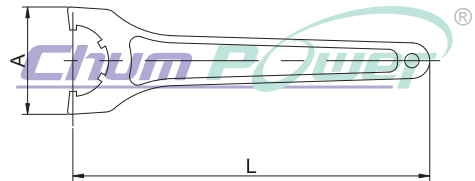
Code NO. 型號	Spec. 規格	A	L
80072-08	ER8S	13	75
80072-09	ER11S	17	95
80072-10	ER16S	22.5	118
80072-11	ER20S	28	130
80072-12	ER25S	36.5	135

六角板手  
ER Hex



Code NO. 型號	Spec. 規格	A	L
80072-01	ER11H	35	130
80072-02	ER16H	44	140
80072-03	ER20H	53	170

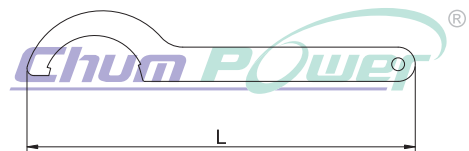
ER標準板手  
ER B



Code NO. 型號	Spec. 規格	A	L
80072-04	ER25B	65	210
80072-05	ER32B	75	250
80072-06	ER40B	90	290
80072-07	ER50B	110	350

## Hook Wrench

### 勾板手



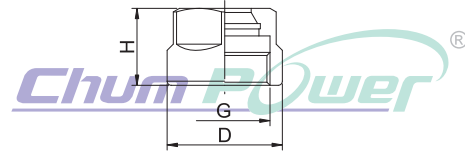
Code NO. 型號	Spec. 規格	A	L
80200-05	C20	-	200
80200-10	C25	-	230
80200-15	C32	-	270
80200-20	C42	-	340

# TOOLING SYSTEM

## NUTS

### 螺帽

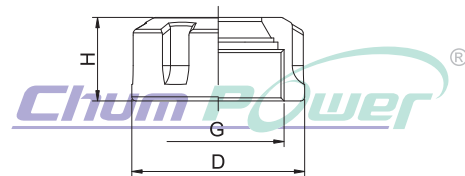
#### H Type



ER Hex

Code NO. 型號	Spec. 規格	H	D	G	Spanner No. 扳手編號
80071-01	ER 11-H	13	19	M14x0.75P	80072-01
80071-02	ER 16-H	18.7	28	M22x1.5P	80072-02
80071-03	ER 20-H	19	34	M25x1.5P	80072-03

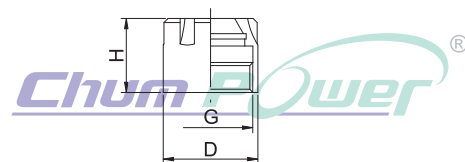
#### B Type



ER B

Code NO. 型號	Spec. 規格	H	D	G	Spanner No. 扳手編號
80071-04	ER 25-B	20	42	M32x1.5P	80072-04
80071-05	ER 32-B	24	50	M40x1.5P	80072-05
80071-06	ER 40-B	26	63	M50x1.5P	80072-06
80071-07	ER 50-B	35	78	M64x2.0P	80072-07

#### S Type



ER S

Code NO. 型號	Spec. 規格	H	D	G	Spanner No. 扳手編號
80071-08	ER 8-S	10.8	12	M10x0.75P	80072-08
80071-09	ER 11-S	12	16	M13x0.75P	80072-09
80071-10	ER 16-S	18	22	M19x1.0P	80072-10
80071-11	ER 20-S	19	28	M24x1.0P	80072-11
80071-12	ER 25-S	20	35	M30x1.0P	80072-12