

REGO-FIX▲ ER系列刀桿



REGO-FIX▲ HSK 刀桿

DIN 69893/ ISO 12164

特性與優點

整體精度 TIR ≤ 3um

表面粗糙度最大Ra 0.25

所有刀桿動平衡至G2.5 @25,000rpm/<1gmm

XL加長刀桿動平衡至G2.5 @5000rpm，精度<10um

Hi-Q 動平衡系統

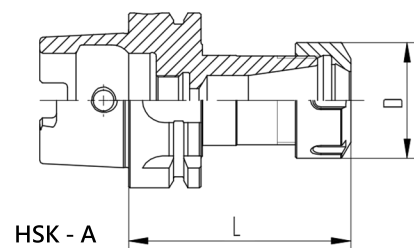
所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，

最高動平衡可調整至80,000rpm

包含10mm ID晶片孔 (DIN 69873)



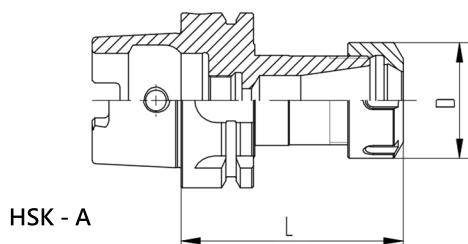
動平衡	
HSK 25	平衡至 90,000 min-1
HSK 32	平衡至 60,000 min-1
HSK 40	平衡至 45,000 min-1
HSK 50	平衡至 36,000 min-1
HSK 63	G2.5 @25,000 min-1
HSK 80	G2.5 @25,000 min-1
HSK 100	G2.5 @25,000 min-1
HSK 125	G2.5 @25,000 min-1



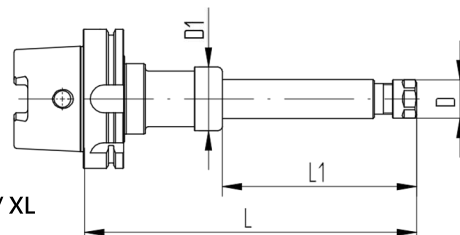
HSK - A 刀桿

型號	D	D1	L	L1	FWR	扳手
HSK - A 32 / ER11 x 050	19		50			E 11 P
HSK - A 32 / ER16 x 060	28		60			E 16 P
HSK - A 32 / ER20 x 060	34		60			E 20 P
HSK - A 32 / ER25 x 065	42		65			E 25
HSK - A 40 / ER16 x 080H	28		80		225	E 16 P
HSK - A 40 / ER25 x 080H	42		80		325	E 25
HSK - A 50 / ER 16 x 100H	28		100		325	E 16 P
HSK - A 50 / ER 25 x 080H	42		80		325	E 25
HSK - A 50 / ER 25 x 100H	42		100		325	E 25
HSK - A 50 / ER 32 x 100H	50		100		405	E 32
HSK - A 63 / ER 11 x 100H	19		100		325	E 11 P
HSK - A 63 / ER 16 x 080H	28		80		325	E 16 P
HSK - A 63 / ER 16 x 100H	28		100		325	E 16 P
HSK - A 63 / ER 16 x 160H	28		160		325 / 225	E 16 P

REGO-FIX▲ HSK 刀桿



HSK - A

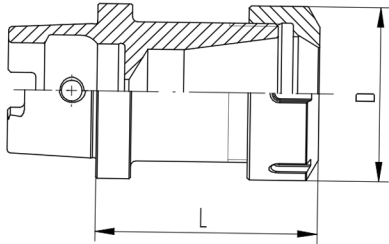


HSK - A / XL

型號	D	D1	L	L1	FWR	扳手
HSK - A 63 / ER 16 x 240XL	28	46	240	140		E 16 P
HSK - A 63 / ER 16 x 260XL	28	46	260	140		E 16 P
HSK - A 63 / ER 16 x 300XL	28	46	300	140		E 16 P
HSK - A 63 / ER 16 x 340XL	28	46	340	240		E 16 P
HSK - A 63 / ER 16 x 360XL	28	46	360	240		E 16 P
HSK - A 63 / ER 16 x 400XL	28	46	400	240		E 16 P
HSK - A 63 / ER 20 x 075	34		75			E 20 P
HSK - A 63 / ER 25 x 080H	42		80		325	E 25
HSK - A 63 / ER 25 x 100H	42		100		325	E 25
HSK - A 63 / ER 25 x 160H	42		160		325	E 25
HSK - A 63 / ER 25 x 200H	42		200		405 / 325	E 25
HSK - A 63 / ER 32 x 080H	50		80		405	E 32
HSK - A 63 / ER 32 x 100H	50		100		405	E 32
HSK - A 63 / ER 32 x 160H	50		160		405	E 32
HSK - A 63 / ER 32 x 240XL	50	55	240	140		E 32
HSK - A 63 / ER 32 x 260XL	50	55	260	140		E 32
HSK - A 63 / ER 32 x 340XL	50	55	340	240		E 32
HSK - A 63 / ER 32 x 360XL	50	55	360	240		E 32
HSK - A 63 / ER 40 x 080	63		80			E 40
HSK - A 63 / ER 40 x 120H	63		120		505	E 40
HSK - A 63 / ER 40 x 160H	63		160		505	E 40
HSK - A 80 / ER 16 x 100H	28		100		325	E 16 P
HSK - A 80 / ER 16 x 160H	28		160		325 / 225	E 16 P
HSK - A 80 / ER 32 x 100H	50		100		405	E 32
HSK - A 80 / ER 40 x 120H	63		120		505	E 40
HSK - A 100 / ER 16 x 100H	28		100		405	E 16 P
HSK - A 100 / ER 16 x 160H	28		160		405 / 225	E 16 P
HSK - A 100 / ER 16 x 200H	28		200		405 / 225	E 16 P
HSK - A 100 / ER 16 x 240XL	28	46	240	140		E 16 P
HSK - A 100 / ER 16 x 300XL	28	46	300	140		E 16 P
HSK - A 100 / ER 16 x 340XL	28	46	340	240		E 16 P
HSK - A 100 / ER 16 x 400XL	28	46	400	240		E 16 P
HSK - A 100 / ER 25 x 100H	42		100		405	E25
HSK - A 100 / ER 25 x 160H	42		160		405 / 325	E25
HSK - A 100 / ER 25 x 200H	42		200		405 / 325	E25
HSK - A 100 / ER 32 x 100H	50		100		405	E 32
HSK - A 100 / ER 32 x 160H	50		160		405	E 32
HSK - A 100 / ER 32 x 246XL	50	55	246	140		E 32
HSK - A 100 / ER 32 x 346XL	50	55	346	240		E 32
HSK - A 100 / ER 40 x 120H	63		120		505	E 40
HSK - A 100 / ER 40 x 200H	63		200		505 / 505	E 40

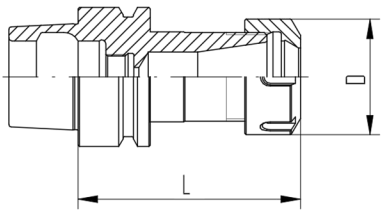
REGO-FIX▲ HSK 刀桿

HSK - C 刀桿

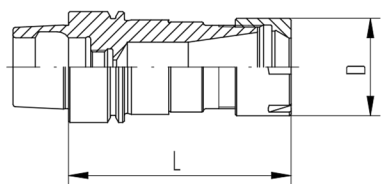


型號	D	L	扳手
HSK - C 32 / ER 16 x 060	28	60	E 16 P
HSK - C 32 / ER 20 x 060	34	60	E 20 P
HSK - C 32 / ER 25 x 070	42	70	E 25
HSK - C 40 / ER 20 x 060	34	60	E 20 P
HSK - C 40 / ER 25 x 070	42	70	E 25
HSK - C 40 / ER 32 x 075	50	75	E 32
HSK - C 50 / ER 25 x 070	42	70	E 25
HSK - C 50 / ER 32 x 075	50	75	E 32
HSK - C 50 / ER 40 x 080	63	80	E 40
HSK - C 63 / ER 32 x 075	50	75	E 32
HSK - C 63 / ER 40 x 080	63	80	E 40

HSK - E 刀桿



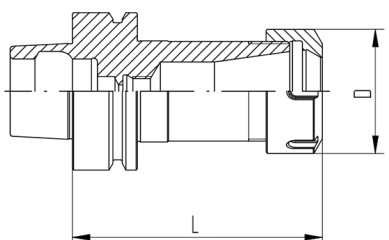
HSK - E / ER



HSK - E / ERM

型號	D	L	FWR	扳手
HSK - E 25 / ERM 16 x 048	22	48		E 16 M
HSK - E 32 / ERM 16 x 060	22	60		E 16 M
HSK - E 32 / ERM 20 x 060	28	60		E 20 M
HSK - E 40 / ER 11 x 060H	19	60	225	E 11 P
HSK - E 40 / ER 16 x 060H	28	60	225	E 16 P
HSK - E 40 / ER 16 x 080H	28	80	225	E 16 P
HSK - E 40 / ERM 20 x 075H	28	75	285	E 20 M
HSK - E 40 / ERM 25 x 080H	35	80	325	E 25 M
HSK - E 50 / ER 16 x 060	28	60		E 16 P
HSK - E 50 / ER 16 x 100H	28	100	325	E 16 P
HSK - E 50 / ER 16 x 160H	28	160	325 / 225	E 16 P
HSK - E 50 / ER 20 x 070H	34	70	325	E 20 P
HSK - E 50 / ER 25 x 080H	42	80	325	E 25
HSK - E 50 / ER 25 x 100H	42	100	325	E 25
HSK - E 50 / ER 32 x 100H	50	100	405	E 32
HSK - E 50 / ER 32 x 160H	50	160	405	E 32
HSK - E 63 / ER 32 x 090H	50	90	405	E 32
HSK - E 63 / ER 40 x 080	63	80		E 40
HSK - E 63 / ER 40 x 120H	63	120	505	E 40

HSK - F 刀桿



型號	D	L	FWR	扳手
HSK - F 63 / ER 16 x 100H	28	100	325	E 16 P
HSK - F 63 / ER 25 x 100H	42	100	325	E 25
HSK - F 63 / ER 32 x 100H	50	100	405	E 32
HSK - F 63 / ER 40 x 120H	63	120	505	E 40

REGO-FIX▲ BT 刀桿

MAS 403 / JIS B 6339 / DIN ISO 7388-2

特性與優點

整體精度 $TIR \leq 3\mu m$

柄徑錐度達到AT3規格

表面粗糙度最大Ra 0.25

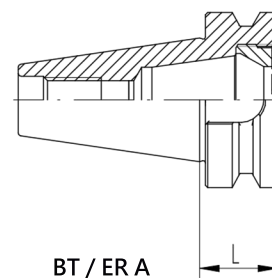
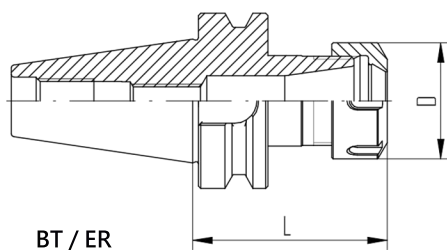
所有刀桿動平衡至G2.5 @25,000rpm/<1gmm

XL加長刀桿動平衡至G2.5 @5000rpm，精度<10um

Hi-Q 動平衡系統

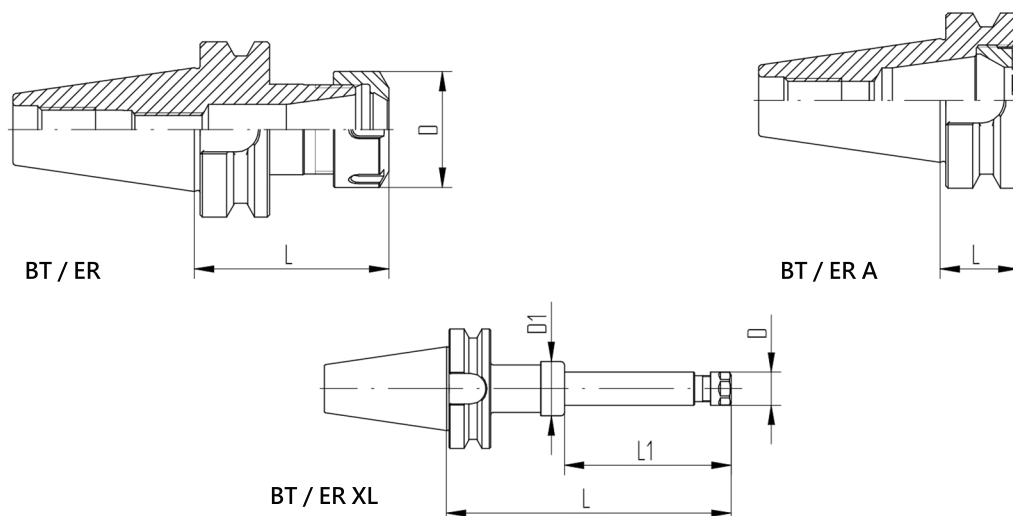
所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，

最高動平衡可調整至80,000rpm



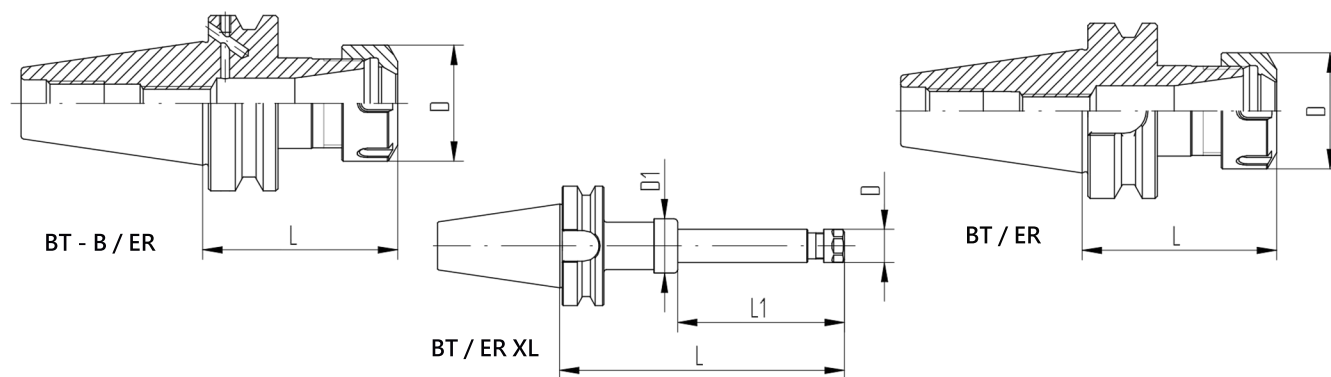
型號	D	D1	L	L1	FWR	扳手
BT 30 / ER 11 x 050	19		50			E 11 P
BT 30 / ER 11 x 100H	19		100		225	E 11 P
BT 30 / ER 16 x 050	28		50			E 16 P
BT 30 / ER 16 x 080H	28		80		285	E 16 P
BT 30 / ER 16 x 100H	28		100		285	E 16 P
BT 30 / ERA 20 x 022			22			E 20 AX
BT 30 / ER 20 x 050	34		50			E 20 P
BT 30 / ER 20 x 070H	34		70		325	E 20 P
BT 30 / ER 20 x 100H	34		100		325	E 20 P
BT 30 / ER 25 x 060H	42		60		325	E 25
BT 30 / ER 25 x 100H	42		100		325	E 25
BT 30 / ER 32 x 060	50		60			E 32
BT 30 / ER 32 x 100H	50		100		405	E 32
BT 30 / ERM 8 x 100	12		100			E 8 M
BT 30 / ERM 11 x 100H	16		100		225	E 11 M

REGO-FIX▲ BT 刀桿



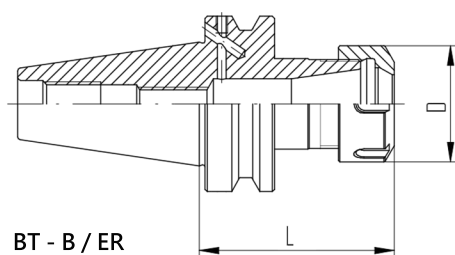
型號	D	D1	L	L1	FWR	扳手
BT 40 / ER 11 x 100H	19		100		285	E 11 P
BT 40 / ER 11 x 160H	19		160		285	E 11 P
BT 40 / ER 16 x 070H	28		70		285	E 16 P
BT 40 / ER 16 x 100H	28		100		285	E 16 P
BT 40 / ER 16 x 160H	28		160		285 / 225	E 16 P
BT 40 / ER 16 x 220XL	28	46	220	140		E 16 P
BT 40 / ER 16 x 260XL	28	46	260	140		E 16 P
BT 40 / ER 16 x 300XL	28	46	300	140		E 16 P
BT 40 / ER 16 x 320XL	28	46	320	240		E 16 P
BT 40 / ER 16 x 360XL	28	46	360	240		E 16 P
BT 40 / ER 16 x 400XL	28	46	400	240		E 16 P
BT 40 / ER 20 x 070H	34		70		325	E 20 P
BT 40 / ER 20 x 100H	34		100		285	E 20 P
BT 40 / ER 20 x 160H	34		160		405 / 285	E 20 P
BT 40 / ER 25 x 070H	42		70		325	E 25
BT 40 / ER 25 x 100H	42		100		405	E 25
BT 40 / ER 25 x 160H	42		160		405 / 325	E 25
BT 40 / ERA32 x 027			27			E 32 AX
BT 40 / ER 32 x 070H	50		70		405	E 32
BT 40 / ER 32 x 100H	50		100		405	E 32
BT 40 / ER 32 x 160H	50		160		405 / 405	E 32
BT 40 / ER 32 x 226XL	50	55	226	140		E 32
BT 40 / ER 32 x 326XL	50	55	326	240		E 32
BT 40 / ER 40 x 080	63		80			E 40
BT 40 / ER 40 x 100H	63		100		505	E 40
BT 40 / ER 40 x 160H	63		160		505 / 505	E 40
BT - B 40 / ER 16 x 070H	28		70		285	E 16 P
BT - B 40 / ER 16 x 100H	28		100		285	E 16 P
BT - B 40 / ER 16 x 160H	28		160		285 / 225	E 16 P

REGO-FIX▲ BT 刀桿



型號	D	D1	L	L1	FWR	扳手
BT - B 40 / ER 20 x 070H	34		70		325	E 20 P
BT - B 40 / ER 20 x 100H	34		100		285	E 20 P
BT - B 40 / ER 20 x 160H	34		160		405 / 285	E 20 P
BT - B 40 / ER 25 x 070H	42		70		325	E 25
BT - B 40 / ER 25 x 100H	42		100		405	E 25
BT - B 40 / ER 25 x 160H	42		160		405 / 325	E 25
BT - B 40 / ER 32 x 070H	50		70		405	E 32
BT - B 40 / ER 32 x 100H	50		100		405	E 32
BT - B 40 / ER 32 x 160H	50		160		405 / 405	E 32
BT - B 40 / ER 40 x 080	63		80			E 40
BT - B 40 / ER 40 x 100H	63		100		505	E 40
BT - B 40 / ER 40 x 160H	63		160		505 / 505	E 40
BT 50 / ER 16 x 100H	28		100		505	
BT 50 / ER 16 x 160H	28		160		505 / 225	E 16 P
BT 50 / ER 16 x 240XL	28	46	240	140		E 16 P
BT 50 / ER 16 x 260XL	28	46	260	140		E 16 P
BT 50 / ER 16 x 300XL	28	46	300	140		E 16 P
BT 50 / ER 16 x 340XL	28	46	340	240		E 16 P
BT 50 / ER 16 x 360XL	28	46	360	240		E 16 P
BT 50 / ER 16 x 400XL	28	46	400	240		E 16 P
BT 50 / ER 20 x 070	34		70			E 20 P
BT 50 / ER 20 x 100H	34		100		325	E 20 P
BT 50 / ER 25 x 070	42		70			E 25
BT 50 / ER 25 x 100H	42		100		405	E 25
BT 50 / ER 25 x 160H	42		160		405 / 325	E 25
BT 50 / ER 32 x 100H	50		100		505	E 32
BT 50 / ER 32 x 160H	50		160		505 / 405	E 32
BT 50 / ER 32 x 200H	50		200		505 / 405	E 32
BT 50 / ER 32 x 240XL	50	55	240	140		E 32
BT 50 / ER 32 x 340XL	50	55	340	240		E 32
BT 50 / ER 40 x 100H	63		100		505	E 40
BT 50 / ER 40 x 160H	63		160		505 / 505	E 40
BT50 / ER 50 x 100	78		100			E 50

REGO-FIX▲ BT 刀桿



型號	D	D1	L	L1	FWR	扳手
BT - B 50 / ER 16 x 100H	28		100		505	E 16 P
BT - B 50 / ER 16 x 160H	28		160		505 / 225	E 16 P
BT - B 50 / ER 20 x 070	34		70			E 20 P
BT - B 50 / ER 20 x 100H	34		100		325	E 20 P
BT - B 50 / ER 25 x 070	42		70			E 25
BT - B 50 / ER 25 x 100H	42		100		405	E 25
BT - B 50 / ER 25 x 160H	42		160		405 / 325	E 25
BT - B 50 / ER 32 x 100H	50		100		505	E 32
BT - B 50 / ER 32 x 160H	50		160		505 / 405	E 32
BT - B 50 / ER 40 x 100H	63		100		505	E 40
BT - B 50 / ER 40 x 160H	63		160		505 / 505	E 40

BT - OM /ER 刀桿 (無驅動槽)

特性與優點

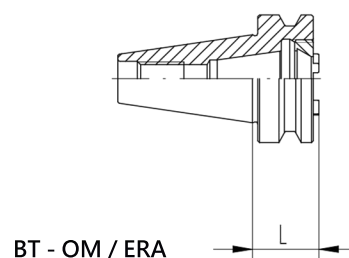
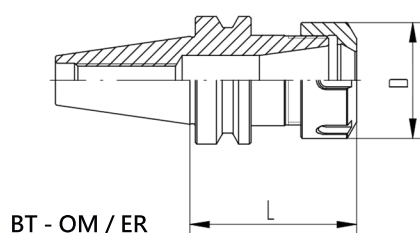
無驅動槽，專為HAAS 與 HURCO切削中心機設計

如需高夾持力的應用(如攻牙，請搭配HIQ/ERB 或 HIQ/ERBC螺帽

所有刀桿動平衡至G2.5 @25,000rpm/<1gmm

所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，

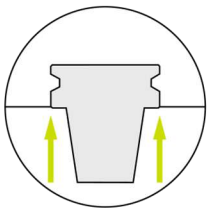
最高動平衡可調整至80,000rpm



型號	D	D1	L	L1	FWR	扳手
BT - OM 30 / ER 16 x 080H	28		80		285	E 16 P
BT - OM 30 / ER 25 x 060H	42		60		325	E 25
BT - OM 30 / ER 32 x 060	50		60			E 32
BT - OM 30 / ERA 20 x 022			22			E 20 AX

REGO-FIX▲

BT+ 兩面拘束刀桿
(BIG Daishowa 授權)



刀柄與主軸的端面接觸和AT1
的錐度精度，達到最佳的剛性

MAS 403 / JIS B 6339 / DIN ISO 7388-2

特性與優點

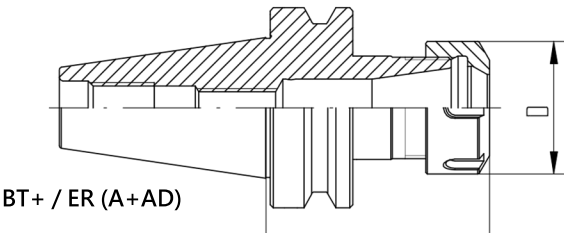
整體精度 TIR ≤ 3um

表面粗糙度最大Ra 0.25

所有刀桿動平衡至G2.5 @25,000rpm/<1gmm

Hi-Q 動平衡系統

所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，
最高動平衡可調整至80,000rpm



型號	D	L	FWR	扳手
BT+ 30 / ER 11 x 100H	19	100	225	E 11 P
BT+ 30 / ER 16 x 050	28	50		E 16 P
BT+ 30 / ER 16 x 080H	28	80	285	E 16 P
BT+ 30 / ER 20 x 050	34	50		E 20 P
BT+ 30 / ER 20 x 070H	34	70	325	E 20 P
BT+ 30 / ER 25 x 060H	42	60	325	E 25
BT+ 30 / ER 32 x 060	50	60		E 32
BT+ 40 / ER 16 x 070H	28	70	285	E 16 P
BT+ 40 / ER 16 x 100H	28	100	285	E 16 P
BT+ 40 / ER 20 x 070H	34	70	325	E 20 P
BT+ 40 / ER 25 x 070H	42	70	325	E 25
BT+ 40 / ER 32 x 070H	50	70	405	E 32
BT+ 40 / ER 32 x 100H	50	100	405	E 32
BT+ 40 / ER 32 x 160H	50	160	405 / 405	E 32
BT+ 50 / ER 32 x 100H	50	100	505	E 32
BT+ 50 / ER 32 x 160H	50	160	505 / 405	E 32

REGO-FIX▲ SK 刀桿

MAS 403 / JIS B 6339 / DIN ISO 7388-2

特性與優點

整體精度 $TIR \leq 3\mu m$ 柄徑錐度達到AT3規格

表面粗糙度最大Ra 0.25

所有刀桿動平衡至G2.5 @25,000rpm/<1gmm

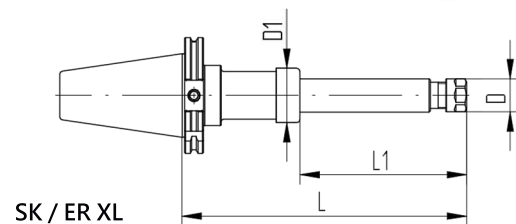
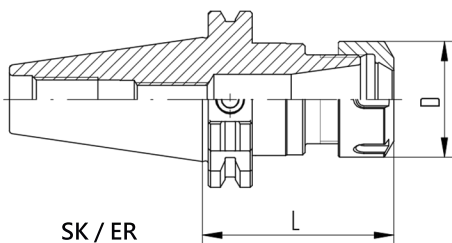
XL刀桿動平衡至G2.5 @5000rpm，精度<10um

Hi-Q 動平衡系統

所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，最高動平衡可調整至80,000rpm

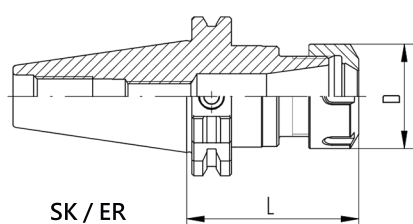
動平衡	
SK 30	平衡至 30,000 min-1
SK 40	G2.5 @25,000 min-1
SK 50	G2.5 @25,000 min-1

10mm ID晶片孔，符合DIN69873標準

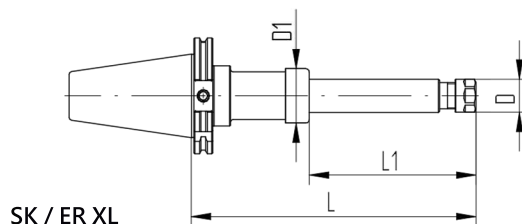


型號	D	D1	L	L1	FWR	扳手
SK 30 / ER 16 x 070H	28		70		285	E 16 P
SK 30 / ER 16 x 100H	28		100		285	E 16 P
SK 30 / ER 25 x 060H	42		60		325	E 25
SK 30 / ER 32 x 063	50		65			E 32
SK 40 / ER 11 x 100H	19		100		325	E 11 P
SK 40 / ER 11 x 160H	19		160		325	E 11 P
SK 40 / ER 16 x 070H	28		70		405	E 16 P
SK 40 / ER 16 x 100H	28		100		405	E 16 P
SK 40 / ER 16 x 160H	28		160		405 / 225	E 16 P
SK 40 / ER 16 x 200H	28		200		405 / 225	E 16 P
SK 40 / ER 16 x 260XL	28	46	260	140		E 16 P
SK 40 / ER 16 x 300XL	28	46	300	140		E 16 P
SK 40 / ER 16 x 320XL	28	46	320	240		E 16 P
SK 40 / ER 16 x 360XL	28	46	360	240		E 16 P
SK 40 / ER 16 x 400XL	28	46	400	240		E 16 P
SK 40 / ER 20 x 070H	34		70		325	E 20 P
SK 40 / ER 20 x 100H	34		100		325	E 20 P

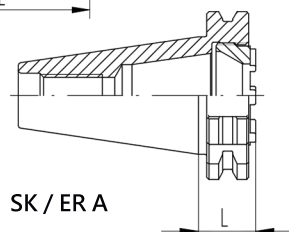
REGO-FIX▲ SK 刀桿



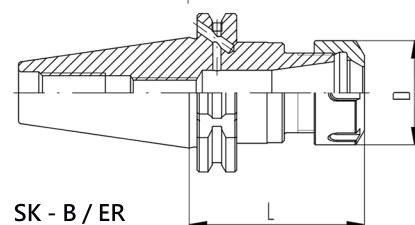
SK / ER



SK / ER XL



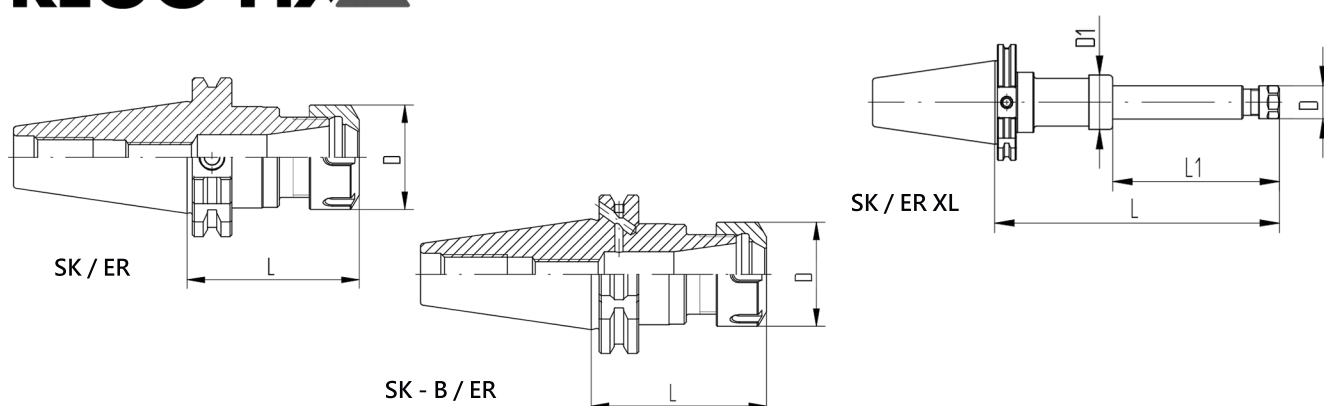
SK / ER A



SK - B / ER

型號	D	D1	L	L1	FWR	扳手
SK 40 / ER 25 x 070H	42		70		405	E 25
SK 40 / ER 25 x 100H	42		100		405	E 25
SK 40 / ER 25 x 160H	42		160		405 / 325	E 25
SK 40 / ER 25 x 200H	42		200		405 / 325	E 25
SK 40 / ERA 32 x 019			19			E 32 AX
SK 40 / ER 32 x 070H	50		70		405	E 32
SK 40 / ER 32 x 100H	50		100		405	E 32
SK 40 / ER 32 x 160H	50		160		405 / 405	E 32
SK 40 / ER 32 x 200H	50		200		405 / 405	E 32
SK 40 / ER 32 x 320XL	50	55	320	240		E 32
SK 40 / ER 40 x 080	63		80			E 40
SK 40 / ER 40 x 100H	63		100		405	E 40
SK 40 / ER 40 x 160H	63		160		505 / 505	E 40
SK - B 40 / ER 11 x 100H	19		100		325	E 11 P
SK - B 40 / ER 11 x 160H	19		160		325	E 11 P
SK - B 40 / ER 16 x 070H	28		70		405	E 16 P
SK - B 40 / ER 16 x 100H	28		100		405	E 16 P
SK - B 40 / ER 16 x 160H	28		160		405 / 225	E 16 P
SK - B 40 / ER 16 x 200H	28		200		405 / 225	E 16 P
SK - B 40 / ER 20 x 070H	34		70		325	E 20 P
SK - B 40 / ER 20 x 100H	34		100		325	E 20 P
SK - B 40 / ER 25 x 070H	42		70		405	E 25
SK - B 40 / ER 25 x 100H	42		100		405	E 25
SK - B 40 / ER 25 x 160H	42		160		405 / 325	E 25
SK - B 40 / ER 25 x 200H	42		200		405 / 325	E 25
SK - B 40 / ER 32 x 070H	50		70		405	E 32
SK - B 40 / ER 32 x 100H	50		100		405	E 32
SK - B 40 / ER 32 x 160H	50		160		405 / 405	E 32
SK - B 40 / ER 32 x 200H	50		200		405 / 405	E 32
SK - B 40 / ER 40 x 080	63		80			E 40
SK - B 40 / ER 40 x 100H	63		100		505	E 40
SK - B 40 / ER 40 x 160H	63		160		505 / 505	E 40

REGO-FIX▲ SK 刀桿



型號	D	D1	L	L1	FWR	扳手
SK 50 / ER 16 x 100H	28		100		505	E 16 P
SK 50 / ER 16 x 160H	28		160		505 / 225	E 16 P
SK 50 / ER 16 x 200H	28		200		505 / 225	E 16 P
SK 50 / ER 16 x 240XL	28	46	240	140		E 16 P
SK 50 / ER 16 x 300XL	28	46	300	140		E 16 P
SK 50 / ER 16 x 340XL	28	46	340	240		E 16 P
SK 50 / ER 16 x 400XL	28	46	400	240		E 16 P
SK 50 / ER 20 x 070H	34		70		325	E 20 P
SK 50 / ER 20 x 100H	34		100		325	E 20 P
SK 50 / ER 25 x 070H	42		70		405	E 25
SK 50 / ER 25 x 100H	42		100		405	E 25
SK 50 / ER 25 x 160H	42		160		405 / 325	E 25
SK 50 / ER 25 x 200H	42		200		405 / 325	E 25
SK 50 / ER 32 x 100H	50		100		505	E 32
SK 50 / ER 32 x 160H	50		160		505 / 405	E 32
SK 50 / ER 32 x 200H	50		200		505 / 405	E 32
SK 50 / ER 32 x 320 XL	50	55	320	240		E 32
SK 50 / ER 40 x 100H	63		100		505	E 40
SK 50 / ER 40 x 160H	63		160		505 / 505	E 40
SK 50 / ER 40 x 200H	63		200		505 / 505	E 40
SK 50 / ER 50 x 100	78		100			
SK - B 50 / ER 16 x 100H	28		100		505	E 16 P
SK - B 50 / ER 16 x 160H	28		160		505 / 225	E 16 P
SK - B 50 / ER 16 x 200H	28		200		505 / 225	E 16 P
SK - B 50 / ER 20 x 070H	34		70		325	E 20 P
SK - B 50 / ER 20 x 100H	34		100		325	E 20 P
SK - B 50 / ER 25 x 070H	42		70		405	E 25
SK - B 50 / ER 25 x 100H	42		100		405	E 25
SK - B 50 / ER 25 x 160H	42		160		405 / 325	E 25
SK - B 50 / ER 25 x 200H	42		200		405 / 325	E 25
SK - B 50 / ER 32 x 100H	50		100		505	E 32
SK - B 50 / ER 32 x 160H	50		160		505 / 405	E 32
SK - B 50 / ER 32 x 200H	50		200		505 / 405	E 32
SK - B 50 / ER 40 x 100H	63		100		505	E 40
SK - B 50 / ER 40 x 160H	63		160		505 / 505	E 40
SK - B 50 / ER 40 x 200H	63		200		505 / 505	E 40

REGO-FIX▲ CAPTO 刀桿

Sandvik Coromant授權

ISO 12164

特性與優點

整體精度 $TIR \leq 3\mu m$

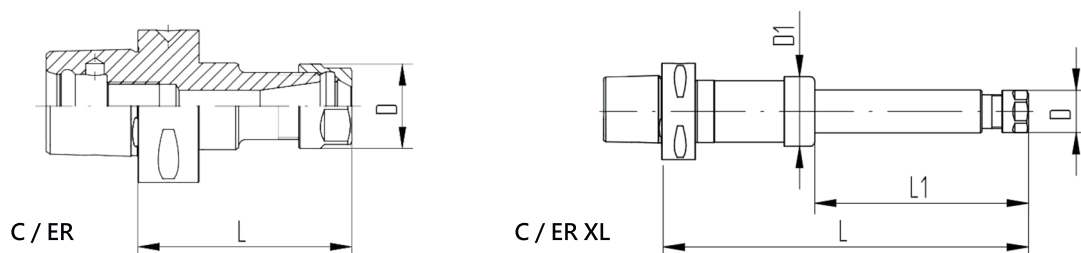
表面粗糙度最大 $Ra\ 0.25$

所有刀桿動平衡至 $G2.5\ @25,000rpm / <1gmm$

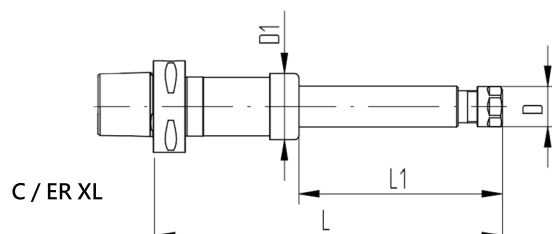
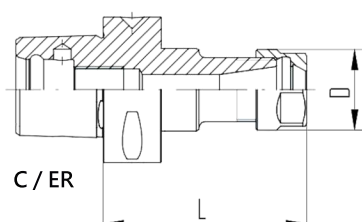
XL加長刀桿平衡至 $G2.5\ @5,000rpm$ ，偏擺 $< 一條$

Hi-Q 動平衡系統

所有型號末碼H的刀桿均可搭配Hi-Q動平衡環使用，最高動平衡可調整至80,000rpm



型號	D	D1	L	L1	FWR	扳手
C3 / ER 16 x 045	28		45			E 16 P
C3 / ER 20 x 045	34		45			E 20 P
C4 / ER 16 x 070	28		70			E 16 P
C4 / ER 20 x 052	34		52			E 20 P
C4 / ER 25 x 052	42		52			E 25
C4 / ER 32 x 054	50		54			E 32
C5 / ER 16 x 070H	28		70		285	E 16 P
C5 / ER 16 x 100H	28		100		285	E 16 P
C5 / ER 20 x 055	34		55			E 20 P
C5 / ER 20 x 100H	34		100		325	E 20 P
C5 / ER 25 x 055	42		55			E 25
C5 / ER 25 x 100H	42		100		405	E 25
C5 / ER 32 x 057	50		57			E 32
C5 / ER 32 x 070H	50		70		405	E 32
C5 / ER 32 x 100H	50		100		405	E 32



型號	D	D1	L	L1	FWR	扳手
C6 / ER 11 x 150H	19		150		325	E 11 P
C6 / ER 16 x 070H	28		70		325	E 16 P
C6 / ER 16 x 100H	28		100		325	E 16 P
C6 / ER 16 x 150H	28		150		325	E 16 P
C6 / ER 16 x 225XL	28	46	225	140		E 16 P
C6 / ER 16 x 240XL	28	46	240	140		E 16 P
C6 / ER 16 x 260XL	28	46	260	140		E 16 P
C6 / ER 16 x 300XL	28	46	300	140		E 16 P
C6 / ER 16 x 325XL	28	46	325	140		E 16 P
C6 / ER 16 x 340XL	28	46	340	140		E 16 P
C6 / ER 16 x 360XL	28	46	360	140		E 16 P
C6 / ER 16 x 400XL	28	46	400	140		E 16 P
C6 / ER 20 x 060	34		60			E 20 P
C6 / ER 25 x 060	42		60			E 25
C6 / ER 25 x 100H	42		100		405	E 25
C6 / ER 25 x 130H	42		130		405	E 25
C6 / ER 32 x 060	50		60			E 32
C6 / ER 32 x 070H	50		70		405	E 32
C6 / ER 32 x 100H	50		100		505	E 32
C6 / ER 32 x 230XL	50	55	230	140		E 32
C6 / ER 32 x 330XL	50	55	330	240		E 32
C6 / ER 40 x 065	63		65			E 40
C8 / ER 16 x 232XL	28	46	232	140		E 16 P
C8 / ER 16 x 332XL	28	46	332	240		E 16 P
C8 / ER 25 x 070	42		70			E 25
C8 / ER 32 x 070	50		70			E 32
C8 / ER 32 x 230XL	50	55	230	240		E 32
C8 / ER 32 x 330XL	50	55	330	240		E 32
C8 / ER 40 x 070	63		70			E 40
C8 / ER 50 x 080	78		80			E 50

REGO-FIX▲ CYL 直柄刀桿

CYL / CYLF / CYDF

特性與優點

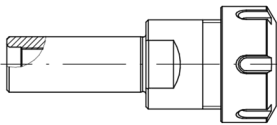
CYL / ERM與 CYL / ERMX 偏擺 $\leq 3\mu\text{m}$

CYLF / ERM與 CYLF / ERMX 偏擺 $\leq 5\mu\text{m}$

CYDF / ERM與 CYDF / ERMX 偏擺 $\leq 5\mu\text{m}$

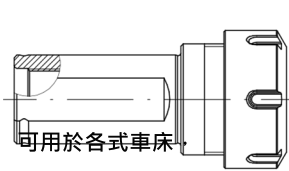
表面粗糙度最大Ra 0.25

CYL / ER



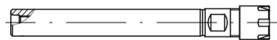
短身設計，適用於多角車床

CYL / ER NC



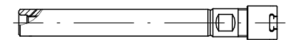
可用於各式車床

CYL / ERM



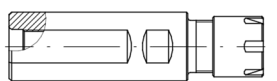
適用於瑞士製自動化機床，切削中心機與傳統機床，可當延長桿使用

CYL / ERMX



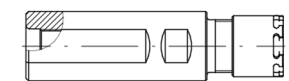
適用於瑞士製自動化機床，切削中心機與傳統機床。螺帽有防脫滑設計，可當延長桿使用

CYLF / ERM



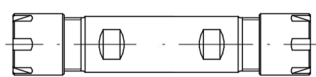
有側固平面，專為全自動數控機床設計，如NOMURA、CITIZEN、MANURHIN、STAR與TORNOS等。不可做延長桿使用

CYLF / ERMX



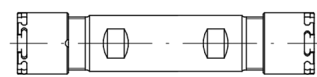
有側固平面，專為全自動數控機床設計，如NOMURA、CITIZEN、MANURHIN、STAR與TORNOS等。螺帽有防脫滑設計，避免因扳手滑脫造成傷害。不可做延長桿使用

CYDF / ERM



能夠在一個刀桿上夾持兩支刀具

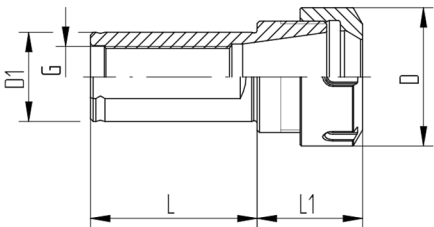
CYDF / ERMX



能夠在一個刀桿上夾持兩支刀具，有防脫落螺帽，避免因扳手滑脫造成傷害



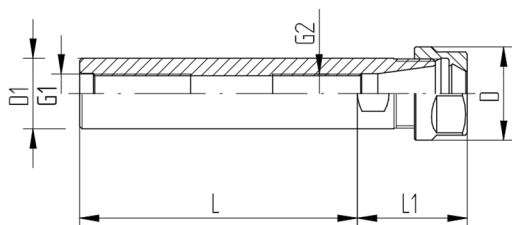
CYL / ERNC 刀桿



型號	D	D1h6	L	L1	G	扳手
CYL 32 x 060 / ER NC 25	42	32	60	32	M18 x 1.5	E 25
CYL 32 x 060 / ER NC 32	50	32	60	38	M22 x 1.5	E 32
CYL 40 x 080 / ER NC 32	50	40	80	39	M22 x 1.5	E 32
CYL 40 x 075 / ER NC 40	63	40	75	55	M22 x 1.5	E 40

REGO-FIX▲ CYL 直柄刀桿

CYL / ER刀桿

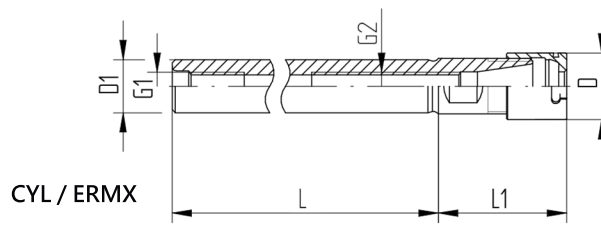
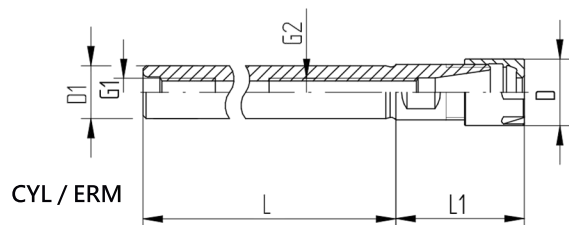


型號	D	D1h6	L	L1	G1	G2	扳手
CYL 1/2" x 070 / ER 11	19	12.7	70	28.5	M6	M6	E 11 P
CYL 1/2" x 100 / ER 16	28	12.7	100	36	M6	M6	E 16 P
CYL 1/2" x 100 / ER 20	34	12.7	100	44.5	M6	M6	E 20 P
CYL 14 x 060 / ER 16	28	14	60	36.5	M6	M6	E 16 P
CYL 16 x 060 / ER 16	28	16	60	36.5	M8 x 1		E 16 P
CYL 5/8" x 060 / ER 16	28	15.875	60	36.5	M8 x 1		E 16 P
CYL 5/8" x 100 / ER 20	34	15.875	100	44.5	M8 x 1	M8 x 1	E 20 P
CYL 3/4" x 050 / ER 16	28	19.05	50	30.5	M12 x 1		E 16 P
CYL 3/4" x 100 / ER 16	28	19.05	100	30.5	M12 x 1	M11 x 1	E 16 P
CYL 3/4" x 060 / ER 20	34	19.05	60	36.5	M12 x 1		E 20 P
CYL 3/4" x 050 / ER 25	42	19.05	50	47	M12 x 1		E 25
CYL 20 x 050 / ER 16	28	20	50	30.5	M12 x 1		E 16 P
CYL 20 x 100 / ER 16	28	20	100	30.5	M12 x 1	M11 x 1	E 16 P
CYL 20 x 030 / ER 20	34	20	30	36.5	M12 x 1		E 20 P
CYL 20 x 060 / ER 20	34	20	60	36.5	M12 x 1		E 20 P
CYL 20 x 050 / ER 25	42	20	50	47	M12 x 1		E 25
CYL 20 x 100 / ER 25	42	20	100	47	M12 x 1	M12 x 1	E 25
CYL 20 x 050 / ER 32	50	20	50	54	M12 x 1		E 32
CYL 20 x 100 / ER 32	50	20	100	54	M12 x 1	M12 x 1	E 32
CYL 25 x 050 / ER 25	42	25	50	47	M18 x 1.5		E 25
CYL 25 x 100 / ER 25	42	25	100	47	M18 x 1.5	M18 x 1.5	E 25
CYL 25 x 050 / ER 32	50	25	50	54	M18 x 1.5		E 32
CYL 25 x 050 / ER 40	63	25	50	60	M18 x 1.5		E 40
CYL 1" x 100 / ER 20	34	25.4	100	39.5	M 14 x 1	M 14 x 1	E 20 P
CYL 1" x 050 / ER25	42	25.4	50	47	M 18 x 1.5		E 25
CYL 1" x 100 / ER 25	42	25.4	100	47	M 18 x 1.5	M 18 x 1.5	E 25
CYL 1" x 050 / ER 32	50	25.4	50	53	M 18 x 1.5		E 32
CYL 1" x 050 / ER 40	63	25.4	50	60	M 18 x 1.5		E 40
CYL 30 x 050 / ER 25	42	30	50	42	M 18 x 1.5		E 25
CYL 1 1/4" x 060 / ER 32	50	31.75	60	53	M22 x 1.5		E 32

REGO-FIX▲ CYL 直柄刀桿

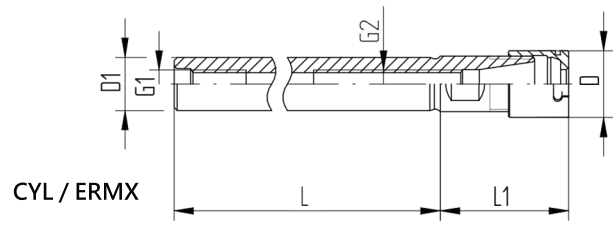
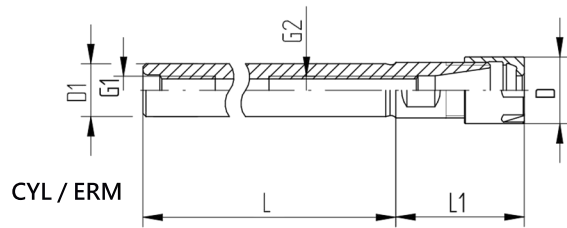
CYL / ERM刀桿

CYL / ERMX 刀桿



型號	D	D1h6	L	L1	G1	G2	扳手
CYL 6 x 045 / ERM 11	16	6	45	26.5			E 11 M
CYL 6 x 045 / ERMX 11	16	6	45	26.5			E 11 MX
CYL 7 x 045 / ERM 11	16	7	45	26.5			E 11 M
CYL 7 x 045 / ERMX 11	16	7	45	26.5			E 11 MX
CYL 8 x 080 / ERM 8	12	8	80	26	M5		E 8 M
CYL 8 x 080 / ERMX 8	12	8	80	26	M5		E 8 MX
CYL 8 x 056 / ERM 11	16	8	56	26.5	M5		E 11 M
CYL 8 x 056 / ERMX 11	16	8	56	26.5	M5		E 11 MX
CYL 3/8" x 070 / ERM 8	12	9.525	70	23	M5		E 8 M
CYL 3/8" x 070 / ERMX 8	12	9.525	70	23	M5		E 8 MX
CYL 10 x 060 / ERM 16	22	10	60	38.5	M5		E 16 M
CYL 10 x 060 / ERMX 16	22	10	60	38.5	M5		E 16 MX
CYL 12 x 080 / ERM 8	12	12	80	17	M5		E 8 M
CYL 12 x 080 / ERMX 8	12	12	80	17	M5		E 8 MX
CYL 12 x 080 / ERM 16	22	12	80	38.5	M5		E 16 M
CYL 12 x 080 / ERMX 16	22	12	80	38.5	M5		E 16 MX
CYL 1/2" x 140 / ERM 11	16	12.7	140	29.5	M6		E 11 M
CYL 1/2" x 140 / ERMX 11	16	12.7	140	29.5	M6		E 11 MX
CYL 1/2" x 140 / ERM 16	22	12.7	140	37	M6		E 16 M
CYL 1/2" x 140 / ERMX 16	22	12.7	140	37	M6		E 16 MX
CYL 16 x 150 / ERM 11	16	16	150	21	M8 x 1	M8 x 1	E 11 M
CYL 16 x 150 / ERMX 11	16	16	150	21	M8 x 1	M8 x 1	E 11 MX
CYL 16 x 100 / ERM 20	28	16	100	42.5	M8 x 1		E 20 M
CYL 16 x 100 / ERMX 20	28	16	100	42.5	M8 x 1		E 20 MX
CYL 5/8" x 150 / ERM 11	16	15.875	150	19.5	M8 x 1	M8 x 1	E 11 M
CYL 5/8" x 150 / ERMX 11	16	15.875	150	19.5	M8 x 1	M8 x 1	E 11 MX

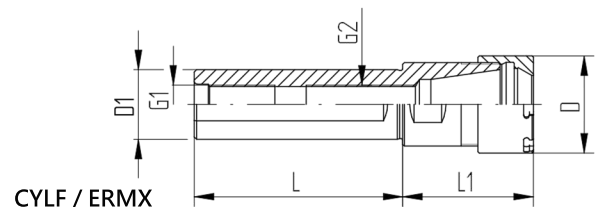
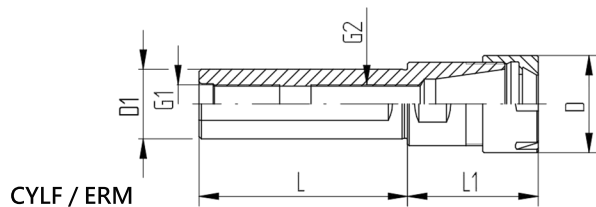
REGO-FIX▲ CYL 直柄刀桿



型號	D	D1h6	L	L1	G1	G2	扳手
CYL 4/3" x 155 / ERM 16	22	19.05	155	26.5	M12 x 1		E 16 M
CYL 4/3" x 155 / ERMX 16	22	19.05	155	26.5	M12 x 1		E 16 MX
CYL 4/3" x 100 / ERM 25	35	19.05	100	47	M12 x 1	M12 x 1	E 25 M
CYL 4/3" x 100 / ERMX 25	35	19.05	100	47	M12 x 1	M12 x 1	E 25 MX
CYL 20 x 155 / ERM 16	22	20	155	25.5	M12 x 1	M 11 x 1	E 16 M
CYL 20 x 155 / ERMX 16	22	20	155	25.5	M12 x 1	M 11 x 1	E 16 MX
CYL 25 x 155 / ERM 20	28	25	155	27	M 14 x 1	M 14 x 1	E 20 M
CYL 25 x 155 / ERMX 20	28	25	155	27	M 14 x 1	M 14 x 1	E 20 MX
CYL 1" x 155 / ERM 20	28	25.4	155	27	M 14 x 1	M 14 x 1	E 20 M
CYL 1" x 155 / ERM 20	28	25.4	155	27	M 14 x 1	M 14 x 1	E 20 MX

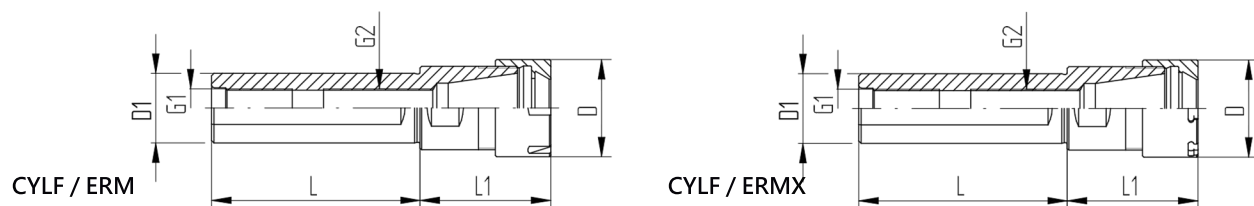
CYLF / ERM刀桿

CYLF / ERMX 刀桿



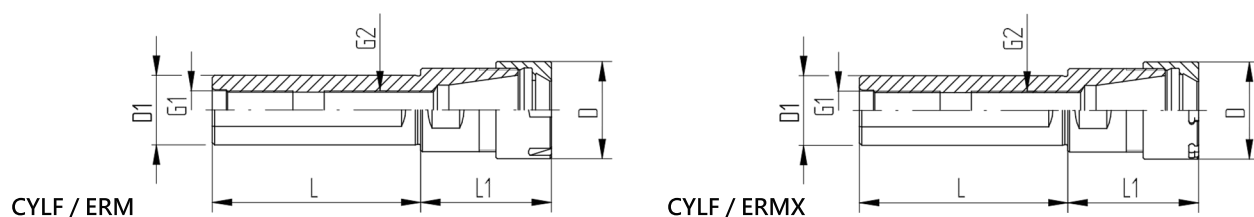
型號	D	D1h6	L	L1	G1	G2	扳手
CYLF 12 x 043 / ERM 8	12	12	43	17	M5		E 8 M
CYLF 12 x 043 / ERMX 8	12	12	43	17	M5		E 8 MX
CYLF 5/8" x 043 / ERM 8	12	15.875	43	15.5	M5	M5	E 8 M
CYLF 5/8" x 043 / ERMX 8	12	15.875	43	15.5	M5	M5	E 8 MX
CYLF 16 x 038 / ERM 11	16	16	38	19.5	M8 x 1		E 11 M
CYLF 16 x 038 / ERMX 11	16	16	38	19.5	M8 x 1		E 11 MX
CYLF 16 x 050 / ERM 11	16	16	50	19.5			E 11 M
CYLF 16 x 050 / ERMX 11	16	16	50	19.5			E 11 MX
CYLF 16 x 140 / ERM 11	16	16	140	19.5	M8 x 1	M8 x 1	E 11 M
CYLF 16 x 140 / ERMX 11	16	16	140	19.5	M8 x 1	M8 x 1	E 11 MX
CYLF 16 x 035 / ERM 16	22	16	35	36	M8 x 1		E 16 M
CYLF 16 x 035 / ERMX 16	22	16	35	36	M8 x 1		E 16 MX

REGO-FIX ▲ CYL 直柄刀桿



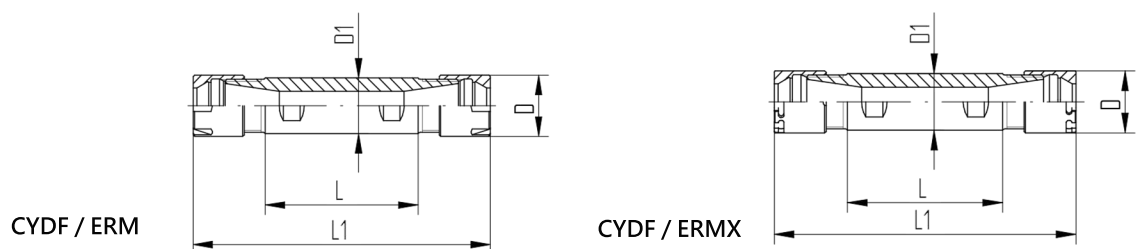
型號	D	D1h6	L	L1	G1	G2	扳手
CYLF 3/4" x 115 / ERM 11	16	19.05	115	19.5	M8 x 1	M8 x 1	E 11 M
CYLF 3/4" x 115 / ERMX 11	16	19.05	115	19.5	M8 x 1	M8 x 1	E 11 MX
CYLF 3/4" x 038 / ERM 16	22	19.05	38	27.5	M12 x 1		E 16 M
CYLF 3/4" x 038 / ERMX 16	22	19.05	38	27.5	M12 x 1		E 16 MX
CYLF 3/4" x 050 / ERM 16	22	19.05	50	25	M12 x 1		E 16 M
CYLF 3/4" x 050 / ERMX 16	22	19.05	50	25	M12 x 1		E 16 MX
CYLF 3/4" x 070 / ERM 16	22	19.05	70	29.5	M12 x 1		E 16 M
CYLF 3/4" x 070 / ERMX 16	22	19.05	70	29.5	M12 x 1		E 16 MX
CYLF 3/4" x 120 / ERM 16	22	19.05	120	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 3/4" x 120 / ERMX 16	22	19.05	120	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 3/4" x 140 / ERM 16	22	19.05	140	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 3/4" x 140 / ERMX 16	22	19.05	140	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 20 x 060 / ERM 11	16	20	60	19.5	M8 x 1		E 11 M
CYLF 20 x 060 / ERMX 11	16	20	68	19.5	M8 x 1		E 11 MX
CYLF 20 x 038 / ERM 16	22	20	38	26.5	M12 x 1		E 16 M
CYLF 20 x 038 / ERMX 16	22	20	38	26.5	M12 x 1		E 16 MX
CYLF 20 x 050 / ERM 16	22	20	50	27.5	M12 x 1		E 16 M
CYLF 20 x 050 / ERMX 16	22	20	50	27.5	M12 x 1		E 16 MX
CYLF 20 x 070 / ERM 16	22	20	70	27.5	M12 x 1		E 16 M
CYLF 20 x 070 / ERMX 16	22	20	70	27.5	M12 x 1		E 16 MX
CYLF 20 x 120 / ERM 16	22	20	120	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 20 x 120 / ERMX 16	22	20	120	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 20 x 140 / ERM 16	22	20	140	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 20 x 140 / ERMX 16	22	20	140	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 22 x 038 / ERM 16	22	22	38	27.5	M12 x 1		E 16 M
CYLF 22 x 038 / ERMX 16	22	22	38	27.5	M12 x 1		E 16 MX
CYLF 22 x 070 / ERM 16	22	22	70	27.5	M12 x 1		E 16 M
CYLF 22 x 070 / ERMX 16	22	22	70	27.5	M12 x 1		E 16 MX
CYLF 22 x 100 / ERM 16	22	22	100	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 22 x 100 / ERMX 16	22	22	100	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 22 x 080 / ERM 20	28	22	80	39	M12 x 1	M12 x 1	E 20 M
CYLF 22 x 080 / ERMX 20	28	22	80	39	M12 x 1	M12 x 1	E 20 MX
CYLF 22 x 070 / ERM 25	35	22	70	47	M12 x 1	M12 x 1	E 25 M
CYLF 25 x 065 / ERM 16	22	25	65	27.5	M12 x 1		E 16 M
CYLF 25 x 065 / ERMX 16	22	25	65	27.5	M12 x 1		E 16 MX
CYLF 25 x 100 / ERM 20	28	25	100	28	M 14 x 1	M 14 x 1	E 20 M
CYLF 25 x 100 / ERMX 20	28	25	100	28	M 14 x 1	M 14 x 1	E 20 MX
CYLF 25 x 154 / ERM 20	28	25	154	28	M 14 x 1	M 14 x 1	E 20 M

REGO-FIX▲ CYL 直柄刀桿



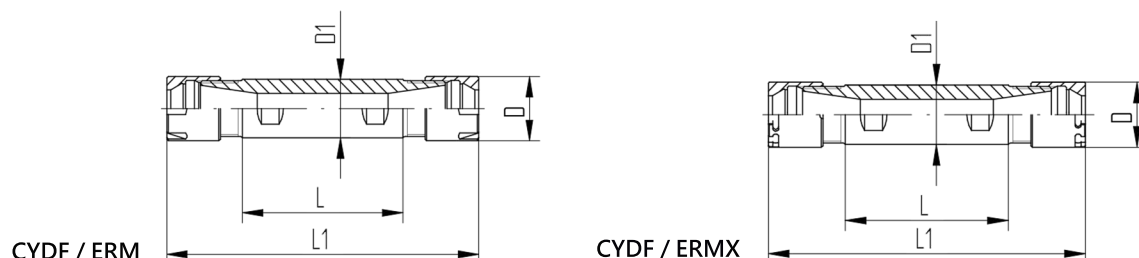
型號	D	D1h6	L	L1	G1	G2	扳手
CYLF 25 x 154 / ERMX 20	28	25	154	28	M 14 x 1	M 14 x 1	E 20 MX
CYLF 25 x 075 / ERM 25	35	25	75	47	M 14 x 1	M 14 x 1	E 25 M
CYLF 25 x 075 / ERMX 25	35	25	75	47	M 14 x 1	M 14 x 1	E 25 MX
CYLF 25 x 145 / ERM 25	35	25	145	36	M 14 x 1	M 14 x 1	E 25 M
CYLF 25 x 145 / ERMX 25	35	25	145	36	M 14 x 1	M 14 x 1	E 25 MX
CYLF 1" x 033 / ERM 16	22	25.4	33	28	M12 x 1		E 16 M
CYLF 1" x 033 / ERMX 16	22	25.4	33	28	M12 x 1		E 16 MX
CYLF 1" x 065 / ERM 16	22	25.4	65	27.5	M12 x 1		E 16 M
CYLF 1" x 065 / ERMX 16	22	25.4	65	27.5	M12 x 1		E 16 MX
CYLF 1" x 075 / ERM 16	22	25.4	75	27.5	M12 x 1		E 16 M
CYLF 1" x 075 / ERMX 16	22	25.4	75	27.5	M12 x 1		E 16 MX
CYLF 1" x 100 / ERM 16	22	25.4	100	27.5	M12 x 1	M11 x 1	E 16 M
CYLF 1" x 100 / ERMX 16	22	25.4	100	27.5	M12 x 1	M11 x 1	E 16 MX
CYLF 1" x 100 / ERM 20	28	25.4	100	27.5	M 14 x 1	M 14 x 1	E 20 M
CYLF 1" x 100 / ERMX 20	28	25.4	100	27.5	M 14 x 1	M 14 x 1	E 20 MX
CYLF 1" x 140 / ERM 20	28	25.4	140	27.5	M 14 x 1	M 14 x 1	E 20 M
CYLF 1" x 140 / ERMX 20	28	25.4	140	27.5	M 14 x 1	M 14 x 1	E 20 MX
CYLF 32 x 070 / ERM 25	35	32	70	30	M18 x 1.5		E 25 M
CYLF 32 x 070 / ERMX 25	35	32	70	30	M18 x 1.5		E 25 MX

CYDF 直柄刀桿



型號	D	D1h6	L	L1	扳手
CYDF 12 x 015 / ERM 8	12	12	15	46	E 8 M
CYDF 12 x 015 / ERMX 8	12	12	15	46	E 8 MX
CYDF 12 x 025 / ERM 8	12	12	25	56	E 8 M
CYDF 12 x 025 / ERMX 8	12	12	25	56	E 8 MX
CYDF 5/8" x 015 / ERM 8	12	15.875	15	46	E 8 M
CYDF 5/8" x 025 / ERM 8	12	15.875	25	56	E 8 M
CYDF 5/8" x 025 / ERMX 8	12	15.875	25	56	E 8 MX

REGO-FIX▲ CYDF 直柄刀桿



型號	D	D1h6	L	L1	扳手
CYDF 16 x 040 / ERM 11	16	16	40	79	E 11 M
CYDF 16 x 040 / ERMX 11	16	16	40	79	E 11 MX
CYDF 16 x 050 / ERM 11	16	16	50	89	E 11 M
CYDF 16 x 050 / ERMX 11	16	16	50	89	E 11 MX
CYDF 3/4" x 040 / ERM 11	16	19.05	40	79	E 11 M
CYDF 3/4" x 040 / ERMX 11	16	19.05	40	79	E 11 MX
CYDF 3/4" x 070 / ERM 11	16	19.05	70	109	E 11 M
CYDF 3/4" x 070 / ERMX 11	16	19.05	70	109	E 11 MX
CYDF 3/4" x 090 / ERM 11	16	19.05	90	129	E 11 M
CYDF 3/4" x 090 / ERMX 11	16	19.05	90	129	E 11 MX
CYDF 3/4" x 055 / ERM 16	22	19.05	55	107	E 16 M
CYDF 3/4" x 055 / ERMX 16	22	19.05	55	107	E 16 MX
CYDF 20 x 030 / ERM 11	16	20	30	69	E 11 M
CYDF 20 x 030 / ERMX 11	16	20	30	69	E 11 MX
CYDF 20 x 050 / ERM 11	16	20	50	89	E 11 M
CYDF 20 x 050 / ERMX 11	16	20	50	89	E 11 MX
CYDF 20 x 055 / ERM 16	22	20	55	107	E 16 M
CYDF 20 x 055 / ERMX 16	22	20	55	107	E 16 MX
CYDF 22 x 150 / ERM 11	16	22	150	189	E 11 M
CYDF 22 x 040 / ERM 16	22	22	40	80	E 16 M
CYDF 22 x 055 / ERM 16	22	22	55	110	E 16 M
CYDF 22 x 055 / ERMX 16	22	22	55	110	E 16 MX
CYDF 22 x 075 / ERM 16	22	22	75	130	E 16 M
CYDF 22 x 075 / ERMX 16	22	22	75	130	E 16 MX
CYDF 25 x 062 / ERM 16	22	25	62	117	E 16 M
CYDF 25 x 062 / ERMX 16	22	25	62	117	E 16 MX
CYDF 1" x 030 / ERM 16	22	25.4	30	86	E 16 M
CYDF 1" x 030 / ERMX 16	22	25.4	30	86	E 16 MX
CYDF 1" x 062 / ERM 16	22	25.4	62	117	E 16 M
CYDF 1" x 062 / ERMX 16	22	25.4	62	117	E 16 MX
CYDF 32 x 055 / ERM 20	28	32	55	110	E 20 M
CYDF 32 x 055 / ERMX 20	28	32	55	110	E 20 MX
CYDF 32 x 075 / ERM 20	28	32	75	130	E 20 M
CYDF 32 x 075 / ERMX 20	28	32	75	130	E 20 MX

REGO-FIX▲ 浮動夾頭

自動定心: 當在車床上絞孔時，可補償夾具與加工孔間的軸向誤差

優點和特性:

浮動阻力可調 -

可在自動定心和自由浮動間無級調節，浮動不受限制

調節刀具重量 -

透過調節浮動阻力，可實現刀具的最佳設置

垂直和水平應用 -

即使是水平方向，可調式自動定心，也可將刀具保持在浮動夾頭的中心，防止出現顫痕，延長刀具壽命

滾珠軸承和滑動軸承的組合 -

滾珠軸承在一般加工中進行平滑的絞孔

滑動軸承在高負荷加工中抵抗高強度壓力

雙重密封 -

防止冷卻液和切屑進入浮動夾頭



浮動夾頭原理

PH / ER 浮動夾頭

// 特殊設計使刀具能在水平和垂直方向自動定心

// 自動定心讓絞刀和絲攻能精確定位。在水平加工的過程特別重要，水平加工時，刀具的重量會使其偏離主軸中心點

// 可順時鐘也可逆時鐘旋轉，浮動始終平行主軸

PHC / ER 浮動夾頭

// 專為中心出水刀具設計，具有PH / ER浮動夾頭相同優勢

PHC - C / ER 浮動夾頭

// SANDVIK 授權，用於CAPTO主軸

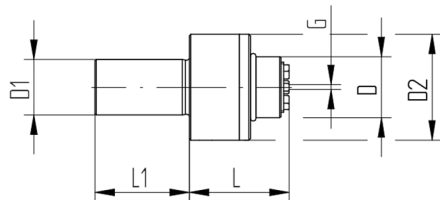
MPH / ERMX 浮動夾頭

// 用於小型機台，或小行程的機床

MPH / ERMXC

// 中心出水夾頭，常用於現代的絞孔加工

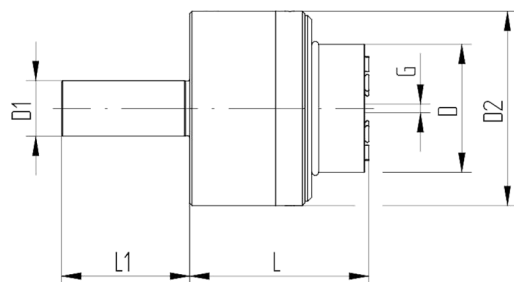
PH / ER 浮動夾頭



型號	D	D1h6	D2	L	L1	G	扳手
PH 5/8" / ER 11	22	15.88	38	36	34	0.8	E 11 AX
PH16 / ER 11	22	16	38	36	34	0.8	E 11 AX
PH 3/4" / ER 11	22	19.05	38	36	34	0.8	E 11 AX
PH 20 / ER 11	22	20	38	36	34	0.8	E 11 AX
PH 22 / ER 11	22	22	38	36	34	0.8	E 11 AX

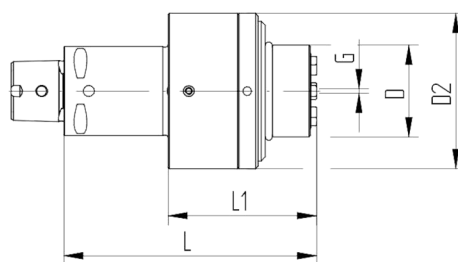
REGO-FIX▲ 浮動夾頭

PHC / ER 浮動夾頭



型號	D	D1h6	D2	L	L1	G	扳手
PHC 5/8" / ER 20	33	15.88	56	53.5	38	1	E 20 AX
PHC 16 / ER 20	33	16	56	53.5	38	1	E 20 AX
PHC 3/4" / ER 20	33	19.05	56	53.5	38	1	E 20 AX
PHC 3/4" / ER 32	46	19.05	70	64.5	46	1.5	E 32 AX
PHC 20 / ER 20	33	20	56	53.5	38	1	E 20 AX
PHC 20 / ER 32	46	20	70	64.5	46	1.5	E 32 AX
PHC 22 / ER 20	33	22	56	53.5	38	1	E 20 AX
PHC 22 / ER 32	46	22	70	64.5	46	1.5	E 32 AX
PHC 25 / ER 20	33	25	56	53.5	38	1	E 20 AX
PHC 25 / ER 32	46	25	70	64.5	46	1.5	E 32 AX
PHC 1" / ER 20	33	25.4	56	53.5	38	1	E 20 AX
PHC 1" / RE 32	46	25.4	70	64.5	46	1.5	E 32 AX
PHC 1 1/4" / ER32	46	31.75	70	64.5	46	1.5	E 32 AX
PHC 32 / ER 32	46	32	70	64.5	46	1.5	E 32 AX
PHC 1 3/4" / ER 32	46	44.45	70	64.5	46	1.5	E 32 AX

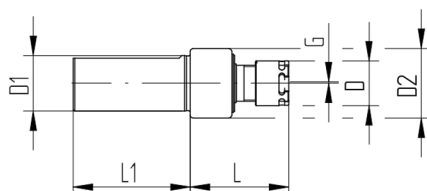
PHC - C / ER 浮動夾頭



型號	D	D2	L	L1	G	扳手
PHC - C3 / ER 20	33	56	91	53.5	0.8	E 20 AX
PHC - C4 / ER 20	33	56	91	56.5	0.8	E 20 AX
PHC - C4 / ER 32	46	70	100	63	0.8	E 32 AX

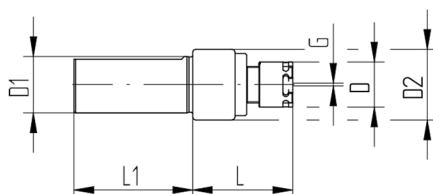
REGO-FIX▲ 浮動夾頭

MPH / ERMX 浮動夾頭



型號	D	D1h6	D2	L	L1	G	扳手
MPH 8 / ERMX 11	16	8	25	35.5	42	0.5	E 11 MX
MPH 10 / ERMX 11	16	10	25	35.5	42	0.5	E 11 MX
MPH 16 / ERMX 11	16	16	25	35.5	42	0.5	E 11 MX
MPH 3/4" / ERMX 11	16	19.05	25	35.5	42	0.5	E 11 MX
MPH 20 / ERMX 11	16	20	25	35.5	42	0.5	E 11 MX
MPH 22 / ERMX 11	16	22	25	35.5	42	0.5	E 11 MX
MPH 25 / ERMX 11	16	25	25	35.5	42	0.5	E 11 MX
MPH 1" / ERMX 11	16	25.4	25	35.5	42	0.5	E 11 MX

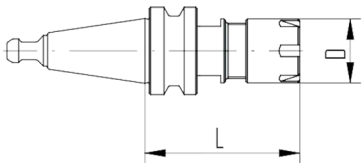
MPHC / ERMX 浮動夾頭



型號	D	D1h6	D2	L	L1	G	扳手
MPHC 8 / ERMX 11	16	8	25	35.5	42	0.5	E 11 MX
MPHC 10 / ERMX 11	16	10	25	35.5	42	0.5	E 11 MX
MPHC 10 / ERMX 16	22	10	31	47	42	0.5	E 16 MX
MPHC 16 / ERMX 16	22	16	31	47	42	0.5	E 16 MX
MPHC 3/4" / ERMX 11	16	19.05	25	35.5	42	0.5	E 11 MX
MPHC 3/4" / ERMX 16	22	19.05	31	47	42	0.5	E 16 MX
MPHC 20 / ERMX 11	16	20	25	35.5	42	0.5	E 11 MX
MPHC 20 / ERMX 16	22	20	31	47	42	0.5	E 16 MX
MPHC 22 / ERMX 16	22	22	31	47	42	0.5	E 16 MX
MPHC 25 / ERMX 16	22	25	31	47	42	0.5	E 16 MX
MPHC 1" / ERMX 16	22	25.4	31	47	42	0.5	E 16 MX

REGO-FIX▲ ISO 20 刀桿

專為HAAS機台設計
刀桿動平衡校正至 50,000rpm



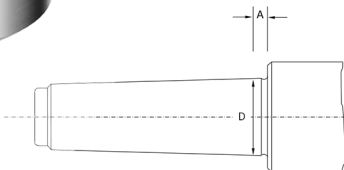
型號	D	L	扳手
ISO 20 / ERM 11 x 048 HAAS	16	48	E 11 M
ISO 20 / ERM 16 x 053 HAAS	22	53	E 16 M
ISO 20 / ERM 20 x 055 HAAS	28	55	E 20 M



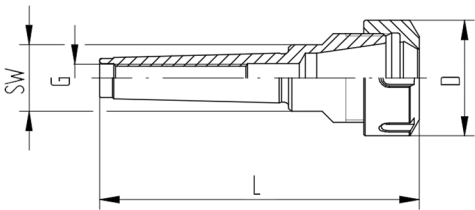
MK 刀桿



可使用於銑床，鑽床或搪孔用機床
若使用ER-GB攻牙套筒，建議使用HIQ/ERB或HIQ/ERBC螺帽增強夾持力



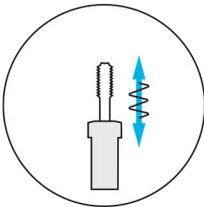
型號	G	D	L
ATL 6 / MK 1	M6	8.5	21.5
ATL 10 / MK 2	M10	13.5	30.5
ATL 12 / MK 3	M12	18.5	35
ATL 16 / MK 4	M16	24.5	41
ATL 20 / MK 5	M20	35	52



型號	D	L	G	SW	扳手
MK 1 / ER 16 x 041	28	93.5	M6	17	E 16 P
MK 2 / ER 20 x 049	34	111.5	M10	22	E 20 P
MK 2 / ER 25 x 052	42	115	M10	27	E 25
MK 2 / ER 32 x 060	50	123	M10	32	E 32
MK 3 / ER 25 x 052	42	132	M12	27	E 25
MK 3 / ER 32 x 070	50	150	M12	32	E 32
MK 4 / ER 32 x 060	50	161.5	M16	32	E 32
MK 4 / ER 40 x 082	63	183	M16	41	E 40
MK 5 / ER 40 x 064	63	192	M20	41	E 40
MK 5 / ER 50 x 086	78	214	M20	50	E 50

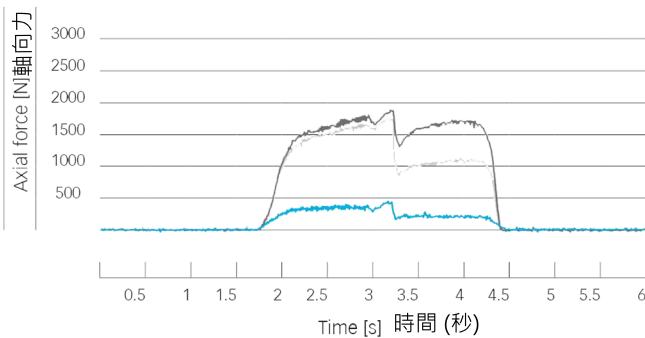
REGO-FIX▲ ER 攻牙刀桿

CYL SSY / HSK-A SSY 攻牙刀桿

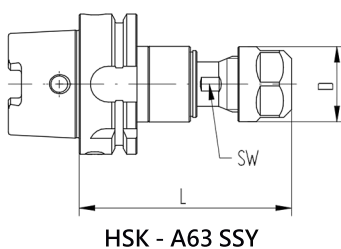
- 
- // 最小長度補償功能
 - // 可消除機床同步誤差
 - // 適用於剛性攻牙機床
 - // 在不影響長度補償功能下，最大可承受 50 bar 水壓
 - // 視不同情況，可延長產品壽命最大150%

軸向力比較測試

材質 St37，加工M10螺紋，轉速500 rpm

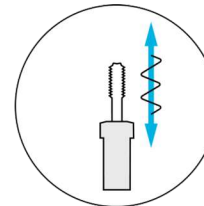


- REGO-FIX SSY攻牙刀桿
- 他牌同步攻牙刀桿
- 剛性攻牙刀桿



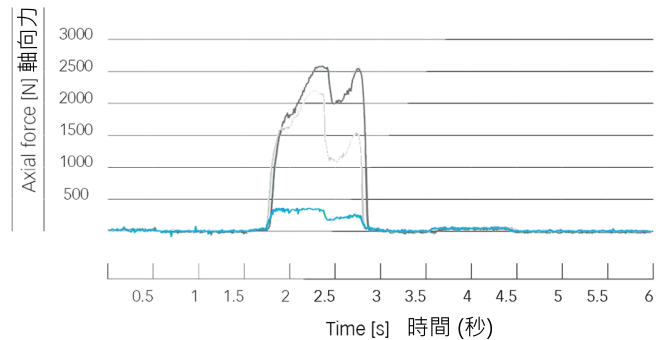
HSK - A63 SSY

CYL GSF 攻牙刀桿

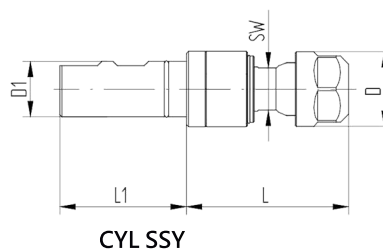
- 
- // 有長度補償功能
 - // 適用於無攻牙功能的機床 (主軸與螺距間不同步)
 - // 補償過載機制
 - // 安全的螺紋加工
 - // 統一，一致的螺紋深度
 - // 在不影響長度補償功能下，最大可承受 50 bar 水壓
 - // 較大的伸縮範圍，使其應用上擁有較大的靈活性

軸向力比較測試

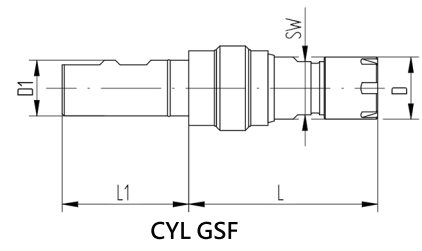
材質 St37，加工M10螺紋，轉速2,000 rpm



軸向力會隨著轉速增加而變大。使用剛性刀桿攻牙時產生的軸向力，會比使用SSY刀桿大得多，因此，使用SSY刀桿可以發揮出同步主軸的最佳性能，得到最好的刀具壽命和加工品質。



CYL SSY



CYL GSF

型號	D	L	縮(mm)	伸(mm)	SW	扳手
HSK - A 63 SSY / ERC 20	34	95.5	0.5	0.5	19	E 20 P
HSK- A 63 SSY / ERC 32	50	108.8	0.5	0.5	32	E 32

型號	D	D1	L	L1	縮(mm)	伸(mm)	SW	扳手
CYL 25 SSY / ERC 20	34	25	73	57	0.5	0.5	19	E 20 P
CYL 25 SSY / ERC 32	50	25	87.5	57	0.5	0.5	32	E 32

型號	D	D1	L	L1	縮(mm)	伸(mm)	SW	扳手
CYL 25 GSF / ERM C 20	28	25	85	57	5	7.5	28	E 20 M
CYL 25 GSF / ERM 32	50	25	115	57	7	10	34	E 32

REGO-FIX▲ ER筒夾



ER 標準筒夾
DIN 6499-B
ISO 15488
精度 1條

ER - UP 筒夾
DIN 6499-B
ISO 15488
精度 5um

型號	夾持範圍						
ER8	1 - 0.5	1.5 - 1	2 - 1.5	2.5 - 2	3 - 2.5	3.5 - 3	4 - 3.5
ER8-UP	4.5 - 4	5 - 4.5					
	1 / 16"	1 / 8"	3 / 16"				
	整組：1; 1.5; 2; 2.5; 3; 3.5; 4; 4.5; 5 (共9只)						
ER11	1 - 0.5	1.5 - 1	2 - 1.5	2.5 - 2	3 - 2.5	3.5 - 3	4 - 3.5
ER11-UP	4.5 - 4	5 - 4.5	5.5 - 5	6 - 5.5	6.5 - 6	7 - 6.5	
	1 / 16"	3 / 32"	1 / 8"	5 / 32"	3 / 16"	7 / 32"	1 / 4"
	整組：1; 1.5; 2; 2.5; 3; 3.5; 4; 4.5; 5; 5.5; 6; 6.5; 7 (共13只)						
ER16	1 - 0.5	1.5 - 1	2 - 1	2.5 - 1.5	3 - 2	3.5 - 2.5	4 - 3
ER16-UP	4.5 - 3.5	5 - 4	5.5 - 4.5	6 - 5	6.5 - 5.5	7 - 6	7.5 - 6.5
	8 - 7	8.5 - 7.5	9 - 8	9.5 - 8.5	10 - 9		
	1 / 16"	3 / 32"	1 / 8"	5 / 32"	3 / 16"	7 / 32"	1 / 4"
	9 / 32"	5 / 16"	11 / 32"	3 / 8"	13 / 32"		
	整組：1; 2; 3; 4; 5; 6; 7; 8; 9; 10 (共10只)						
ER20	1 - 0.5	1.5 - 1	2 - 1	2.5 - 1.5	3 - 2	3.5 - 2.5	4 - 3
ER20-UP	4.5 - 3.5	5 - 4	5.5 - 4.5	6 - 5	6.5 - 5.5	7 - 6	7.5 - 6.5
	8 - 7	8.5 - 7.5	9 - 8	9.5 - 8.5	10 - 9	10.5 - 9.5	11 - 10
	11.5 - 10.5	12 - 11	12.5 - 11.5	13 - 12			
	1 / 8"	3 / 16"	1 / 4"	5 / 16"	3 / 8"	7 / 16"	1 / 2"
	整組：2; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13 (共12只)						
ER25	1 - 0.5	1.5 - 1	2 - 1	2.5 - 1.5	3 - 2	3.5 - 2.5	4 - 3
ER25-UP	4.5 - 3.5	5 - 4	5.5 - 4.5	6 - 5	6.5 - 5.5	7 - 6	7.5 - 6.5
	8 - 7	8.5 - 7.5	9 - 8	9.5 - 8.5	10 - 9	10.5 - 9.5	11 - 10
	11.5 - 10.5	12 - 11	12.5 - 11.5	13 - 12	13.5 - 12.5	14 - 13	14.5 - 13.5
	15 - 14	15.5 - 14.5	16 - 15	17 - 16			
	1 / 8"	3 / 16"	1 / 4"	5 / 16"	3 / 8"	7 / 16"	1 / 2"
	9 / 16"	5 / 8"					
	整組：2; 3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16 (共15只)						
ER32			2 - 1	2.5 - 1.5	3 - 2	3.5 - 2.5	4 - 3
ER32-UP	4.5 - 3.5	5 - 4	5.5 - 4.5	6 - 5	6.5 - 5.5	7 - 6	7.5 - 6.5
	8 - 7	8.5 - 7.5	9 - 8	9.5 - 8.5	10 - 9	10.5 - 9.5	11 - 10
	11.5 - 10.5	12 - 11	12.5 - 11.5	13 - 12	13.5 - 12.5	14 - 13	14.5 - 13.5
	15 - 14	15.5 - 14.5	16 - 15	16.5 - 15.5	17 - 16	17.5 - 16.5	18 - 17
	18.5 - 17.5	19 - 18	19.5 - 18.5	20 - 19	21 - 20	22 - 21	
	1 / 8"	3 / 16"	1 / 4"	5 / 16"	3 / 8"	7 / 16"	1 / 2"
	9 / 16"	5 / 8"	11 / 16"	3 / 4"	13 / 16"		
	整組：3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20 (共18只)						

REGO-FIX▲ ER筒夾



ER 標準筒夾
DIN 6499-B
ISO 15488
精度 1條

ER - UP 筒夾
DIN 6499-B
ISO 15488
精度 5um

型號	夾持範圍						
ER40					3 – 2	3.5 – 2.5	4 – 3
ER40-UP	4.5 – 3.5	5 – 4	5.5 – 4.5	6 – 5	6.5 – 5.5	7 – 6	7.5 – 6.5
	8 – 7	8.5 – 7.5	9 – 8	9.5 – 8.5	10 – 9	10.5 – 9.5	11 – 10
	11.5 – 10.5	12 – 11	12.5 – 11.5	13 – 12	13.5 – 12.5	14 – 13	14.5 – 13.5
	15 – 14	15.5 – 14.5	16 – 15	16.5 – 15.5	17 – 16	17.5 – 16.5	18 – 17
	18.5 – 17.5	19 – 18	19.5 – 18.5	20 – 19	20.5 – 19.5	21 – 20	
	21.5 – 20.5	22 – 21	22.5 – 21.5	23 – 22	23.5 – 22.5	24 – 23	24.5 – 23.5
	25 – 24	25.5 – 24.5	26 – 25	27 – 26	28 – 27	29 – 28	30 – 29
	1 / 8"	3 / 16"	1 / 4"	5 / 16"	3 / 8"	7 / 16"	1 / 2"
	9 / 16"	5 / 8"	11 / 16"	3 / 4"	13 / 16"	7 / 8"	1"
	整組：4; 5; 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26 (共23只)						
ER50	6 – 4	8 – 6	10 – 8	12 – 10	14 – 12	16 – 14	18 – 16
ER50-UP	20 – 18	22 – 20	24 – 22	25 – 23	26 – 24	28 – 26	30 – 28
	32 – 30	34 – 32	36 – 34				
	整組：12; 14; 16; 18; 20; 22; 24; 26; 28; 30; 32; 34 (共12只)						

ER - MB 超微筒夾

ER - MB 筒夾精度6um
無彈性，可夾持柄徑公差h7

ER8-MB	0.2
ER11-MB	0.3
ER16-MB	0.4
	0.5
	0.6
	0.7
	0.8
	0.9



ER - SG 強力固定筒夾

ER32-SG	10	12	16
	1/2"	5/8"	
ER40-SG	16	20	25
	5/8"	3/4"	1"

SGI 螺牙片				
10	12	14	16	18
20	25			
1/2"	5/8"	3/4"	1"	



ER-SG



ER-SGI



ER - DM中心出水筒夾精度 6um

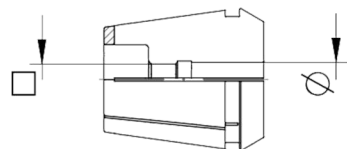
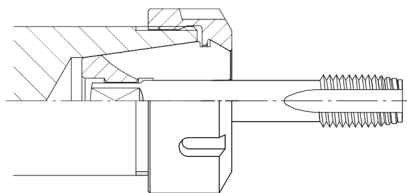
不可使用於側固或有凹槽的刀柄

型號	夾持範圍						
ER11-DM	3.0 – 2.75	4.0 – 3.75	5.0 – 4.75	6.0 – 5.75	7.0 – 6.75		
	1 / 8"	3 / 16"	7 / 32"	1 / 4"			
ER16-DM	3	4	5.0 – 4.5	6.0 – 5.5	7.0 – 6.5	8.0 – 7.5	9.0 – 8.5
	10.0 – 9.5						
	1 / 8"	5 / 32"	3 / 16"	7 / 32"	1 / 4"	9 / 32"	5 / 16"
	11 / 32"	3 / 8"	13 / 32"				
ER20-DM	3	4	5	6	7.0 – 6.5	8.0 – 7.5	9.0 – 8.5
	10 – 9.5	11 – 10.5	12 – 11.5	13 – 12.5			
	1 / 8"	5 / 32"	3 / 16"	7 / 32"	1 / 4"	9 / 32"	5 / 16"
	11 / 32"	3 / 8"	13 / 32"	7 / 16"	15 / 32"	1 / 2"	
ER25-DM	6	7	8.0 – 7.5	9.0 – 8.5	10 – 9.5	11 – 10.5	12 – 11.5
	13 – 12.5	14 – 13.5	15 – 14.5	16 – 15.5			
	7 / 32"	1 / 4"	9 / 32"	5 / 16"	11 / 32"	3 / 8"	13 / 32"
	7 / 16"	15 / 32"	1 / 2"	17 / 32"	9 / 16"	19 / 32"	5 / 8"
ER32-DM	6	7	8.0 – 7.5	9.0 – 8.5	10 – 9.5	11 – 10.5	12 – 11.5
	13 – 12.5	14 – 13.5	15 – 14.5	16 – 15.5	17 – 16.5	18 – 17.5	19 – 18.5
	20 – 19.5						
	1 / 2"	17 / 32"	9 / 16"	19 / 32"	5 / 8"	21 / 32"	11 / 16"
	23 / 32"	3 / 4"					
ER40-DM	6	X	8	X	10 – 9.5	11 – 10.5	12 – 11.5
	13 – 12.5	14 – 13.5	15 – 14.5	16 – 15.5	17 – 16.5	18 – 17.5	19 – 18.5
	20 – 19.5	21 – 20.5	22 – 21.5	23 – 22.5	24 – 23.5	25 – 24.5	26 – 25.5
	1 / 4"	5 / 16"	3 / 8"	7 / 16"	1 / 2"	9 / 16"	5 / 8"
	11 / 16"	3 / 4"	13 / 16"	7 / 8"	1"		

REGO-FIX▲ ER -GB剛性攻牙筒夾



專為主軸轉速和進給同步的數控機床設計，建議搭配SSY
攻牙刀桿使用，能補償數控機床最微小的同步差異。

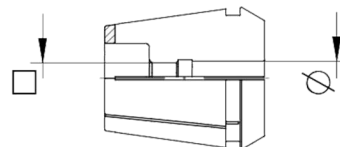
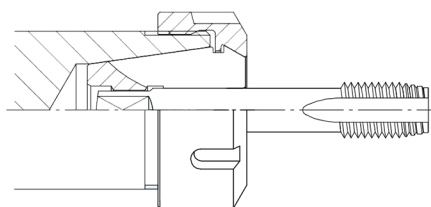


Ø	□	ER11	ER16	ER20	ER25	ER32	ER40	ER50	國際標準規
2.5	2.1 / 2.0	V							DIN / ISO
2.8	2.1	V	V						DIN
3.5	2.7	V	V	V					DIN
4.0	3.0	V			V	V			DIN
4.0	3.15 / 3.2	V	V	V	V	V			ISO / JIS
4.5	3.4	V	V	V	V	V			DIN
5.0	4.0	V	V	V	V	V			ISO / JIS
5.5	4.3		V	V	V	V			DIN
5.5	4.5		V	V	V	V			JIS
6.0	4.5		V	V	V	V	V		JIS
6.0	4.9	V	V	V	V	V	V		DIN
6.2	5.0		V	V	V	V	V		JIS
6.3	5.0		V	V	V	V	V		ISO
7.0	5.5		V	V	V	V	V		DIN / JIS
7.1	5.6		V	V	V	V	V		ISO
8.0	6.2 / 6.3		V	V	V	V	V		DIN / ISO
8.5	6.5		V	V	V	V	V		JIS
9.0	7.0 / 7.1		V	V	V	V	V		DIN / ISO
10.0	8.0			V	V	V	V		DIN / ISO
10.5	8.0			V	V	V	V		JIS
11.0	9.0			V	V	V	V		DIN
11.2	9.0			V	V	V	V		ISO
12.0	9.0			V	V	V	V		DIN
12.5	10.0				V	V	V		ISO / JIS
14.0	11.0 / 11.2				V	V	V		DIN / ISO / JIS
15.0	12.0				V	V	V		JIS
16.0	12.0 / 12.5				V	V	V		DIN / ISO
17.0	13.0					V	V		JIS
18.0	14.0 / 14.5					V	V		DIN / ISO
20.0	16.0					V	V		DIN / ISO
22.0	18.0						V	V	DIN
25.0	20.0							V	DIN
28.0	22.0							V	DIN
32.0	24.0							V	DIN

REGO-FIX▲ ER -GB剛性攻牙筒夾

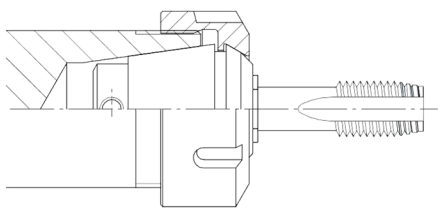


專為主軸轉速和進給同步的數控機床設計，建議搭配SSY
攻牙刀桿使用，能補償數控機床最微小的同步差異。



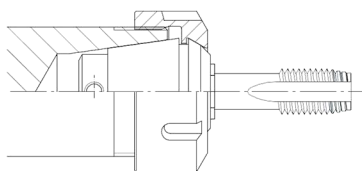
∅	□	ER11	ER16	ER20	ER25	ER32	ER40	ER50	國際標準規
0.141"	0.11"	V	V						ANSI
0.168"	0.131"	V	V	V	V	V			ANSI
0.194"	0.152"	V	V	V	V	V			ANSI
0.22"	0.165"		V	V	V	V			ANSI
0.255"	0.191"		V	V	V	V	V		ANSI
0.318"	0.238"		V	V	V	V	V		ANSI
0.323"	0.242"			V	V	V	V		ANSI
0.367"	0.275"			V	V	V	V		ANSI
0.381"	0.286"			V	V	V	V		ANSI
0.429"	0.322"				V	V	V		ANSI
0.437"	0.328"				V	V	V		ANSI / NPT
0.48"	0.36"				V	V	V		ANSI
0.542"	0.406"					V	V		ANSI
0.562"	0.421"					V	V		ANSI / NPT
0.59"	0.442"				V	V	V		ANSI
0.652"	0.489"					V	V		ANSI
0.687"	0.515"						V		ANSI / NPT
0.697"	0.523"						V		ANSI
0.7"	0.531"						V		ANSI / NPT
0.76"	0.57"						V		ANSI
0.800"	0.600"						V	V	ANSI
0.896"	0.672"							V	ANSI
1.021"	0.766"							V	ANSI
1.108"	0.831"							V	ANSI
1.233"	0.925"							V	ANSI

REGO-FIX▲ ET1 伸縮攻牙筒夾



Ø	ET1-12 (ER11)	ET1-16	ET1-20	ET1-25	ET1-32	ET1-40	國際標準規
1.4	V	V					DIN / ISO
1.6	V	V					DIN
1.8	V	V					DIN
2.0	V	V					DIN
2.2	V	V	V				ISO / JIS
2.24	V	V	V				DIN
2.5	V	V	V	V			ISO / JIS
2.8	V	V	V	V			DIN
3.0	V	V	V	V			JIS
3.15	V	V	V	V			JIS
3.5	V	V	V	V			DIN
3.55	V	V	V	V			JIS
4.0		V	V	V			ISO
4.5		V	V	V	V		DIN / JIS
5.0		V	V	V	V		ISO
5.5		V	V	V	V		DIN / ISO
5.6		V	V	V	V		JIS
6.0		V	V	V	V	V	DIN / ISO
6.2		V	V	V	V	V	DIN / ISO
6.3		V	V	V	V	V	JIS
7.0			V	V	V	V	DIN
7.1				V	V	V	ISO
8.0				V	V	V	DIN
8.5				V	V	V	ISO / JIS
9.0				V	V	V	DIN / ISO / JIS
10.0				V	V	V	JIS
10.5					V	V	DIN / ISO
11.0					V	V	JIS
11.2					V	V	DIN / ISO
12.0					V	V	DIN / ISO
12.5					V	V	DIN
14.0						V	DIN
15.0						V	DIN
16.0						V	DIN
17.0						V	JIS

REGO-FIX▲ ET1 伸縮攻牙筒夾



Ø	ET1-12 (ER11)	ET1-16	ET1-20	ET1-25	ET1-32	ET1-40
0.141"	V	V	V	V		
0.168"		V	V	V	V	
0.194"		V	V	V	V	
0.220"		V	V	V	V	
0.255"			V	V	V	V
0.318"				V	V	V
0.323"				V	V	V
0.367"				V	V	V
0.381"				V	V	V
0.429"					V	V
0.437"					V	V
0.480"					V	V
0.542"						V
0.562"						V
0.590"						V
0.652"						V
0.697"						V

3D尋邊器



- * 公制，英制兩種盤面
- * 測量精度 $\leq 0.001\text{mm}$
- * 掃描QR CODE，可觀看產品資訊與檢驗表
- * IP67 防塵防水，
- * 陶瓷探針預設斷點保護

型號	尺寸
3D EMA 公制(組) - 一本體，兩長、兩短探針	Ø 16 mm
3D EMA 公制	Ø 16 mm
3D EMA 英制	Ø 5/8"
TE EMA 短探針	L 31mm
TE EMA 長探針	L 56.5mm

主軸測試棒



- * 定期檢查，避免主軸誤差
 - * 圓柱度 $\leq 2\mu\text{m}$
- 每支測試棒都有檢測證明

型號	Ø	長度
ST40 / MBA40x330	40	330
CAT40 / MBA40x340	40	340
BT+40 / MBA40x340	40	340
HSK-A63 / MBA40x350	40	350
HSK-E40 / MBA24x180	24	180

REGO-FIX▲ 減徑套筒

優點和特性:

表面粗糙度最大Ra 0.25

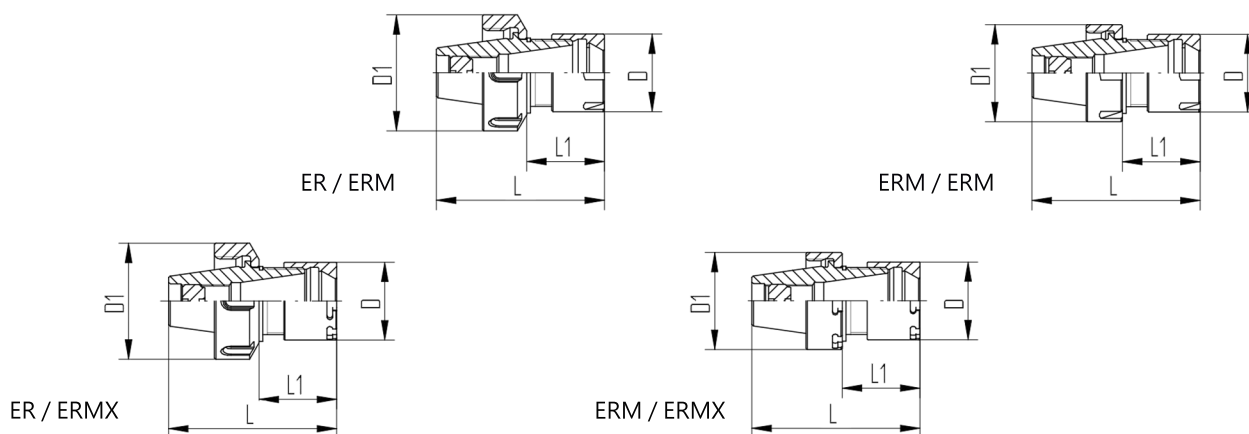
主要用於帶動力刀座的瑞士機床

刀具可預先安裝，適用於快速換刀系統

刀具可在機床外預先調整

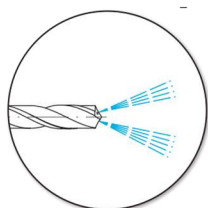
適用於HIQ / ERM 或 HIQ / ERMX螺帽，

縮小外部尺寸



型號	D	D1	L	L1	扳手
ER11 / ERM 8	12	19	33	16.5	E 11 P / E 8 M
ER16 / ERM 11	16	28	42.5	18.5	E 16 P / E 11 M
ER20 / ERM 16	22	34	55.5	28	E 20 P / E 16 M
ER25 / ERM 16	22	42	60.5	28	E 25 / E 16 M
ER25 / ERM 20	28	42	60.5	28	E 25 / E 20 M
ERM 11 / ERM 8	12	16	33	16.5	E 11 M / E 8 M
ERM 16 / ERM 11	16	23	42.5	18.5	E 16 M / E 11 M
ERM 20 / ERM 16	22	28	55.5	28	E 20 M / E 16 M
ERM 25 / ERM 16	22	35	60.5	28	E 25 M / E 16 M
ERM 25 / ERM 20	28	35	60.5	28	E 25 M / E 20 M
ER 11 / ERMX 8	12	19	33	16.5	E 11 P / E 8 MX
ER 16 / ERMX 11	16	28	42.5	18.5	E 16 P / M 11 MX
ER 20 / ERMX 16	22	34	55.5	28	E 20 P / E 16 MX
ER 25 / ERMX 16	22	42	60.5	28	E 25 / E 16 MX
ER 25 / ERMX 20	28	42	60.5	28	E 25 / E 20 MX
ERMX 11 / ERMX 8	12	16	33	16.5	E 11 MX / E 8 MX
ERMX 16 / ERMX 11	16	23	42.5	18.5	E 16 MX / E 11 MX
ERMX 20 / ERMX 16	22	28	55.5	28	E 20 MX / E 16 MX
ERMX 25 / ERMX 16	22	35	60.5	28	E 25 MX / E 16 MX

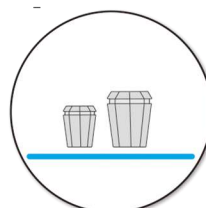
REGO-FIX▲ 高速主軸用螺帽 reCool Hi-Speed



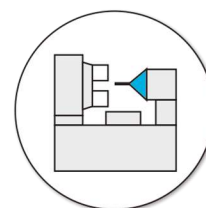
現有主軸簡單升級成
為中心出水
最大可承受100bar水壓



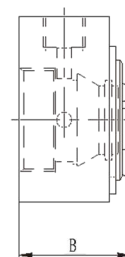
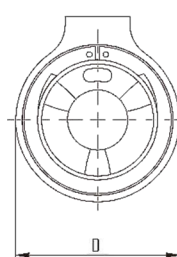
陶瓷鍍層
轉速可達40,000rpm



尺寸包含ER11與ER16
刀柄 3-10mm



專利設計
適合高速主軸與變頻主軸



型號	B	D	螺牙	扳手
SET RCR Hi-S / ER 11	16.5	21.75	M 14 x 0.75	E 11 AX
SET RCR Hi-S / ER 16	24.5	34	M 22 x 1.5	E 16 AX
RCR Hi-S / ER 11	16.5	21.75	M 14 x 0.75	E 11 AX
RCR Hi-S / ER 16	24.5	34	M 22 x 1.5	E 16 AX
SET RCR Hi-S / ERM 11	16.5	21.75	M 13 x 0.75	E 11 AX
SET RCR Hi-S / ERM 16	24.5	31	M 19 x 1	E 16 AX
RCR Hi-S / ERM 11	16.5	21.75	M 13 x 0.75	E 11 AX
RCR Hi-S / ERM 16	24.5	31	M 19 x 1	E 16 AX

SET整組包含 RCR Hi-S螺帽・1/8" 接頭兩組與RHS-100水管

REGO-FIX▲ 轉中心出水螺帽 reCool system



reCool ® rotary RCR特徵 - 使用在自轉刀座

// 只需兩分鐘，現有的可轉動刀座即可中心出水

// 裝備在ER and ERM 螺牙的動力刀座和車削中心機，
只要是ER筒夾(DIN 6499/ ISO 15488)都可使用

// 轉速可達 12,000 rpm*

* RCR / ER40最大6,000 RPM

// 高壓管冷卻液壓達到150 bar，標準水管 max. 100 bar

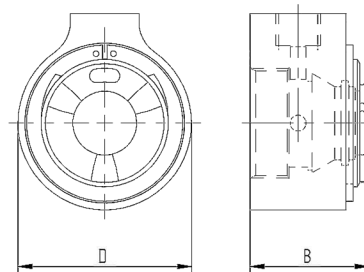
// 低維護成本，軸承可使用在冷卻液下

// 中心出水使用DS/ER墊片，外環出水使用KS/ER墊片

不可搭配ER-DM中心出水筒夾

// RCR/ER(M)用於乳狀或是油性切削液

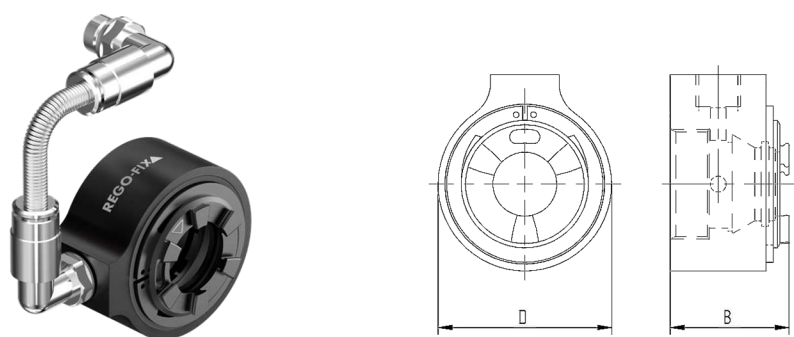
// 轉接頭可將內牙的動力刀座轉為外牙，因此可使用在不同類型的刀座上



型號	B	D	螺牙	扳手
SET RCR / ER 11	16.6	21.75	M 14 x 0.75	E 11 AX
SET RCR / ER 16	24.5	34	M 22 x 1.5	E 16 AX
SET RCR / ER 20	26	40	M 25 x 1.5	E 20 AX
SET RCR / ER 25	27	50	M 32 x 1.5	E 25 AX
SET RCR / ER 32	29.5	62.5	M 40 x 1.5	E 32 AX
SET RCR / ER 40	32.5	72.5	M 50 x 1.5	E 40 AX
RCR / ER 11	16.6	21.75	M 14 x 0.75	E 11 AX
RCR / ER 16	24.5	34	M 22 x 1.5	E 16 AX
RCR / ER 20	26	40	M 25 x 1.5	E 20 AX
RCR / ER 25	27	50	M 32 x 1.5	E 25 AX
RCR / ER 32	29.5	62.5	M 40 x 1.5	E 32 AX
RCR / ER 40	32.5	72.5	M 50 x 1.5	E 40 AX

SET整組包含 RCR 螺帽，1/8" 接頭兩組與RHS-100水管

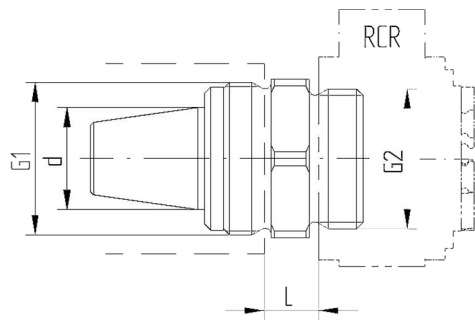
REGO-FIX▲ 轉中心出水螺帽 reCool system



型號	B	D	螺牙	扳手
SET RCR / ERM 11	16.6	21.75	M 13 x 0.75	E 11 AX
SET RCR / ERM 16	24.5	31	M 19 x 1	E 16 AX
SET RCR / ERM 20	26	38	M 24 x 1	E 20 AX
SET RCR / ERM 25	27	46	M 30 x 1	E 25 AX
RCR / ERM 11	16.6	21.75	M 13 x 0.75	E 11 AX
RCR / ERM 16	24.5	31	M 19 x 1	E 16 AX
RCR / ERM 20	26	38	M 24 x 1	E 20 AX
RCR / ERM 25	27	46	M 30 x 1	E 25 AX

SET整組包含 RCR 螺帽・1/8” 接頭兩組與RHS-100水管

RCR中心出水螺帽轉內牙



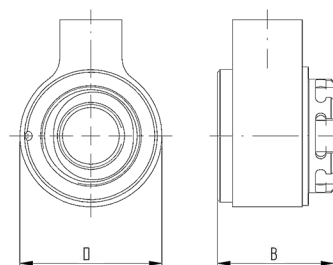
型號	d	L	螺牙G1	螺牙G2	扳手
RC - ADP 16	16	8.7	M 24 x 1	M 22 x 1.5	E 16 P
RC - ADP 20	20	8.2	M 28 x 1.5	M 25 x 1.5	E 20 P
RC - ADP 25	25	7.9	M 32 x 1.5	M 32 x 1.5	E 25
RC - ADP 32	32	8.7	M 40 x 1.5	M 40 x 1.5	E 32
RC - ADP 40	40	9.6	M 50 x 1.5	M 50 x 1.5	E 40

REGO-FIX▲ 轉中心出水螺帽 reCool system



reCool®static RCS 的特徵 - 使用在不自轉刀座

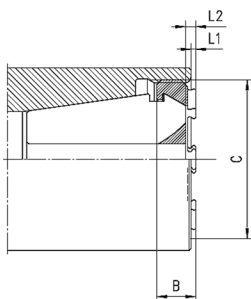
- // 只需兩分鐘，現有的固定式刀座即可中心出水
- // 冷卻液壓最高達到150 bar**
- // RCS/ERMX 使用乳狀或是油性切削液
- // 中心出水使用DS/ER墊片，外環出水使用KS/ER墊片
- ** 150 bar使用高壓管RHS-HP，100 bar為標準水管



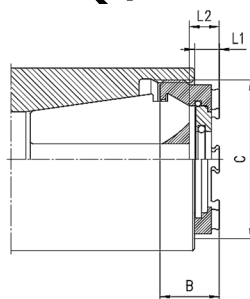
型號	B	D	螺牙	扳手
SET RCS / ERMX 16	22.5	27.5	M 19 x 1	E 16 MX
SET RCS / ERMX 20	24	34.5	M 24 x 1	E 20 MX
RCS / ERMX 16	22.5	27.5	M 19 x 1	E 16 MX
RCS / ERMX 20	24	34.5	M 24 x 1	E 20 MX

SET整組包含 RCS螺帽，1/8" 接頭兩組與RHS-100水管

HIQ / ERAX內嵌螺帽



HIQ / ERAXC內嵌出水螺帽

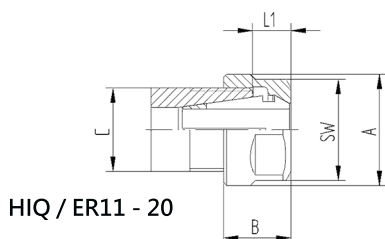


可承受150bar / 2100PSI水壓
可搭配DS止水環 - 中心出水，
或搭配KS止水環 - 刀緣出水

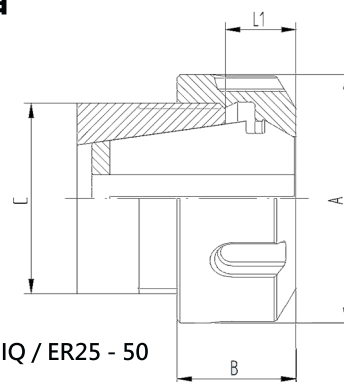
型號	B	L1	L2	C	扳手
HIQ / ERAX 11	7.5	1.0 - 3.2	3.9	M 18 x 1	E 11 AX
HIQ / ERAX 16	7.6	0 - 2.6	2.3	M 24 x 1.5	E 16 AX
HIQ / ERAX 20	8.5	0 - 2.5	2.3	M 28 x 1.5	E 20 AX
HIQ / ERAX 25	8.8	0 - 1.9	2.3	M 32 x 1.5	E 25 AX
HIQ / ERAX 32	9.8	0 - 1.1	2.5	M 40 x 1.5	E 32 AX
HIQ / ERAX 40	11.7	0 - 1.0	2.4	M 50 x 1.5	E 40 AX

型號	B	L1	L2	C	扳手
HIQ / ERAXC 11	9.2	2.7 - 4.9	6.1	M 18 x 1	E 11 AX
HIQ / ERAXC 16	12.5	3.1 - 7.5	7.2	M 24 x 1.5	E 16 AX
HIQ / ERAXC 20	13.5	3.1 - 7.5	7.3	M 28 x 1.5	E 20 AX
HIQ / ERAXC 25	13.8	2.5 - 6.9	7.3	M 32 x 1.5	E 25 AX
HIQ / ERAXC 32	14.9	1.8 - 6.2	7.6	M 40 x 1.5	E 32 AX
HIQ / ERAXC 40	16.6	1.5 - 5.9	7.3	M 50 x 1.5	E 40 AX

REGO-FIX▲ HIQ / ER標準螺帽



HIQ / ER11 - 20



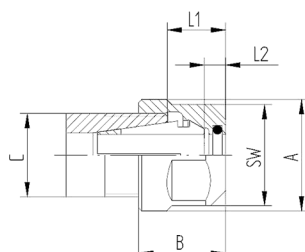
HIQ / ER25 - 50

型號	A	B	L1	SW	C	扳手
HIQ / ER11	19	11.3	4.9 - 6.6	17	M 14 x 0.75	E 11 P
HIQ / ER11 L	19	11.3	4.9 - 6.6	17	M 14 x 0.75-LH	E 11 P
HIQ / ER16	28	17.5	7.0 - 10.5	25	M 22 x 1.5	E 16 P
HIQ / ER16 L	28	17.5	7.0 - 10.5	25	M 22 x 1.5-LH	E 16 P
HIQ / ER20	34	19	8.0 - 11.5	30	M 25 x 1.5	E 20 P
HIQ / ER20 L	34	19	8.0 - 11.5	30	M 25 x 1.5-LH	E 20 P
HIQ / ER25	42	20	8.5 - 12.0		M 32 x 1.5	E 25
HIQ / ER25 L	42	20	8.5 - 12.0		M 32 x 1.5-LH	E 25
HIQ / ER32	50	22.5	9.5 - 13.0		M 40 x 1.5	E 32
HIQ / ER32 L	50	22.5	9.5 - 13.0		M 40 x 1.5-LH	E 32
HIQ / ER40	63	25.5	11.5 - 15.0		M 50 x 1.5	E 40
HIQ / ER40 L	63	25.5	11.5 - 15.0		M 50 x 1.5-LH	E 40
HIQ / ER50	78	35.3	14.0 - 21.0		M64 x 2	E 50

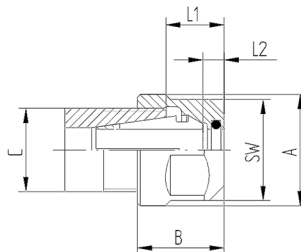
HIQ / ERC出水螺帽

可承受150bar / 2100PSI水壓

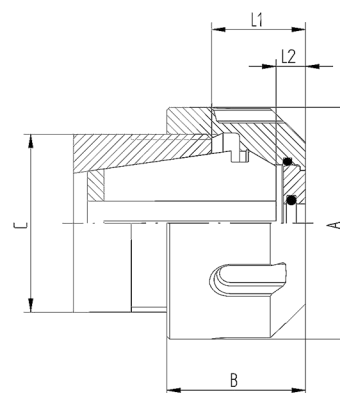
可搭配DS止水環 - 中心出水，或搭配KS止水環 - 刀緣出水



HIQ / ERC 11



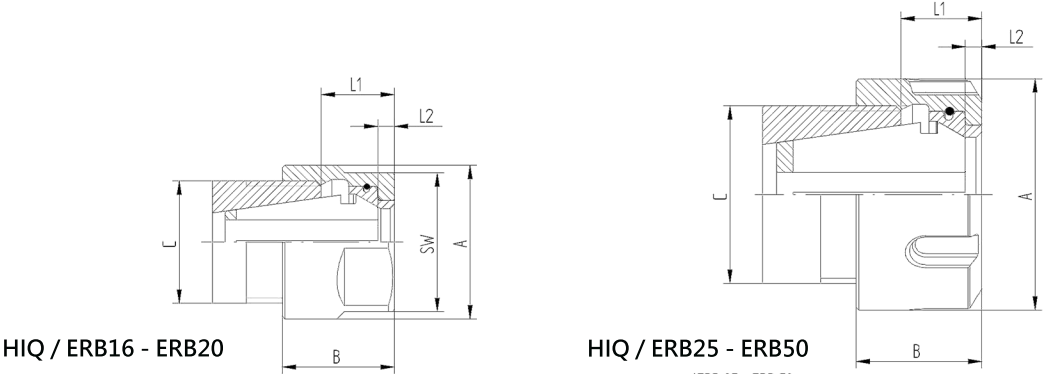
HIQ / ERC 16 - ERC20



HIQ / ERC 25 - ERC50

型號	A	B	L1	L2	SW	C	孔徑	扳手
HIQ / ERC 11	19	14.6	8.1 - 9.8	3.5	17	M 14 x 0.75	3.0 - 6.0	E 11 P
HIQ / ERC 16	25	22.5	12.0 - 15.5	5	25	M 22 x 1.5	22.5	E 16 P
HIQ / ERC 20	34	24	13.0 - 16.5	5	30	M 25 x 1.5	24	E 20 P
HIQ / ERC 25	42	25	13.5 - 17.0	5		M 32 x 1.5	25	E 25
HIQ / ERC 32	50	27.5	14.5 - 18.0	5		M 40 x 1.5	27.5	E 32
HIQ / ERC 40	63	30.5	16.5 - 20.0	5		M 50 x 1.5	30.5	E 40
HIQ / ERC 50	78	42.5	19.0 - 26.0	5		M 64 x 2	40.3	E 50

REGO-FIX▲ HIQ / ERB軸承式強力螺帽

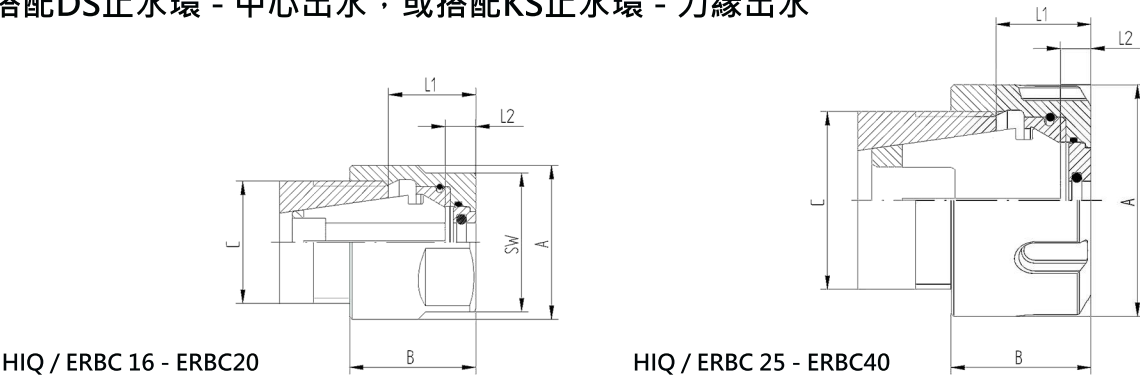


型號	A	B	L1	L2	SW	C	扳手
HIQ / ERB 16	28	20.2	10.0 - 13.6	3	25	M 22 x 1.5	E 16 P
HIQ / ERB 20	34	21.7	11.0 - 14.5	3	30	M 25 x 1.5	E 20 P
HIQ / ERB 25	42	22.6	11.5 - 15.0	3		M 32 x 1.5	E 25
HIQ / ERB 32	50	25	12.5 - 16.0	3		M 40 x 1.5	E 32
HIQ / ERB 40	63	28.2	14.5 - 18.0	3		M 50 x 1.5	E 40
HIQ / ERB 50	78	38.1	17.0 - 24.0			M 64 x 2	E 50

HIQ / ERBC 軸承式強力出水螺帽

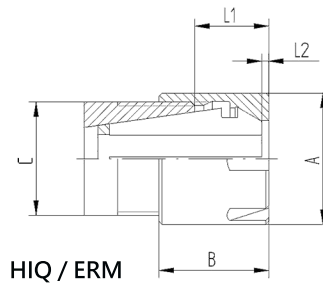
可承受150bar / 2100PSI水壓

可搭配DS止水環 - 中心出水，或搭配KS止水環 - 刀緣出水



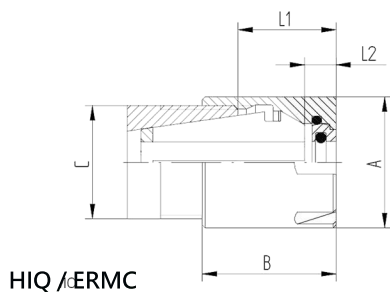
型號	A	B	L1	L2	SW	C	扳手
HIQ / ERBC 16	28	22.7	12.5 - 16.0	5.5	25	M 22 x 1.5	E 16 P
HIQ / ERBC 20	34	24.2	13.5 - 17.0	5.5	30	M 25 x 1.5	E 20 P
HIQ / ERBC 25	42	25.2	14.0 - 17.5	5.5		M 32 x 1.5	E 25
HIQ / ERBC 32	50	27.4	15.0 - 18.5	5.5		M 40 x 1.5	E 32
HIQ / ERBC 40	63	30.7	17.0 - 20.5	5.5		M 50 x 1.5	E 40

REGO-FIX▲ HIQ / ERM迷你型螺帽



型號	A	B	L1	L2	C	扳手
HIQ / ERM 8	12	10.8	4.3 - 6.1	1.5	M 10 x 0.75	E 8 M
HIQ / ERM 8 L	12	10.8	4.3 - 6.1	1.5	M 10 x 0.75-LH	E 8 M
HIQ / ERM 11	16	12	5.7 - 7.5	0.4	M13 x 0.75	E 11 M
HIQ / ERM 11 L	16	12	5.7 - 7.5	0.4	M13 x 0.75-LH	E 11 M
HIQ / ERM 16	22	18.4	8.0 - 11.5	0.9	M 19 x 1	E 16 M
HIQ / ERM 16 L	22	18.4	8.0 - 11.5	0.9	M 19 x 1-LH	E 16 M
HIQ / ERM 20	28	19	8.0 - 11.5		M 24 x 1	E 20 M
HIQ / ERM 20 L	28	19	8.0 - 11.5		M 24 x 1-LH	E 20 M
HIQ / ERM 25	35	20	8.5 - 12.0		M 30 x 1	E 25 M
HIQ / ERM 25 L	35	20	8.5 - 12.0		M 30 x 1-LH	E 25 M

HIQ / ERM迷你型出水螺帽



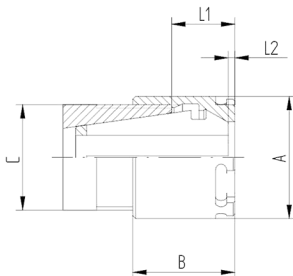
可承受150bar / 2100PSI水壓

可搭配DS止水環 - 中心出水，

或搭配KS止水環 - 刀緣出水

型號	A	B	L1	L2	C	孔徑		扳手
						mm	inch	
HIQ / ERM 11 - 3.0	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	3.0 - 2.5	3/32"	E 11 M
HIQ / ERM 11 - 3.5	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	3.5 - 3.0	1/8"	E 11 M
HIQ / ERM 11 - 4.0	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	4.0 - 3.5	5/32"	E 11 M
HIQ / ERM 11 - 4.5	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	4.5 - 4.0		E 11 M
HIQ / ERM 11 - 5.0	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	5.0 - 4.5	3/16"	E 11 M
HIQ / ERM 11 - 5.5	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	5.5 - 5.0	7/32"	E 11 M
HIQ / ERM 11 - 6.0	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	6.0 - 5.5		E 11 M
HIQ / ERM 11 - 6.5	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	6.5 - 6.0	1/4"	E 11 M
HIQ / ERM 11 - 7.0	16	14.6	8.1 - 9.8	3.5	M 13 x 0.75	7.0 - 6.5		E 11 M
HIQ / ERM 16	22	22	11.5 - 15.0	4.5	M 19 x 1			E 16 M
HIQ / ERM 20	28	24	13.0 - 16.5	5	M 24 x 1			E 20 M
HIQ / ERM 25	30	25	13.5 - 17.0	5	M 30 x 1			E 25 M

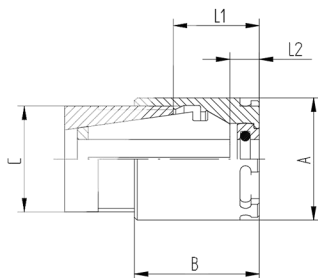
REGO-FIX▲ HIQ / ERMX迷你型防脫螺帽



適用於瑞士型CNC車床

型號	A	B	L1	L2	C	扳手
HIQ / ERMX 8	12	11	4.3 - 6.1	0.4	M 10 x 0.75	E 8 MX
HIQ / ERMX 11	16	12	5.7 - 7.5	0.4	M 13 x 0.75	E 11 MX
HIQ / ERMX 16	22	18.4	8.0 - 11.5	0.9	M 19 x 1	E 16 MX
HIQ / ERMX 20	28	19	8.0 - 11.5	0	M 24 x 1	E 20 MX
HIQ / ERMX 25	35	20	8.5 - 12.0	0	M 30 x 1	E 25 MX

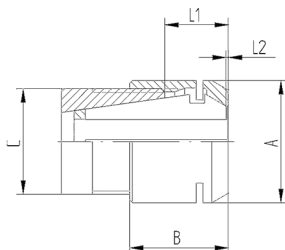
HIQ / ERMXC迷你型防脫出水螺帽



可承受150bar / 2100PSI水壓
可搭配DS止水環 - 中心出水，
或搭配KS止水環 - 刀緣出水
適用於瑞士型CNC車床

型號	A	B	L1	L2	C	扳手
HIQ / ERMXC 11	16	14.6	7.5 - 9.3	3.5	M 13 x 0.75	E 11 MX
HIQ / ERMXC 16	22	22.5	11.5 - 15.0	4.5	M 19 x 1	E 16 MX
HIQ / ERMXC 20	28	24	13.0 - 16.5	5	M 24 x 1	E 20 MX
HIQ / ERMXC 25	35	25	13.0 - 17.0	5	M 30 x 1	E 25 MX

ER MS高速螺帽



適用於高精度，高速切削
最高轉速 80,000rpm

型號	A	B	L1	L2	C	扳手
ER 8 MS	12	10.8	4.3 - 6.1	1.5	M 10 x 0.75	E 8 MS
ER 11 MS	16	11.5	4.6 - 6.8	0.4	M 13 x 0.75	E 11 MS
ER 16 MS	22	17.8	6.1 - 10.5	0.3	M 19 x 1	E 16 MS
ER 20 MS	28	19	7.1 - 11.5	0.6	M 24 x 1	E 20 MS