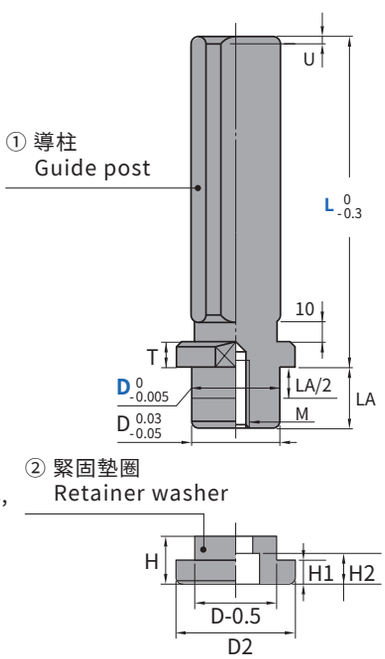
模座用滾針導柱組
Needle Roller Guide Set for Die Set

HRGBL 無擋塊 No Stopper

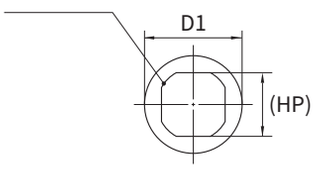


特點 Features

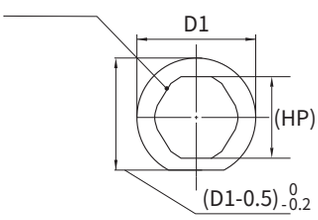
1. 高剛性，線接觸的滾針剛性高達10倍以上。
   The rigidity of the line contact rolling pins provide rigidity over 10 times greater.
2. 直線度2倍以上。
   Straightness exceeds 2 times.
3. 滾針分散壓力，延長使用壽命。
   Rolling pins distribute pressure, extending service life.
4. 振動低，實現低預壓。
   Low vibration enables low pre-loading.
5. 高精度，重複精度3倍以上，產品不殘留主邊。
   High precision, repeatability exceeds 3 times, does not leave the main edge.



*D16 時，為四面導引
*A square guide is used for D16



*D13、D20 ~ D60 時，為六面導引
*A octagonal guide is used for D13、D20~D60



型號 Model	D	⑤ 彈簧 Springs 指定單位 5 mm Specified the unit 5 mm		① 導柱 Guide post									
		L	FL	D1	D2	LA	H	H1	H2	(HP)	T	M	U
HRGBL	13	70~120	30~100	19	17	12	7	3	5.5	11.0	5	M5X8	2.5
	16	75~135	30~110	24	22	16	10	4	6.5	14.6	6	M6X10	4.3
	20	75~140	40~120	29	28		14	7	8.5	19	8	M8X20	3.0
	25	95~160	60~140	35	35	18				24			3.5
	28	95~160	50~140	37	36	20	16	8	10.5	26.7		M10X20	
	32	115~180	70~155	42	40	23				31	10	M10X25	
	40	120~220	70~200	54	50	35	18	9	12.5	39		M12X30	4.0
	50	150~250	90~230	64	60					48.6	12		5.0
	60	150~250	70~210	74	72	42	20	12	14.5	58.4	15	M14X30	

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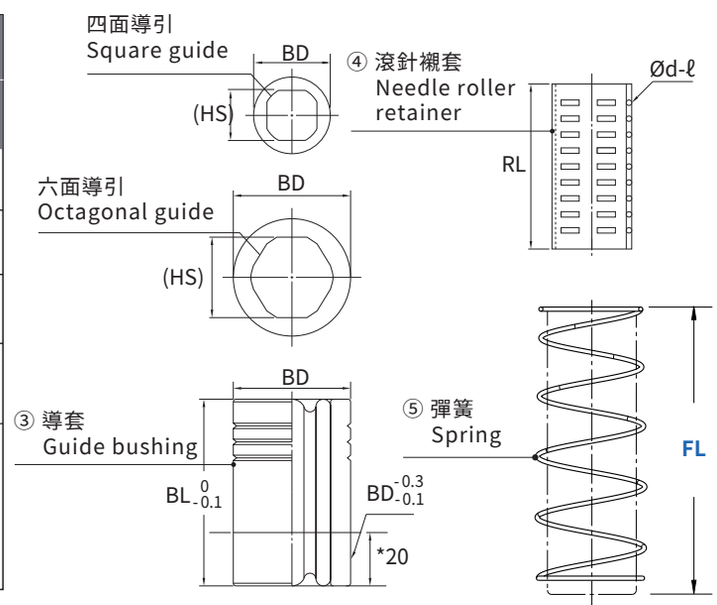
軸徑 Diameter Ø13~Ø60

訂購範例 Order : HRGBL - SKS3 - 13 - 70 - 30

材質 Material | D | L | FL

構成零件 Component		
名稱 Name	材質 Material	硬度 Hardness
① 導柱 Guide post	SKS3 / SUJ2	60~62 HRC
② 緊固墊圈 Retainer washer	S45C	-
③ 導套 Guide bushing	SKS3 / SUJ2	60~62 HRC
④ 滾針襯套 Needle roller retainer	滾針: SUJ2 Needle(POM): SUJ2	60~62 HRC
	保持器: 超級工程塑膠 Retainer: Super engineering plastic	-
⑤ 彈簧 Spring	SWP-B	

*④ 滾針襯套可單品銷售，詳細請洽客服人員
Needle roller retainer can be sold as a single product, please contact customer service for details.



*D13、D16 會變成 0
The dimension is 0 for D13 、 D16

D	③ 導套 Guide bushing					④ 滾針襯套 Needle roller retainer			
	BD		BL	(HS)	槽數 Number of slots	RL	d	ℓ	滾針數量 Amount of needle
13	23	0 -0.006	40	15	3	30	2.0	4.8	45
16	30			18.6		30		6.8	24
20	37	0 -0.007	60	23		52			48
25	45		70	28		62		7.8	54
28	47		75	31.7		66	2.5		60
32	55	0 -0.008	78	36	4	68			
40	68		92	45	5	78	3.0	9.8	72
50	80		96	54.6		82		11.8	78
60	95		120	66.4	6	116	4.0	13.8	84