




















































































Contents 總目錄

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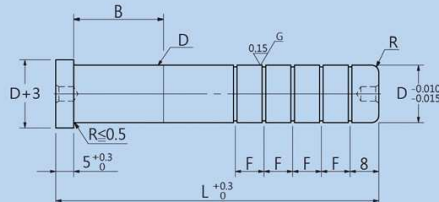
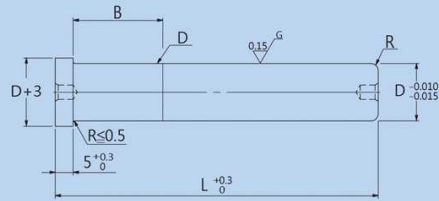
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5μm Guide Pin-Head Type  
5μm卸料板導柱-肩型



※ L < 119.5 → F = 8  
L > 119.5 → F = 10

- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

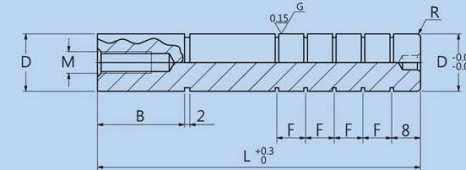
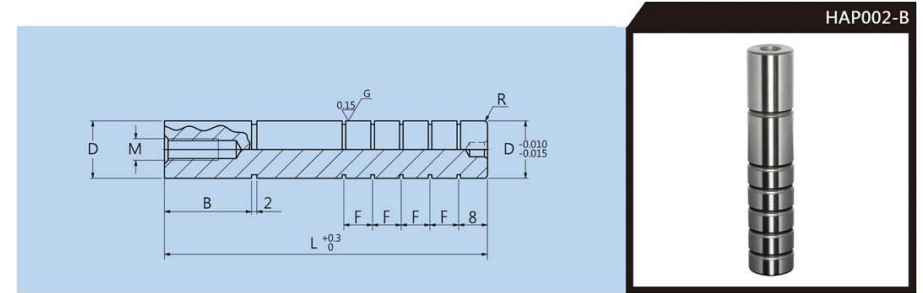
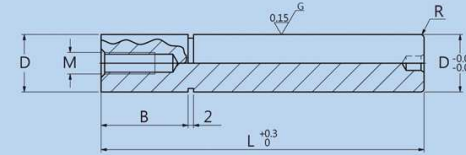
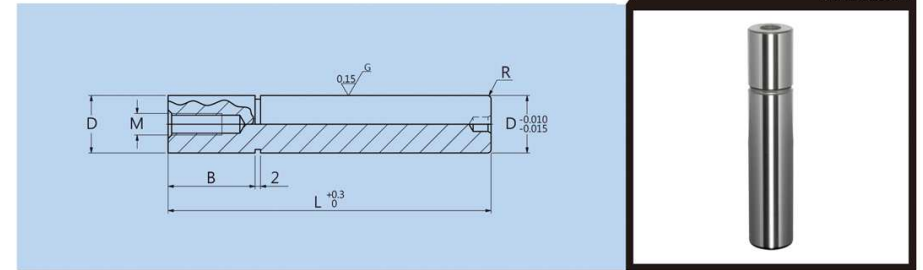
- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3個工作日

Order No.	B	R	D	TOL.	L	G	Order No.	B	R	D	TOL.	L	G
HAP001-□-001	10	1.0	8	+0.012 +0.007	40	2	HAP001-□-026	20	1.5	16	+0.014 +0.008	90	6
HAP001-□-002					50	3	HAP001-□-027					100	6
HAP001-□-003					60	3	HAP001-□-028					110	6
HAP001-□-004					70	4	HAP001-□-029					120	6
HAP001-□-005					80	5	HAP001-□-030					130	6
HAP001-□-006	13	1.0	10	+0.012 +0.007	40	2	HAP001-□-031					140	6
HAP001-□-007					50	3	HAP001-□-032	25	2.0	20	+0.016 +0.009	60	3
HAP001-□-008					60	3	HAP001-□-033					70	4
HAP001-□-009					70	4	HAP001-□-034					80	5
HAP001-□-010					80	5	HAP001-□-035					90	6
HAP001-□-011					90	6	HAP001-□-036					100	6
HAP001-□-012					100	6	HAP001-□-037					110	6
HAP001-□-013	16	1.5	13	+0.014 +0.008	40	2	HAP001-□-038					120	6
HAP001-□-014					50	3	HAP001-□-039					130	6
HAP001-□-015					60	3	HAP001-□-040					140	6
HAP001-□-016					70	4	HAP001-□-041	28	2.0	25	+0.016 +0.009	70	4
HAP001-□-017					80	5	HAP001-□-042					80	5
HAP001-□-018					90	6	HAP001-□-043					90	6
HAP001-□-019					100	6	HAP001-□-044					100	6
HAP001-□-020					110	6	HAP001-□-045					110	6
HAP001-□-021					120	6	HAP001-□-046					120	6
HAP001-□-022	20	1.5	16	+0.014 +0.008	50	3	HAP001-□-047					130	6
HAP001-□-023					60	3	HAP001-□-048					140	6
HAP001-□-024					70	4							
HAP001-□-025					80	5							

Order Ex : HAP001-□-001  
□ --- A or B A 或 B

※ G=Grooves

5μm Guide Pin-Straight Type  
5μm卸料板導柱-直型



※ L < 119.5 → F = 8  
L > 119.5 → F = 10

- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3個工作日

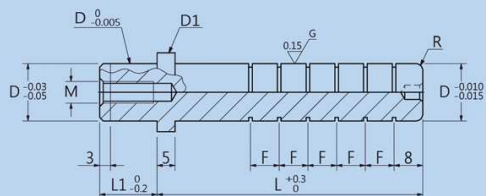
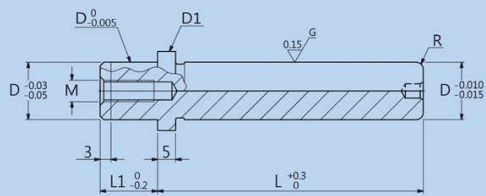
Order No.	B	MxL	R	D	TOL.	L	G	Order No.	B	MxL	R	D	TOL.	L	G
HAP002-□-001	10	M5x12	1.0	8	+0.023 +0.016	40	2	HAP002-□-026	20	M6x15	1.5	16	+0.028 +0.019	90	6
HAP002-□-002						50	3	HAP002-□-027						100	6
HAP002-□-003						60	3	HAP002-□-028						110	6
HAP002-□-004						70	4	HAP002-□-029						120	6
HAP002-□-005						80	5	HAP002-□-030	25	M8x20	2.0	20	+0.034 +0.023	60	3
HAP002-□-006	13	M5x12	1.0	10	+0.023 +0.016	40	2	HAP002-□-031						70	4
HAP002-□-007						50	3	HAP002-□-032						80	5
HAP002-□-008						60	3	HAP002-□-033						90	6
HAP002-□-009						70	4	HAP002-□-034						100	6
HAP002-□-010						80	5	HAP002-□-035						110	6
HAP002-□-011						90	6	HAP002-□-036						120	6
HAP002-□-012						100	6	HAP002-□-037						130	6
HAP002-□-013	16	M6x15	1.5	13	+0.028 +0.019	40	2	HAP002-□-038						140	6
HAP002-□-014						50	3	HAP002-□-039	28	M8x20	2.0	25	+0.034 +0.023	70	4
HAP002-□-015						60	3	HAP002-□-040						80	5
HAP002-□-016						70	4	HAP002-□-041						90	6
HAP002-□-017						80	5	HAP002-□-042						100	6
HAP002-□-018						90	6	HAP002-□-043						110	6
HAP002-□-019						100	6	HAP002-□-044						120	6
HAP002-□-020						110	6	HAP002-□-045						130	6
HAP002-□-021						120	6	HAP002-□-046						140	6
HAP002-□-022	20	M6x15	1.5	16	+0.028 +0.019	50	3								
HAP002-□-023						60	3								
HAP002-□-024						70	4								
HAP002-□-025						80	5								

Order Ex : HAP002-□-001  
□ --- A or B A 或 B

※ G=Grooves

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5μm Guide Pin-Removable Type  
5μm卸料板導柱-快換型



※ L < 119.5 → F = 8  
L > 119.5 → F = 10

- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 軸體淬火
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3個工作日

Order No.	MxL	R	D	D1	L	L1	G
HAP003-□-001	M5x12	1.0	8	13	30	8	2
HAP003-□-002					40	3	
HAP003-□-003					50	3	
HAP003-□-004					60	4	
HAP003-□-005					70	5	
HAP003-□-006	M5x12	1.0	10	16	30	8	2
HAP003-□-007					40	3	
HAP003-□-008					50	3	
HAP003-□-009					60	4	
HAP003-□-010					70	5	
HAP003-□-011					80	6	
HAP003-□-012	M6x15	1.5	13	20	40	10	3
HAP003-□-013					50	3	
HAP003-□-014					60	4	
HAP003-□-015					70	5	
HAP003-□-016					80	6	
HAP003-□-017					90	6	
HAP003-□-018					100	6	
HAP003-□-019	M6x15	1.5	16	23	40	10	3
HAP003-□-020					50	3	
HAP003-□-021					60	4	
HAP003-□-022					70	5	
HAP003-□-023					80	6	
HAP003-□-024					90	6	
HAP003-□-025					100	6	

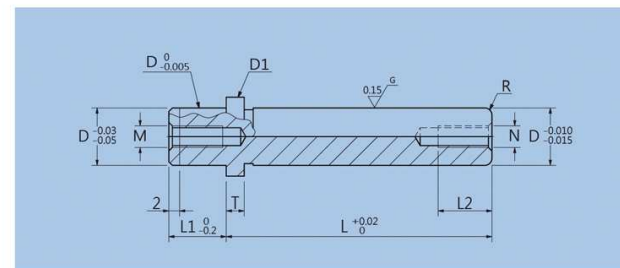
Order No.	MxL	R	D	D1	L	L1	G
HAP003-□-026	M6x15	1.5	16	23	110	10	6
HAP003-□-027					120	6	
HAP003-□-028	M8x20	2.0	20	27	50	13	3
HAP003-□-029					60	4	
HAP003-□-030					70	5	
HAP003-□-031					80	6	
HAP003-□-032					90	6	
HAP003-□-033					100	6	
HAP003-□-034					110	6	
HAP003-□-035					120	6	
HAP003-□-036	M8x20	2.0	25	32	60	16	4
HAP003-□-037					70	5	
HAP003-□-038					80	6	
HAP003-□-039					90	6	
HAP003-□-040					100	6	
HAP003-□-041					110	6	
HAP003-□-042					120	6	

Order Ex : HAP003-□-001

□ -- -A or B A 或 B

※ G=Grooves

5μm Guide Pin-Removable Type  
5μm卸料板導柱-快換型



- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 軸體淬火
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3個工作日

Order No.	MxL	N	R	T	D	D1	L(u:5mm)	L1	L2
HAP004-001-L	M4x12	M4	1.0	3	8	12	25-70	8	13
HAP004-002-L	M4x12	M4	1.0	3	10	14	25-70	10	13
HAP004-003-L	M5x15	M5	1.5	5	13	17	30-75	10	15
HAP004-004-L	M6x15	M6	1.5	5	16	23	40-100	10	15
HAP004-005-L	M8x20	M8	2.0	5	20	27	60-120	13	21
HAP004-006-L	M8x20	M8	2.0	5	25	32	60-120	16	21

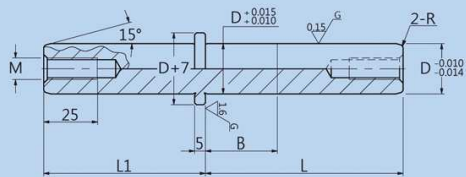
Order Ex : HAP004-001-L

L -- -Length of Post 導柱長度

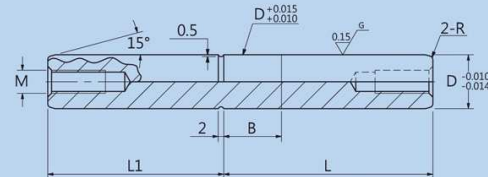
※ u=unit

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5μm Guide Pin with Flange  
法蘭型5μm卸料板導柱



5μm Guide Pin-Straight Type  
5μm卸料板導柱-直型



- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3 個工作日

Order No.	MxL	R	D	L	L1	B(u:1mm)	Order No.	MxL	R	D	L	L1	B(u:1mm)	
HAP005-001-B	M5x22	1.5	13	60	30	10~30	HAP005-025-B	M8x25	2	20	80	40	10~30	
HAP005-002-B					40		HAP005-026-B					50		
HAP005-003-B					50		HAP005-027-B					60		
HAP005-004-B				70	30	10~30	HAP005-028-B					70		
HAP005-005-B					40		HAP005-029-B				90	40	10~30	
HAP005-006-B					50		HAP005-030-B					50		
HAP005-007-B					60		HAP005-031-B					60		
HAP005-008-B			80	40	10~30		HAP005-032-B					70		
HAP005-009-B					50		HAP005-033-B				100	50	10~30	
HAP005-010-B					60		HAP005-034-B					60		
HAP005-011-B	M6x25	2	16	70	30	10~30	HAP005-035-B					70		
HAP005-012-B					40		HAP005-036-B					80		
HAP005-013-B					50		HAP005-037-B	M8x25	3	25	90	50	10~30	
HAP005-014-B					60		HAP005-038-B					60		
HAP005-015-B					80	30	10~30	HAP005-039-B					70	
HAP005-016-B					40		HAP005-040-B					100	50	10~30
HAP005-017-B					50		HAP005-041-B					60		
HAP005-018-B					60		HAP005-042-B					70		
HAP005-019-B					70		HAP005-043-B					80		
HAP005-020-B				90	40	10~30	HAP005-044-B					110	60	10~30
HAP005-021-B					50		HAP005-045-B					70		
HAP005-022-B					60		HAP005-046-B					80		
HAP005-023-B					70		HAP005-047-B					90		
HAP005-024-B					80		Order Ex : HAP005-001-B							

! ---Length of Pressfit 壓入部長度

※ u=unit

- Roundness 2μm
- Concentricity 5μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 5μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3 個工作日

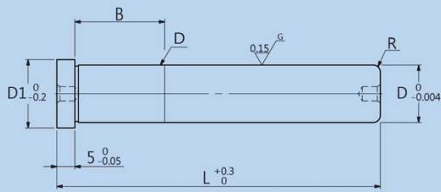
Order No.	MxL	R	D	L	L1	B(u:1mm)	Order No.	MxL	R	D	L	L1	B(u:1mm)
HAP006-001-B	M6x25	2	16	70	30	10~30	HAP006-026-B	M8x25	2	20	100	80	10~30
HAP006-002-B					40		HAP006-027-B	M8x25	3	25	90	50	10~30
HAP006-003-B					50		HAP006-028-B					60	
HAP006-004-B					60		HAP006-029-B					70	
HAP006-005-B				80	30	10~30	HAP006-030-B				100	50	10~30
HAP006-006-B					40		HAP006-031-B					60	
HAP006-007-B					50		HAP006-032-B					70	
HAP006-008-B					60		HAP006-033-B					80	
HAP006-009-B					70		HAP006-034-B				110	60	10~30
HAP006-010-B				90	40	10~30	HAP006-035-B					70	
HAP006-011-B					50		HAP006-036-B					80	
HAP006-012-B					60		HAP006-037-B					90	
HAP006-013-B					70								
HAP006-014-B					80								
HAP006-015-B	M8x25	2	20	80	40	10~30							
HAP006-016-B					50								
HAP006-017-B					60								
HAP006-018-B					70								
HAP006-019-B				90	40	10~30							
HAP006-020-B					50								
HAP006-021-B					60								
HAP006-022-B					70								
HAP006-023-B				100	50	10~30							
HAP006-024-B					60		Order Ex : HAP006-001-B						
HAP006-025-B					70		! ---Length of Pressfit 壓入部長度						

! ---Length of Pressfit 壓入部長度

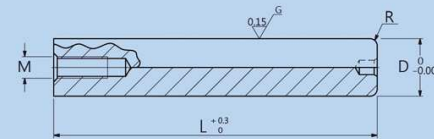
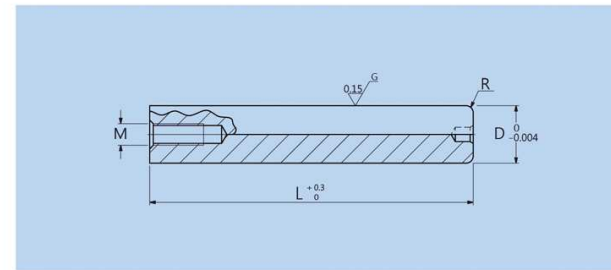
※ u=unit



Guide Pin-Head Type  
卸料板導柱-肩型



Guide Pin-Straight Type  
卸料板導柱-直型



HAP008

- Roundness 2µm
- Concentricity 5µm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 2µm
- 同心(軸)度 5µm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	B	R	D	TOL.	D1	L	Order No.	B	R	D	TOL.	D1	L
HAP007-001	16	1	10	+0.023 +0.016	13	40	HAP007-021	30	3	25	+0.034 +0.023	28	80
HAP007-002						50	HAP007-022						90
HAP007-003						60	HAP007-023						100
HAP007-004						70	HAP007-024						110
HAP007-005	20	1	13	+0.028 +0.019	16	50	HAP007-025						120
HAP007-006						60							
HAP007-007						70							
HAP007-008						80							
HAP007-009						90							
HAP007-010	25	2	16	+0.028 +0.019	19	60							
HAP007-011						70							
HAP007-012						80							
HAP007-013						90							
HAP007-014						100							
HAP007-015	30	3	20	+0.034 +0.023	23	70							
HAP007-016						80							
HAP007-017						90							
HAP007-018						100							
HAP007-019						110							
HAP007-020						120							

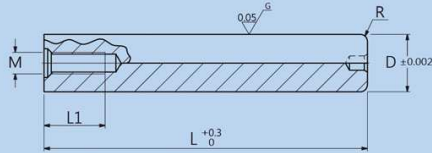
- Roundness 2µm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 2µm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	R	MxL	D	L	Order No.	R	MxL	D	L
HAP008-001	1	M5x10	10	40					
HAP008-002				50					
HAP008-003				60					
HAP008-004				70					
HAP008-005	1	M5x10	13	50					
HAP008-006				60					
HAP008-007				70					
HAP008-008				80					
HAP008-009				90					
HAP008-010	2	M5x10	16	60					
HAP008-011				70					
HAP008-012				80					
HAP008-013				90					
HAP008-014				100					
HAP008-015	3	M6x12	20	70					
HAP008-016				80					
HAP008-017				90					
HAP008-018				100					
HAP008-019				110					
HAP008-020				120					
HAP008-021	3	M6x12	25	80					
HAP008-022				90					
HAP008-023				100					
HAP008-024				110					
HAP008-025				120					

Guide Pin-Straight Type  
卸料板導柱-直型

HAP009



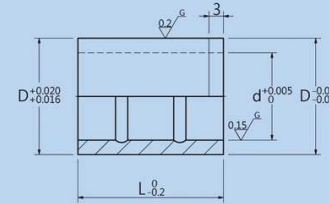
- Roundness 2μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 2μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3 個工作日

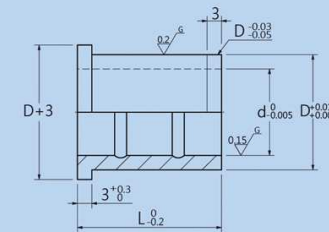
Order No.	M	R	D	L	L1	Order No.	M	R	D	L	L1
HAP009-001	M6xP1.0	1.5	13	60	15						
HAP009-002				70							
HAP009-003				80							
HAP009-004	M6xP1.0	1.5	16	70	15						
HAP009-005				80							
HAP009-006				90							
HAP009-007	M8xP1.25	2	20	80	20						
HAP009-008				90							
HAP009-009				100							

5μm Guide Bushing-Straight and Head Type  
5μm卸料板導套-直/肩型

HAB001-A



HAB001-B



- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3 個工作日

Order No.	D	d	L	Order No.	D	d	L
HAB001-□-001	12	8	10	HAB001-B-025	25	20	16*
HAB001-□-002			13	HAB001-□-026			20
HAB001-□-003			16	HAB001-B-027			22*
HAB001-□-004			20	HAB001-□-028			25
HAB001-□-005	14	10	10	HAB001-□-029			30
HAB001-□-006			13	HAB001-B-030			35*
HAB001-□-007			16	HAB001-B-031	32	25	20*
HAB001-□-008			20	HAB001-B-032			22*
HAB001-B-009		22*		HAB001-□-033			25
HAB001-□-010			25	HAB001-□-034			30
HAB001-□-011	18	13	13	HAB001-□-035			35
HAB001-□-012			16				
HAB001-□-013			20				
HAB001-B-014			22*				
HAB001-□-015			25				
HAB001-B-016			30*				
HAB001-B-017			35*				
HAB001-B-018	22	16	13*				
HAB001-□-019			16				
HAB001-□-020			20				
HAB001-B-021			22*				
HAB001-□-022			25				
HAB001-□-023			30				
HAB001-B-024			35*				

Order Ex : HAB001-□-001

□ : --A or B A 或 B

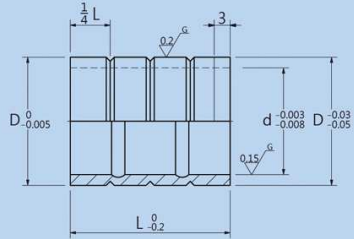
※ L\* : B Type Only B型獨有規格

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Contact : [headway@hdw.com.tw](mailto:headway@hdw.com.tw)

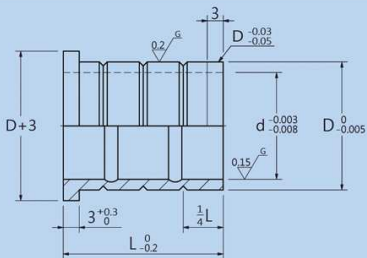
5µm Guide Bushing-Straight and Head Type

5µm卸料板導套-直/肩型

HAB002-A



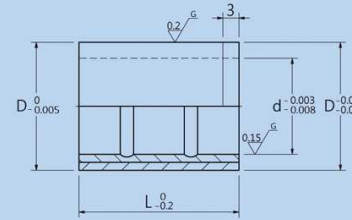
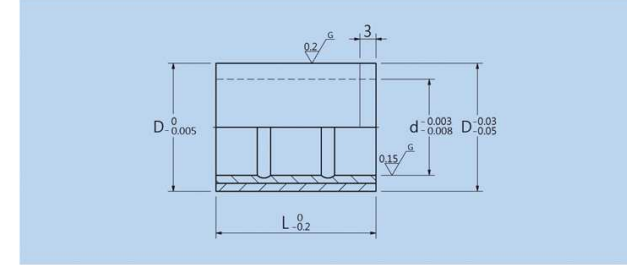
HAB002-B



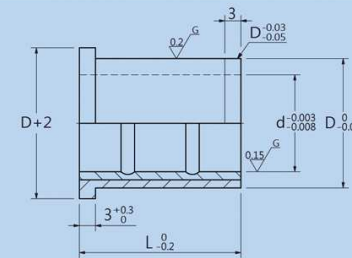
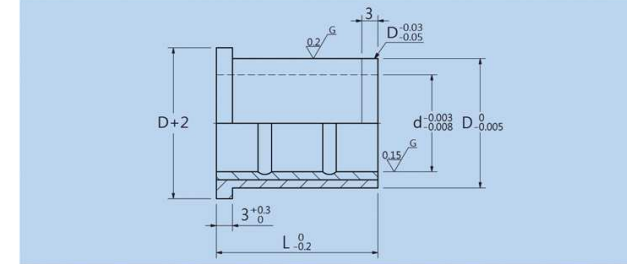
5µm Guide Bushing-Straight and Head Type with Oil

5µm卸料板導套-直/肩型給油型

HAB003-A



HAB003-B



- Roundness 2µm
- Concentricity 10µm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2µm
- 同心(軸)度 10µm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 表面處理 塗黑(黑色氧化)
- 交貨日 3 個工作日

Order No.	D	d	L
HAB002-□-001	12	8	10
HAB002-□-002			13
HAB002-□-003			16
HAB002-□-004			20
HAB002-□-005	14	10	10
HAB002-□-006			13
HAB002-□-007			16
HAB002-□-008			20
HAB002-□-009			22
HAB002-□-010			25
HAB002-□-011	18	13	13
HAB002-□-012			16
HAB002-□-013			20
HAB002-□-014			22
HAB002-□-015			25
HAB002-□-016			30
HAB002-□-017			35
HAB002-□-018	22	16	13
HAB002-□-019			16
HAB002-□-020			20
HAB002-□-021			22
HAB002-□-022			25
HAB002-□-023			30
HAB002-□-024			35

Order No.	D	d	L
HAB002-□-025	25	20	16
HAB002-□-026			20
HAB002-□-027			22
HAB002-□-028			25
HAB002-□-029			30
HAB002-□-030			35
HAB002-□-031	32	25	20
HAB002-□-032			22
HAB002-□-033			25
HAB002-□-034			30
HAB002-□-035			35

Order Ex : HAB002-□-001  
 □ -- A or B A 或 B

- Roundness 2µm
- Concentricity 10µm
- Material Steel with Bronze Coated Internal Bore
- Hardness HRC45
- Delivery 3 Working Days

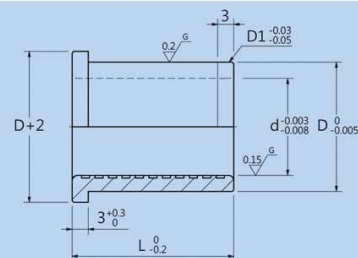
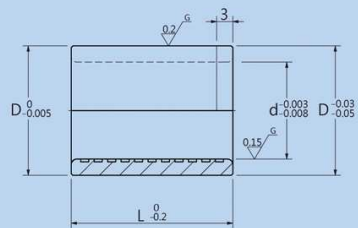
- 真圓度 2µm
- 同心(軸)度 10µm
- 材質 銅鐵合金
- 硬度 HRC45
- 交貨日 3 個工作日

Order No.	D	d	L
HAB003-□-001	16	10	10
HAB003-□-002			13
HAB003-□-003			16
HAB003-□-004			20
HAB003-□-005			22
HAB003-□-006			25
HAB003-□-007	20	13	13
HAB003-□-008			16
HAB003-□-009			20
HAB003-□-010			22
HAB003-□-011			25
HAB003-□-012			30
HAB003-□-013	24	16	16
HAB003-□-014			20
HAB003-□-015			22
HAB003-□-016			25
HAB003-□-017			30
HAB003-□-018			35
HAB003-□-019	28	20	16
HAB003-□-020			20
HAB003-□-021			22
HAB003-□-022			25
HAB003-□-023			30
HAB003-□-024			35

Order No.	D	d	L
HAB003-□-025	34	25	20
HAB003-□-026			22
HAB003-□-027			25
HAB003-□-028			30
HAB003-□-029			35

Order Ex : HAB003-□-001  
 □ -- A or B A 或 B

5μm Guide Bushing-Straight and Head Type with Oilless  
5μm卸料板導套-直/肩型無給油型



-Roundness 2μm  
-Concentricity 10μm  
-Material FC250+MoS2  
-Delivery 3 Working Days

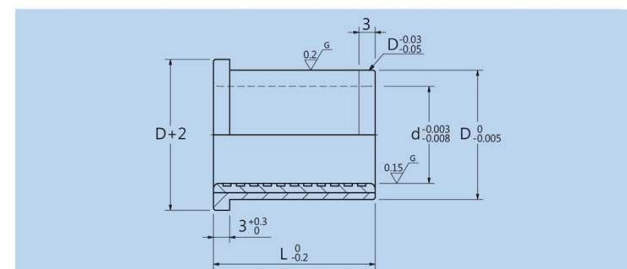
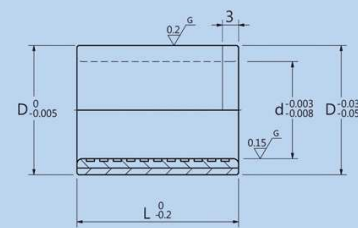
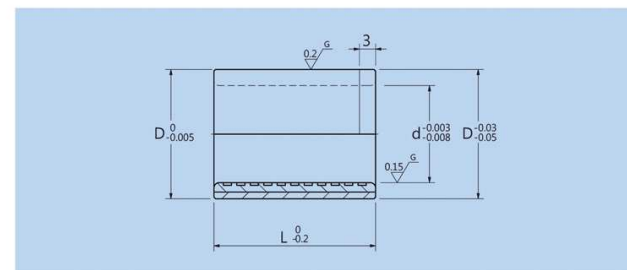
-真圓度 2μm  
-同心(軸)度 10μm  
-材質 鑄鐵+二硫化鉬  
-交貨日 3 個工作日

Order No.	D	d	L	Order No.	D	d	L
HAB004-□-001	13	8	10	HAB004-□-024	28	20	16
HAB004-□-002			13	HAB004-□-025			20
HAB004-□-003			16	HAB004-□-026			22
HAB004-□-004			20	HAB004-□-027			25
HAB004-□-005	16	10	10	HAB004-□-028			30
HAB004-□-006			13	HAB004-□-029			35
HAB004-□-007			16	HAB004-□-030	34	25	20
HAB004-□-008			20	HAB004-□-031			22
HAB004-□-009			22	HAB004-□-032			25
HAB004-□-010			25	HAB004-□-033			30
HAB004-□-011	20	13	13	HAB004-□-034			35
HAB004-□-012			16				
HAB004-□-013			20				
HAB004-□-014			22				
HAB004-□-015			25				
HAB004-□-016			30				
HAB004-□-017	24	16	13				
HAB004-□-018			16				
HAB004-□-019			20				
HAB004-□-020			22				
HAB004-□-021			25				
HAB004-□-022			30				
HAB004-□-023			35				

Order Ex : HAB004-□-001

□ ---A or B A 或 B

5μm Guide Bushing-Straight and Head Type with Oilless  
5μm卸料板導套-直/肩型無給油型



-Roundness 2μm  
-Concentricity 10μm  
-Material Steel with Bronze Coated Internal Bore+MoS2  
-Hardness HRC45  
-Delivery 3 Working Days

-真圓度 2μm  
-同心(軸)度 10μm  
-材質 鋼鐵合金+二硫化鉬  
-硬度 HRC45  
-交貨日 3 個工作日

Order No.	D	d	L	Order No.	D	d	L
HAB005-□-001	16	10	10	HAB005-□-025	34	25	20
HAB005-□-002			13	HAB005-□-026			22
HAB005-□-003			16	HAB005-□-027			25
HAB005-□-004			20	HAB005-□-028			30
HAB005-□-005			22	HAB005-□-029			35
HAB005-□-006			25				
HAB005-□-007	20	13	13				
HAB005-□-008			16				
HAB005-□-009			20				
HAB005-□-010			22				
HAB005-□-011			25				
HAB005-□-012			30				
HAB005-□-013	24	16	16				
HAB005-□-014			20				
HAB005-□-015			22				
HAB005-□-016			25				
HAB005-□-017			30				
HAB005-□-018			35				
HAB005-□-019	28	20	16				
HAB005-□-020			20				
HAB005-□-021			22				
HAB005-□-022			25				
HAB005-□-023			30				
HAB005-□-024			35				

Order Ex : HAB005-□-001

□ ---A or B A 或 B

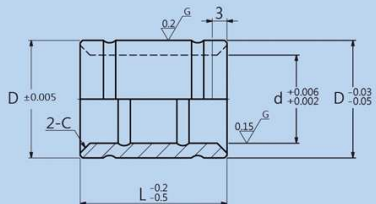




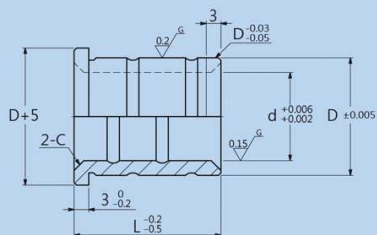




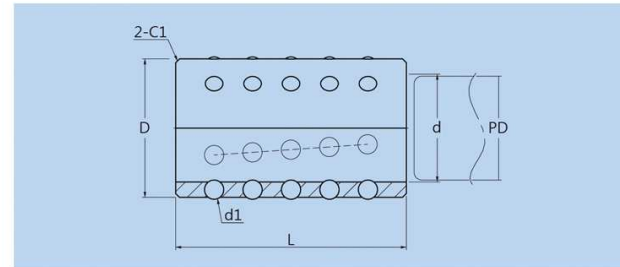
HAB011-A



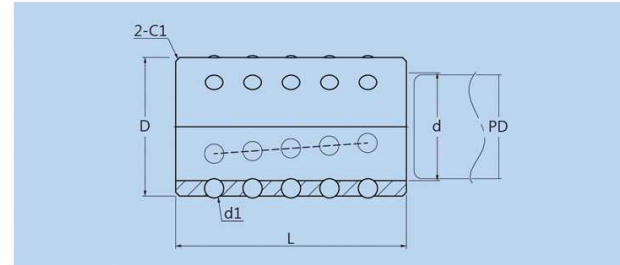
HAB011-B



HWC001



HWC002



- Roundness 2µm
- Concentricity 10µm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 2µm
- 同心(軸)度 10µm
- 材質 軸承鋼
- 熱處理 整體淬火
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	C	D	d	L
HAB011-□-001	1	15	10	13
HAB011-□-002				15
HAB011-□-003				20
HAB011-□-004	1.5	18	13	13
HAB011-□-005				15
HAB011-□-006				20
HAB011-□-007				25
HAB011-□-008	1.5	22	16	15
HAB011-□-009				20
HAB011-□-010				25
HAB011-□-011				30
HAB011-□-012				35
HAB011-□-013	2	26	20	20
HAB011-□-014				25
HAB011-□-015				30
HAB011-□-016				35
HAB011-□-017				40
HAB011-□-018	2	31	25	20
HAB011-□-019				25
HAB011-□-020				30
HAB011-□-021				35
HAB011-□-022				40

Order Ex : HAB011-□-001  
 □ --A or B    A 或 B

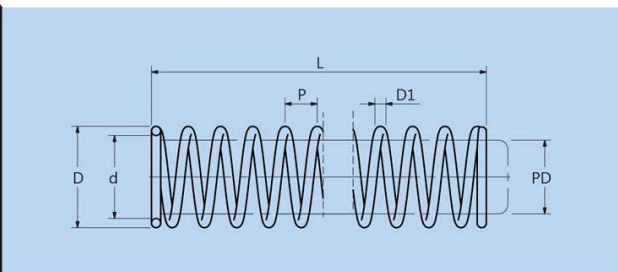
- Material POM-HWC001  
Aluminium-HWC002  
SUJ2 (1.3505)-Balls
- Surface Treatment Anodizing-HWC002
- Delivery 3 Working Days

- 材質 鋁合金-HWC001  
軸承鋼-鋼球
- 表面處理 陽極處理-HWC002
- 交貨日 3 個工作日

Order No.	PD	D	d	d1	L	Balls
HWC001-001	10	13.7	10.3	2	25	80
HWC001-002					30	104
HWC001-003					35	120
HWC001-004	13	16.7	13.3	2	25	100
HWC001-005					30	130
HWC001-006					35	150
HWC001-007	16	19.7	16.3	2	30	143
HWC001-008					35	165
HWC001-009					40	198
HWC001-010	20	25.5	20.5	3	30	99
HWC001-011					35	110
HWC001-012					40	132
HWC001-013					45	154
HWC001-014	25	30.5	25.5	3	35	140
HWC001-015					40	168
HWC001-016					45	196
HWC001-017					50	210

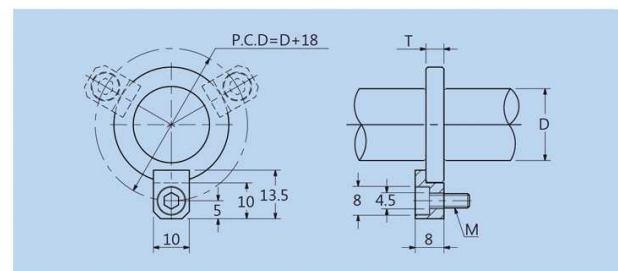
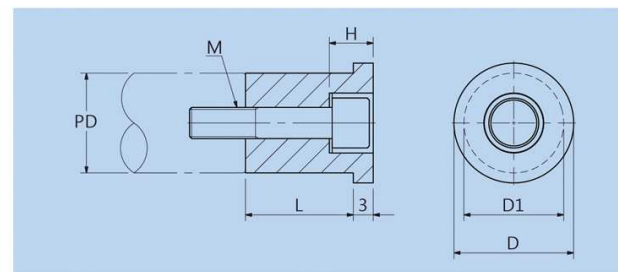
Order No.	PD	D	d	d1	L	Balls
HWC002-001	10	13.7	10.3	2	25	80
HWC002-002					30	104
HWC002-003					35	120
HWC002-004	13	16.7	13.3	2	25	100
HWC002-005					30	130
HWC002-006					35	150
HWC002-007	16	19.7	16.3	2	30	143
HWC002-008					35	165
HWC002-009					40	198
HWC002-010	20	25.5	20.5	3	30	99
HWC002-011					35	110
HWC002-012					40	132
HWC002-013					45	154
HWC002-014	25	30.5	25.5	3	35	140
HWC002-015					40	168
HWC002-016					45	196
HWC002-017					50	210





-Material		SWP-B					-材質		彈簧鋼				
-Surface Treatment		Blackening					-表面處理		染黑 (黑色氧化)				
-Delivery		3 Working Days					-交貨日		3 個工作日				
Order No.	PD	D	D1	d	P	L(u:5mm)	Order No.	PD	D	D1	d	P	L(u:5mm)
HWA001-001-L	10	11.7	0.6	10.5	5	30~80							
HWA001-002-L	13	14.9	0.7	13.5	6	30~80							
HWA001-003-L	16	18.3	0.8	16.5	12	30~90							
HWA001-004-L	20	22.5	1.0	20.5	14	35~90							
HWA001-005-L	22	24.5	1.0	22.5	14	40~140							
HWA001-006-L	25	27.9	1.2	25.5	14	40~150							
HWA001-007-L	28	31.3	1.4	28.5	16	50~150							
HWA001-008-L	32	35.7	1.6	32.5	16	70~190							
HWA001-009-L	38	42.5	2.0	38.5	18	80~190							
HWA001-010-L	45	50.1	2.3	45.5	20	80~190							
HWA001-011-L	50	55.7	2.6	50.5	20	80~190							
Order Ex : HWA001-001-L													
		---Length of Spring 彈簧長度											

※ u=unit



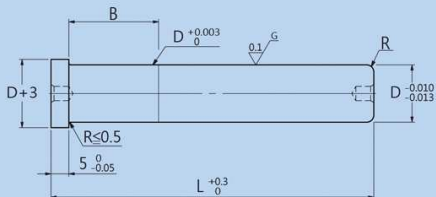
※ Including Screws 附螺絲

-Material		S45C (1.0503)					-材質		中碳鋼				
-Surface Treatment		Blackening					-表面處理		染黑 (黑色氧化)				
-Delivery		3 Working Days					-交貨日		3 個工作日				
Order No.	PD	H	M	D	D1	L(u:1mm)	Order No.	T	M				
HWA002-001-L	13	6.5	5	15	12	10~20	HWA003-001	5	4				
HWA002-002-L	16	8.5	6	17.3	15	10~20							
HWA002-003-L	20	11	8	24	19	11~25							
HWA002-004-L	25	11	8	29	24	11~30							
Order Ex : HWA002-001-L													
		---Length of Stopper 擋塊長度											

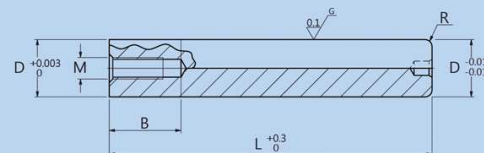
※ u=unit



3μm Guide Pin-Head Type  
3μm卸料板導柱-肩型



3μm Guide Pin-Straight Type  
3μm卸料板導柱-直型



- Roundness 1.5μm
- Concentricity 3μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 1.5μm
- 同心(軸)度 3μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	B	R	D	L
HAP010-001	13	1.0	10	40
HAP010-002				50
HAP010-003				60
HAP010-004				70
HAP010-005				80
HAP010-006				100
HAP010-007	16	1.5	13	50
HAP010-008				60
HAP010-009				70
HAP010-010				80
HAP010-011				90
HAP010-012				100
HAP010-013				120
HAP010-014	20	1.5	16	50
HAP010-015				60
HAP010-016				70
HAP010-017				80
HAP010-018				90
HAP010-019				100
HAP010-020				110
HAP010-021				120
HAP010-022				140

Order No.	B	R	D	L
HAP010-023	25	2.0	20	70
HAP010-024				80
HAP010-025				90
HAP010-026				100
HAP010-027				110
HAP010-028				120
HAP010-029				140
HAP010-030	28	2.0	25	70
HAP010-031				80
HAP010-032				90
HAP010-033				100
HAP010-034				110
HAP010-035				120
HAP010-036				140

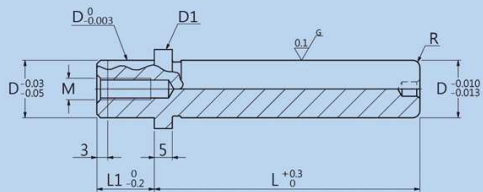
- Roundness 1.5μm
- Concentricity 3μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 1.5μm
- 同心(軸)度 3μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	B	MxL	R	D	L
HAP011-001	13	M5x12	1.0	10	40
HAP011-002					50
HAP011-003					60
HAP011-004					70
HAP011-005					80
HAP011-006					100
HAP011-007	16	M6x15	1.5	13	50
HAP011-008					60
HAP011-009					70
HAP011-010					80
HAP011-011					90
HAP011-012					100
HAP011-013					120
HAP011-014	20	M6x15	1.5	16	50
HAP011-015					60
HAP011-016					70
HAP011-017					80
HAP011-018					90
HAP011-019					100
HAP011-020					110
HAP011-021					120
HAP011-022					140

Order No.	B	MxL	R	D	L
HAP011-023	25	M8x20	2.0	20	70
HAP011-024					80
HAP011-025					90
HAP011-026					100
HAP011-027					110
HAP011-028					120
HAP011-029					140
HAP011-030	28	M8x20	2.0	25	70
HAP011-031					80
HAP011-032					90
HAP011-033					100
HAP011-034					110
HAP011-035					120
HAP011-036					140

3μm Guide Pin-Removable Type  
3μm卸料板導柱-快換型

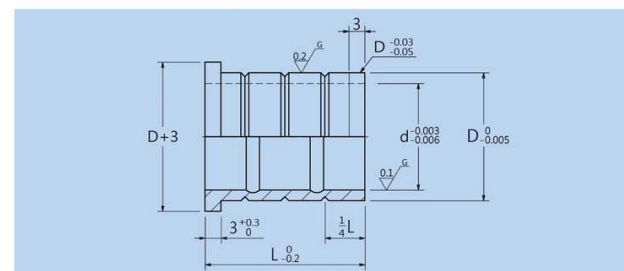
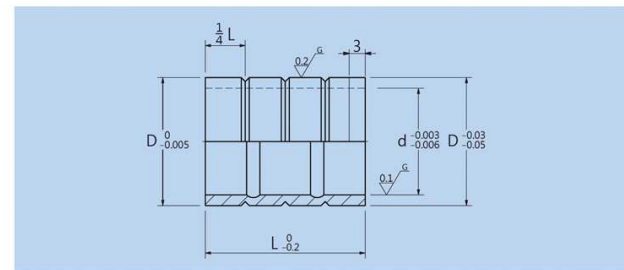


- Roundness 1.5μm
- Concentricity 3μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days

- 真圓度 1.5μm
- 同心(軸)度 3μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	MxL	R	D	D1	L	L1	Order No.	MxL	R	D	D1	L	L1
HAP012-001	M5x12	1.0	10	16	40	8							
HAP012-002					50								
HAP012-003					60								
HAP012-004	M6x15	1.5	13	20	40	10							
HAP012-005					50								
HAP012-006					60								
HAP012-007					70								
HAP012-008	M6x15	1.5	16	23	40	10							
HAP012-009					50								
HAP012-010					60								
HAP012-011					70								
HAP012-012					80								
HAP012-013					90								
HAP012-014					100								
HAP012-015	M8x20	2.0	20	27	50	13							
HAP012-016					60								
HAP012-017					70								
HAP012-018					80								
HAP012-019					90								
HAP012-020					100								

3μm Guide Bushing-Straight and Head Type  
3μm卸料板導套-直/扁型



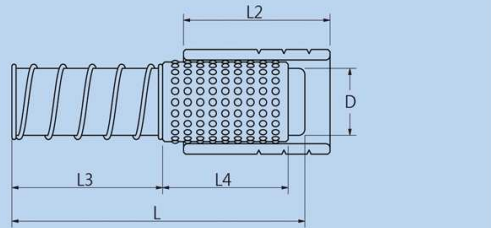
- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Surface Treatment Blackening
- Delivery 3 Working Days

- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 表面處理 染黑(黑色氧化)
- 交貨日 3 個工作日

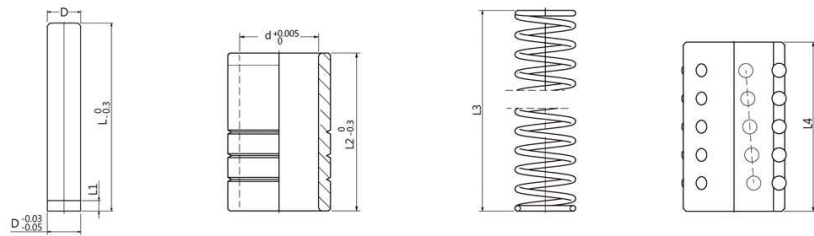
Order No.	D	d	L	Order No.	D	d	L
HAB012-□-001	14	10	10				
HAB012-□-002			13				
HAB012-□-003			16				
HAB012-□-004			20				
HAB012-□-005			22				
HAB012-□-006			25				
HAB012-□-007	18	13	13				
HAB012-□-008			16				
HAB012-□-009			20				
HAB012-□-010			22				
HAB012-□-011			25				
HAB012-□-012			30				
HAB012-□-013	22	16	16				
HAB012-□-014			20				
HAB012-□-015			22				
HAB012-□-016			25				
HAB012-□-017			30				
HAB012-□-018			35				
HAB012-□-019	25	20	20				
HAB012-□-020			22				
HAB012-□-021			25				
HAB012-□-022			30				
HAB012-□-023			35				

Order Ex : HAB012-□-001  
□ ---A or B    A 或 B

Guide Post Set for Mold-Ball Retainer Type  
模架用導柱組件-鋼球型



CONSTITUENT PARTS 構成零件



HAP016

HAB016

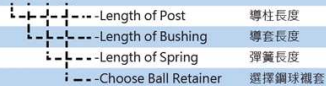
HWA001

HWC001(A)  
HWC002(B)  
HAC003(C)  
HAC004(D)

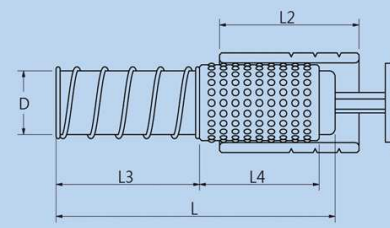
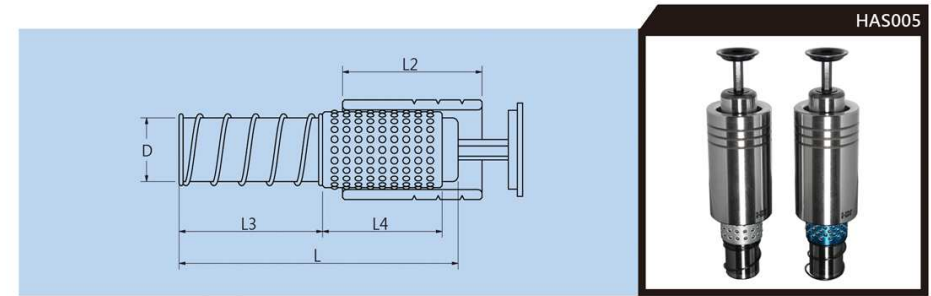
-Delivery		3 Working Days		-交貨日		3 個工作日			
Order No.	D	TOL	d	L	L1	L2	L3 (u:10mm)	L4	
HAS004-001-L-L2-L3-□	20	+0.020 -0.015	26	100/110/120/130/140/150/160/170/180	4	50	40~140	50	
HAS004-002-L-L2-L3-□	22	+0.020 -0.015	28	120/130/140/150/160/170/180	4	50/60	40~140	50/60	
HAS004-003-L-L2-L3-□	25	+0.020 -0.015	31	120/130/140/150/160/170/180	4	60/80	40~150	60/75	
HAS004-004-L-L2-L3-□	28	+0.025 -0.020	36	140/150/160/170/180/190/200	5	60/80	50~150	60/75	
HAS004-005-L-L2-L3-□	32	+0.025 -0.020	40	160/170/180/190/200/220/240	5	80/100	70~190	75/90	
HAS004-006-L-L2-L3-□	38	+0.030 -0.025	48	180/190/200/220/240/260	6	80/100	80~190	75/90	
HAS004-007-L-L2-L3-□	45	+0.030 -0.025	55	180/190/200/220/240/260	6	100/120	80~190	90/110	
HAS004-008-L-L2-L3-□	50	+0.035 -0.030	60	200/220/240/260	7	100/120	80~190	90/110	

- HWC001(A)-Plastic with Max Balls 高剛性塑料
- HWC002(B)-Aluminium with Max Balls 高剛性鋁合金
- HAC003(C)-Plastic 塑料
- HAC004(D)-Aluminium 鋁合金

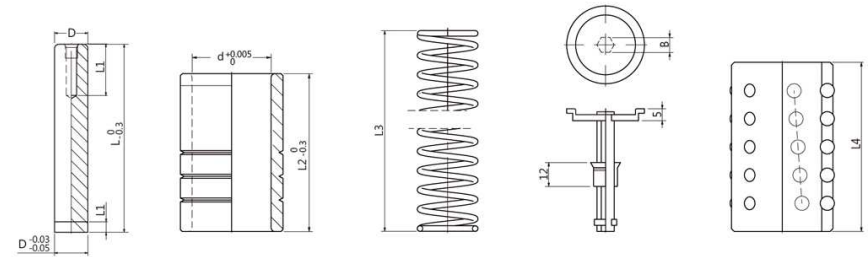
Order Ex : HAS004-001-L-L2-L3-□



Guide Post Set for Mold-Ball Retainer Type  
模架用導柱組件-鋼球型



CONSTITUENT PARTS 構成零件



HAP017

HAB016

HWA001

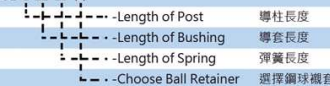
HAA002

HWC001(A)  
HWC002(B)  
HAC003(C)  
HAC004(D)

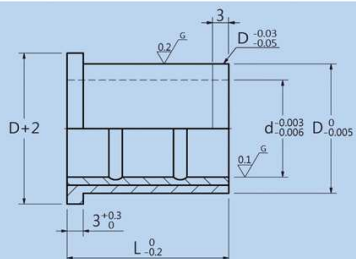
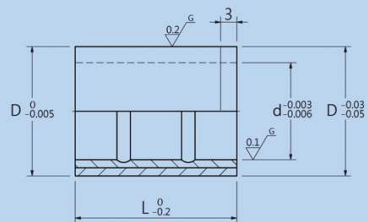
-Delivery		3 Working Days		-交貨日		3 個工作日			
Order No.	B	D	TOL	d	L	L1	L2	L3 (u:10mm)	L4
HAS005-001-L-L2-L3-□	5	20	+0.020 -0.015	26	100/110/120/130/140/150/160/170/180	4	50	40~140	50
HAS005-002-L-L2-L3-□	5	22	+0.020 -0.015	28	120/130/140/150/160/170/180	4	50/60	40~140	50/60
HAS005-003-L-L2-L3-□	6	25	+0.020 -0.015	31	120/130/140/150/160/170/180	4	60/80	40~150	60/75
HAS005-004-L-L2-L3-□	6	28	+0.025 -0.020	36	140/150/160/170/180/190/200	5	60/80	50~150	60/75
HAS005-005-L-L2-L3-□	6	32	+0.025 -0.020	40	160/170/180/190/200/220/240	5	80/100	70~190	75/90
HAS005-006-L-L2-L3-□	8	38	+0.030 -0.025	48	180/190/200/220/240/260	6	80/100	80~190	75/90
HAS005-007-L-L2-L3-□	8	45	+0.030 -0.025	55	180/190/200/220/240/260	6	100/120	80~190	90/110
HAS005-008-L-L2-L3-□	8	50	+0.035 -0.030	60	200/220/240/260	7	100/120	80~190	90/110

- HWC001(A)-Plastic with Max Balls 高剛性塑料
- HWC002(B)-Aluminium with Max Balls 高剛性鋁合金
- HAC003(C)-Plastic 塑料
- HAC004(D)-Aluminium 鋁合金

Order Ex : HAS005-001-L-L2-L3-□



3µm Guide Bushing-Straight and Head Type  
3µm卸料板導套-直/肩型



- Roundness 2µm
- Concentricity 10µm
- Material Steel with Bronze Coated Internal Bore
- Hardness HRC45
- Delivery 3 Working Days

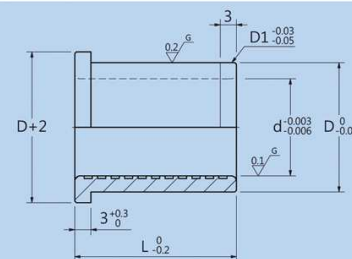
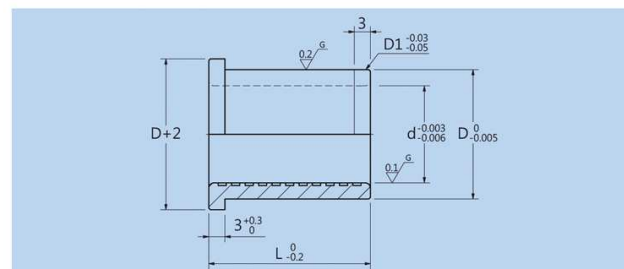
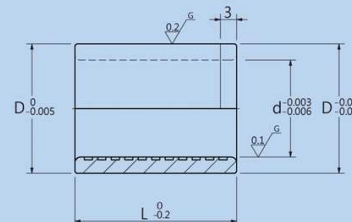
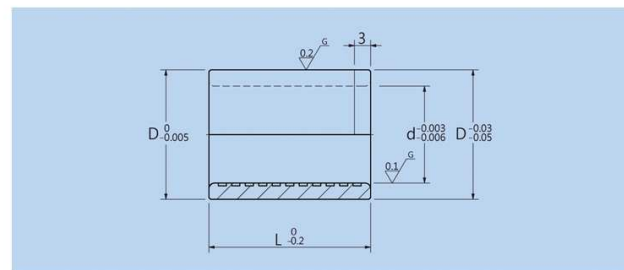
- 真圓度 2µm
- 同心(軸)度 10µm
- 材質 鋼鐵合金
- 硬度 HRC45
- 交貨日 3 個工作日

Order No.	D	d	L
HAB013-□-001	16	10	10
HAB013-□-002			13
HAB013-□-003			16
HAB013-□-004			20
HAB013-□-005			22
HAB013-□-006			25
HAB013-□-007	20	13	13
HAB013-□-008			16
HAB013-□-009			20
HAB013-□-010			22
HAB013-□-011			25
HAB013-□-012			30
HAB013-□-013	24	16	16
HAB013-□-014			20
HAB013-□-015			22
HAB013-□-016			25
HAB013-□-017			30
HAB013-□-018			35
HAB013-□-019	28	20	20
HAB013-□-020			22
HAB013-□-021			25
HAB013-□-022			30
HAB013-□-023			35

Order Ex : HAB013-□-001

□ ---A OR B A或B型

3µm Guide Bushing-Straight and Head Type with Oilless  
3µm卸料板導套-直/肩型無給油型



- Roundness 2µm
- Concentricity 10µm
- Material FC250+MoS2
- Delivery 3 Working Days

- 真圓度 2µm
- 同心(軸)度 10µm
- 材質 鑄鐵+二硫化鉬
- 交貨日 3 個工作日

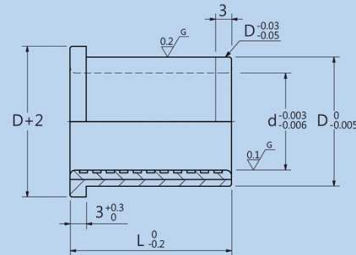
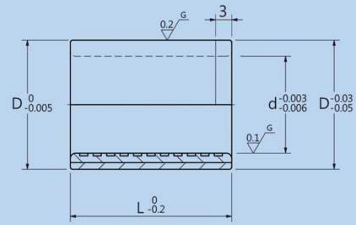
Order No.	D	d	L
HAB014-□-001	16	10	10
HAB014-□-002			13
HAB014-□-003			16
HAB014-□-004			20
HAB014-□-005			22
HAB014-□-006			25
HAB014-□-007	20	13	13
HAB014-□-008			16
HAB014-□-009			20
HAB014-□-010			22
HAB014-□-011			25
HAB014-□-012			30
HAB014-□-013	24	16	16
HAB014-□-014			20
HAB014-□-015			22
HAB014-□-016			25
HAB014-□-017			30
HAB014-□-018			35
HAB014-□-019	28	20	20
HAB014-□-020			22
HAB014-□-021			25
HAB014-□-022			30
HAB014-□-023			35
HAB014-□-024	34	25	20
HAB014-□-025			22

Order Ex : HAB014-□-001

□ ---A or B A或B



3μm Guide Bushing-Straight and Head Type with Oilless  
3μm卸料板導套-直/肩型無給油型

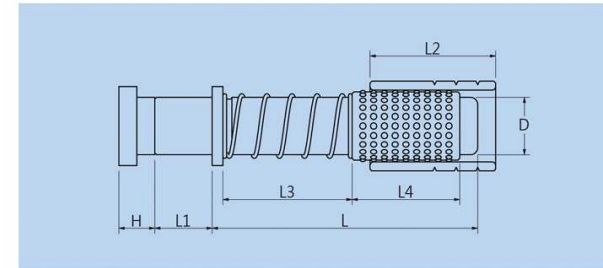


- |   |   |                        |                          |
|---|---|------------------------|--------------------------|
| -Roundness<br>-Concentricity<br>-Material | 2μm<br>10μm<br>Steel with Bronze Coated<br>Internal Bore+MoS2 | -真圓度<br>-同心(軸)度<br>-材質 | 2μm<br>10μm<br>鋼鐵合金+二硫化鉬 |
| -Hardness<br>-Delivery                    | HRC45<br>3 Working Days                                       | -硬度<br>-交貨日            | HRC45<br>3 個工作日          |

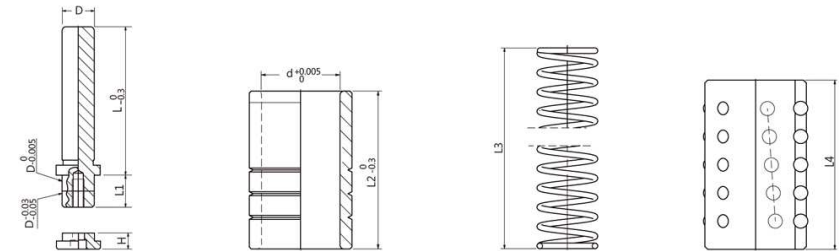
Order No.	D	d	L	Order No.	D	d	L
HAB015-□-001	16	10	10	HAB015-□-026	34	25	25
HAB015-□-002		13		HAB015-□-027		30	
HAB015-□-003		16		HAB015-□-028		35	
HAB015-□-004		20					
HAB015-□-005		22					
HAB015-□-006		25					
HAB015-□-007	20	13	13				
HAB015-□-008		16					
HAB015-□-009		20					
HAB015-□-010		22					
HAB015-□-011		25					
HAB015-□-012		30					
HAB015-□-013	24	16	16				
HAB015-□-014		20					
HAB015-□-015		22					
HAB015-□-016		25					
HAB015-□-017		30					
HAB015-□-018		35					
HAB015-□-019	28	20	20				
HAB015-□-020		22					
HAB015-□-021		25					
HAB015-□-022		30					
HAB015-□-023		35					
HAB015-□-024	34	25	20				
HAB015-□-025		22					

Order Ex : HAB015-□-001  
□ --A or B    A 或 B

Guide Post Set for Mold-Ball Retainer Type  
模架用導柱組件-鋼球型



CONSTITUENT PARTS 構成零件



- |        |        |        |  |
|--------|--------|--------|--|
| HAP013 | HAB016 | HWA001 | HWC001(A)<br>HWC002(B)<br>HAC003(C)<br>HAC004(D) |
|--------|--------|--------|--|

Order No.	H	D	TOL.	d	L	L1	L2	L3 (u:10mm)	L4
HAS001-001-L-L2-L3-□	14	20	+0.020 +0.015	26	80/90/100/110/120	15	50	40~140	50
HAS001-002-L-L2-L3-□	14	22	+0.020 +0.015	28	80/90/100/110/120	16	50/60	40~140	50/60
HAS001-003-L-L2-L3-□	14	25	+0.020 +0.015	31	80/90/100/110/120/130	18	60/80	40~150	60/75
HAS001-004-L-L2-L3-□	16	28	+0.025 +0.020	36	100/110/120/130/140/150/160	20	60/80	50~150	60/75
HAS001-005-L-L2-L3-□	16	32	+0.025 +0.020	40	120/130/140/150/160	23	80/100	70~190	75/90
HAS001-006-L-L2-L3-□	18	38	+0.030 +0.025	48	140/150/160/170/180	27	80/100	80~190	75/90
HAS001-007-L-L2-L3-□	18	45	+0.030 +0.025	55	140/150/160/170/180	32	100/120	80~190	90/110
HAS001-008-L-L2-L3-□	20	50	+0.035 +0.030	60	160/170/180/200	35	100/120	80~190	90/110

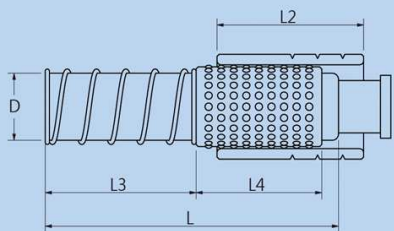
- |                                    |        |
|------------------------------------|--------|
| HWC001(A)-Plastic with Max Balls   | 高剛性塑料  |
| HWC002(B)-Aluminium with Max Balls | 高剛性鋁合金 |
| HAC003(C)-Plastic                  | 塑料     |
| HAC004(D)-Aluminium                | 鋁合金    |



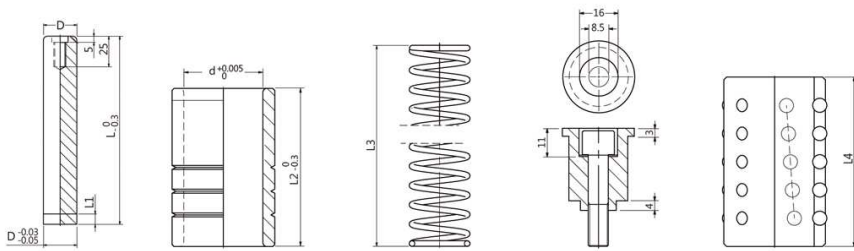
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Guide Post Set for Mold-Ball Retainer Type  
模架用導柱組件-鋼球型



CONSTITUENT PARTS 構成零件



HAP018

HAB016

HWA001

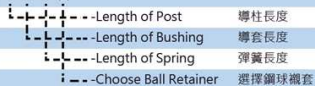
HAA002

HWC001(A)  
HWC002(B)  
HAC003(C)  
HAC004(D)

-Delivery		3 Working Days		-交貨日		3 個工作日		
Order No.	D	TOL.	d	L	L1	L2	L3 (u:10mm)	L4
HAS006-001-L-L2-L3-□	20	+0.020 -0.015	26	100/110/120/130/140/150/160/170/180	4	50	40~140	50
HAS006-002-L-L2-L3-□	22	+0.020 -0.015	28	120/130/140/150/160/170/180	4	50/60	40~140	50/60
HAS006-003-L-L2-L3-□	25	+0.020 -0.015	31	120/130/140/150/160/170/180	4	60/80	40~150	60/75
HAS006-004-L-L2-L3-□	28	+0.025 -0.020	36	140/150/160/170/180/190/200	5	60/80	50~150	60/75
HAS006-005-L-L2-L3-□	32	+0.025 -0.020	40	160/170/180/190/200/220/240	5	80/100	70~190	75/90
HAS006-006-L-L2-L3-□	38	+0.030 -0.025	48	180/190/200/220/240/260	6	80/100	80~190	75/90
HAS006-007-L-L2-L3-□	45	+0.030 -0.025	55	180/190/200/220/240/260	6	100/120	80~190	90/110
HAS006-008-L-L2-L3-□	50	+0.035 -0.030	60	200/220/240/260	7	100/120	80~190	90/110

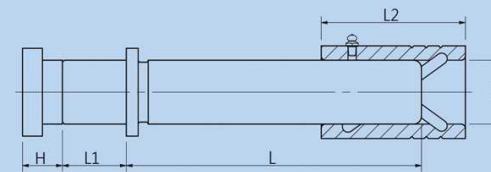
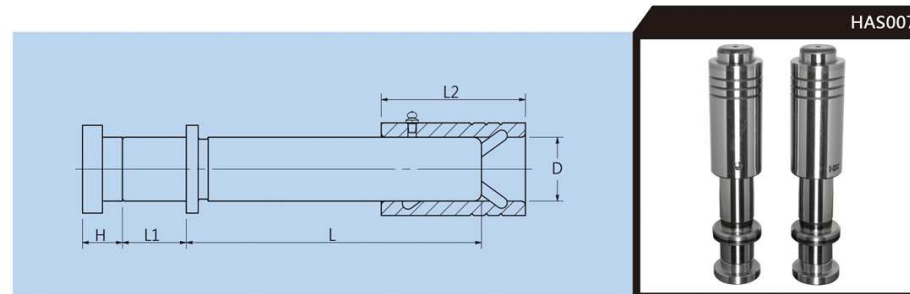
- HWC001(A)-Plastic with Max Balls 高剛性塑料
- HWC002(B)-Aluminium with Max Balls 高剛性鋁合金
- HAC003(C)-Plastic 塑料
- HAC004(D)-Aluminium 鋁合金

Order Ex : HAS006-001-L-L2-L3-□

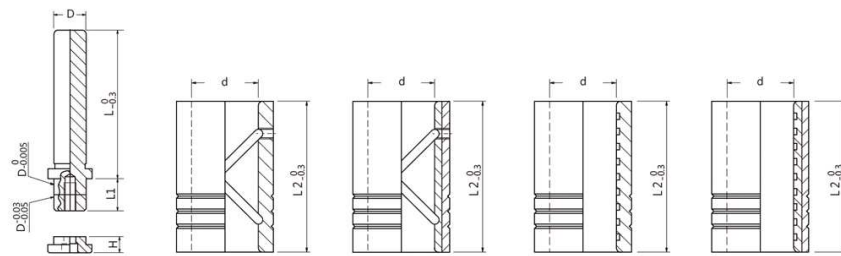


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Guide Post Set for Mold  
模架用導柱組件



CONSTITUENT PARTS 構成零件



HAP013

HAB019(A)

HAB020(B)

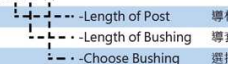
HAB021(C)

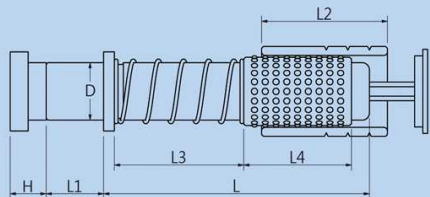
HAB022(D)

-Delivery		7 Working Days		-交貨日		7 個工作日		
Order No.	H	D	TOL.	d	TOL.	L	L1	L2
HAS007-001-L-L2-□	14	20	+0.020 +0.015	20	+0.027 +0.022	80/90/100/110/120	15	50
HAS007-002-L-L2-□	14	22	+0.020 +0.015	22	+0.027 +0.022	80/90/100/110/120	16	50/60
HAS007-003-L-L2-□	14	25	+0.020 +0.015	25	+0.027 +0.022	80/90/100/110/120/130	18	60/80
HAS007-004-L-L2-□	16	28	+0.025 +0.020	28	+0.032 +0.027	100/110/120/130/140/150/160	20	60/80
HAS007-005-L-L2-□	16	32	+0.025 +0.020	32	+0.032 +0.027	120/130/140/150/160	23	80/100
HAS007-006-L-L2-A	18	38	+0.030 +0.025	38	+0.037 +0.032	140/150/160/170/180	27	80/100
HAS007-007-L-L2-C	18	38	+0.030 +0.025	38	+0.037 +0.032	140/150/160/170/180	27	80/100
HAS007-008-L-L2-A	18	45	+0.030 +0.025	45	+0.040 +0.045	140/150/160/170/180	32	100/120
HAS007-009-L-L2-C	18	45	+0.030 +0.025	45	+0.040 +0.045	140/150/160/170/180	32	100/120

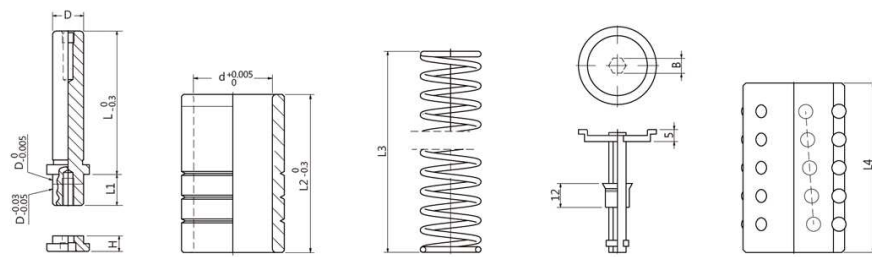
- HAB019(A)-SUJ2 軸承鋼
- HAB020(B)-Steel with Bronze Coated Internal Bore 鋼鐵合金
- HAB021(C)-SUJ2+MoS2 軸承鋼+二硫化鉬
- HAB022(D)-Steel with Bronze Coated Internal Bore+MoS2 鋼鐵合金+二硫化鉬

Order Ex : HAS007-001-L-L2-□





CONSTITUENT PARTS 構成零件



HAP014

HAB016

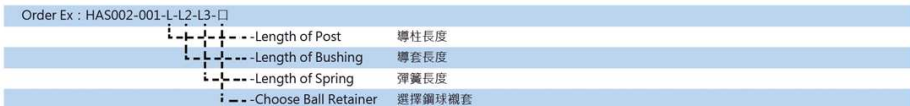
HWA001

HAA001

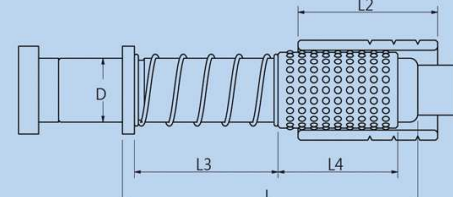
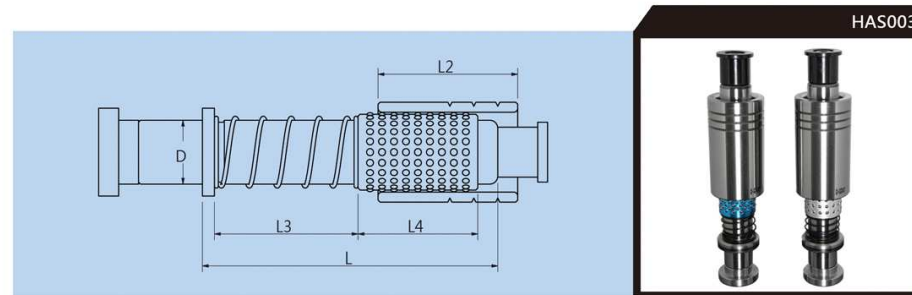
HWC001(A)  
HWC002(B)  
HAC003(C)  
HAC004(D)

-Delivery		3 Working Days			-交貨日		3 個工作日			
Order No.	B	H	D	TOL.	d	L	L1	L2	L3 (u:10mm)	L4
HAS002-001-L-L2-L3-□	5	14	20	+0.020 +0.015	26	80/90/100/110/120	15	50	40~140	50
HAS002-002-L-L2-L3-□	5	14	22	+0.020 +0.015	28	80/90/100/110/120	16	50/60	40~140	50/60
HAS002-003-L-L2-L3-□	6	14	25	+0.020 +0.015	31	80/90/100/110/120/130	18	60/80	40~150	60/75
HAS002-004-L-L2-L3-□	6	16	28	+0.025 +0.020	36	100/110/120/130/140/150/160	20	60/80	50~150	60/75
HAS002-005-L-L2-L3-□	6	16	32	+0.025 +0.020	40	120/130/140/150/160	23	80/100	70~190	75/90
HAS002-006-L-L2-L3-□	8	18	38	+0.030 +0.025	48	140/150/160/170/180	27	80/100	80~190	75/90
HAS002-007-L-L2-L3-□	8	18	45	+0.030 +0.025	55	140/150/160/170/180	32	100/120	80~190	90/110
HAS002-008-L-L2-L3-□	8	20	50	+0.035 +0.030	60	160/170/180/200	35	100/120	80~190	90/110

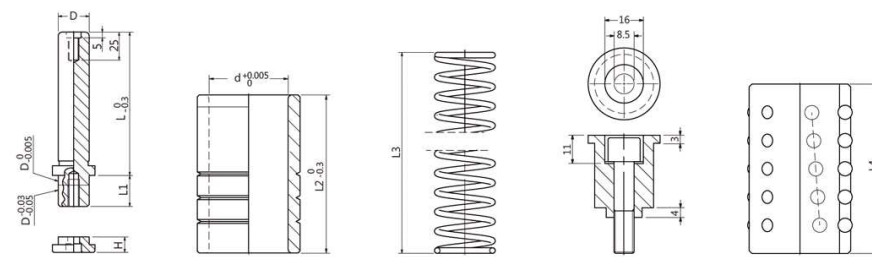
- HWC001(A)-Plastic with Max Balls 高剛性塑料
- HWC002(B)-Aluminium with Max Balls 高剛性鋁合金
- HAC003(C)-Plastic 塑料
- HAC004(D)-Aluminium 鋁合金



\* u=unit



CONSTITUENT PARTS 構成零件



HAP015

HAB016

HWA001

HAA002

HWC001(A)  
HWC002(B)  
HAC003(C)  
HAC004(D)

-Delivery		3 Working Days			-交貨日		3 個工作日			
Order No.	H	D	TOL.	d	L	L1	L2	L3 (u:10mm)	L4	
HAS003-001-L-L2-L3-□	14	20	+0.020 +0.015	26	80/90/100/110/120	15	50	40~140	50	
HAS003-002-L-L2-L3-□	14	22	+0.020 +0.015	28	80/90/100/110/120	16	50/60	40~140	50/60	
HAS003-003-L-L2-L3-□	14	25	+0.020 +0.015	31	80/90/100/110/120/130	18	60/80	40~150	60/75	
HAS003-004-L-L2-L3-□	16	28	+0.025 +0.020	36	100/110/120/130/140/150/160	20	60/80	50~150	60/75	
HAS003-005-L-L2-L3-□	16	32	+0.025 +0.020	40	120/130/140/150/160	23	80/100	70~190	75/90	
HAS003-006-L-L2-L3-□	18	38	+0.030 +0.025	48	140/150/160/170/180	27	80/100	80~190	75/90	
HAS003-007-L-L2-L3-□	18	45	+0.030 +0.025	55	140/150/160/170/180	32	100/120	80~190	90/110	
HAS003-008-L-L2-L3-□	20	50	+0.035 +0.030	60	160/170/180/200	35	100/120	80~190	90/110	

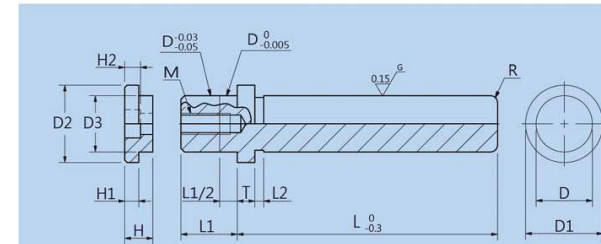
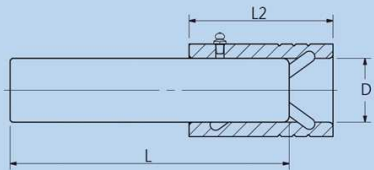
- HWC001(A)-Plastic with Max Balls 高剛性塑料
- HWC002(B)-Aluminium with Max Balls 高剛性鋁合金
- HAC003(C)-Plastic 塑料
- HAC004(D)-Aluminium 鋁合金



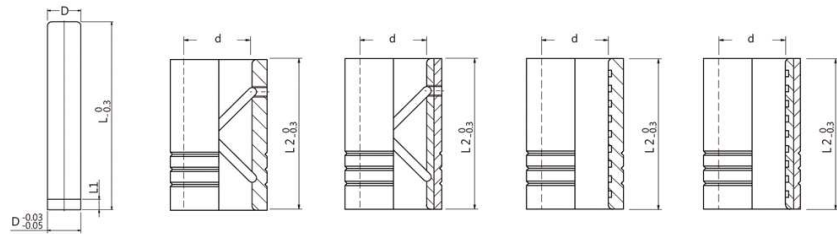
\* u=unit

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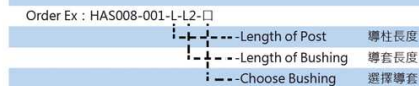
CONSTITUENT PARTS 構成零件



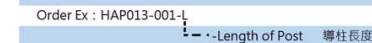
HAP016      HAB019(A)      HAB020(B)      HAB021(C)      HAB022(D)

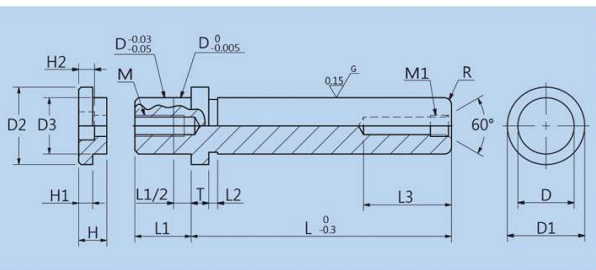
Order No.	D	TOL	d	TOL	L	L1	L2
HAS008-001-L-L2-□	20	+0.020 +0.015	20	+0.027 +0.022	100/110/120/130/140/150/160/170/180	4	50
HAS008-002-L-L2-□	22	+0.020 +0.015	22	+0.027 +0.022	120/130/140/150/160/170/180	4	50/60
HAS008-003-L-L2-□	25	+0.020 +0.015	25	+0.027 +0.022	120/130/140/150/160/170/180	4	60/80
HAS008-004-L-L2-□	28	+0.025 +0.020	28	+0.032 +0.027	140/150/160/170/180/190/200	5	60/80
HAS008-005-L-L2-□	32	+0.025 +0.020	32	+0.032 +0.027	160/170/180/190/200/220/240	5	80/100
HAS008-006-L-L2-A	38	+0.030 +0.025	38	+0.037 +0.032	180/190/200/220/240/260	6	80/100
HAS008-007-L-L2-C	38	+0.030 +0.025	38	+0.037 +0.032	180/190/200/220/240/260	6	80/100
HAS008-008-L-L2-A	45	+0.030 +0.025	45	+0.040 +0.045	180/190/200/220/240/260	6	100/120
HAS008-009-L-L2-C	45	+0.030 +0.025	45	+0.040 +0.045	180/190/200/220/240/260	6	100/120

- HAB019(A)-SUJ2      軸承鋼
- HAB020(B)-Steel with Bronze Coated Internal Bore      銅鍍合金
- HAB021(C)-SUJ2+MoS2      軸承鋼+二硫化鉬
- HAB022(D)-Steel with Bronze Coated Internal Bore+MoS2      銅鍍合金+二硫化鉬



Order No.	H	H1	H2	M	R	T	D	TOL	D1	D2	D3	L	L1	L2
HAP013-001-L	14	7	8.5	M8X18	2	5	20	+0.020 +0.015	29	28	19.5	80/90/100/110/120	15	8
HAP013-002-L	14	7	8.5	M8X18	3	8	22	+0.020 +0.015	31	30	21.5	80/90/100/110/120	16	8
HAP013-003-L	14	7	8.5	M8X18	3	8	25	+0.020 +0.015	36	35	24.5	80/90/100/110/120/130	18	8
HAP013-004-L	16	8	10.5	M10X22	3.5	10	28	+0.025 +0.020	39	36	27.5	100/110/120/130/140/150/160	20	8
HAP013-005-L	16	8	10.5	M10X22	3.5	10	32	+0.025 +0.020	44	40	31.5	120/130/140/150/160	23	10
HAP013-006-L	18	10	12.5	M12X27	4	12	38	+0.030 +0.025	53	49	37.5	140/150/160/170/180	27	10
HAP013-007-L	18	10	12.5	M12X27	4	12	45	+0.030 +0.025	59	55	44.5	140/150/160/170/180	32	13
HAP013-008-L	20	12	14.5	M14X31	5	15	50	+0.035 +0.030	69	62	49.5	160/170/180/200	35	13



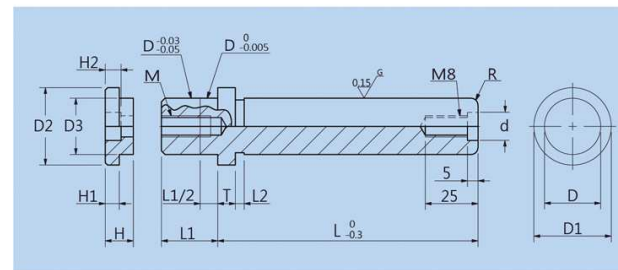


- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Surface Hardened
- Hardness HRC62±2
- Hardness Penetration 1.5~2mm
- Delivery 3 Working Days
- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 高頻淬火
- 硬度 HRC62±2
- 熱處理深度 1.5~2mm
- 交貨日 3 個工作日

Order No.	H	H1	H2	M	M1	R	T	D	TOL.	D1	D2	D3	L	L1	L2	L3
HAP014-001-L	14	7	8.5	M8X18	M10X1.5	2	5	20	+0.020 +0.015	29	28	19.5	80/90/100/110/120	15	8	38
HAP014-002-L	14	7	8.5	M8X18	M10X1.5	3	8	22	+0.020 +0.015	31	30	21.5	80/90/100/110/120/130	16	8	42
HAP014-003-L	14	7	8.5	M8X18	M12X1.5	3	8	25	+0.020 +0.015	36	35	24.5	80/90/100/110/120/130	18	8	50
HAP014-004-L	16	8	10.5	M10X22	M12X1.5	3.5	10	28	+0.025 +0.020	39	36	27.5	100/110/120/130/140/150/160	20	8	50
HAP014-005-L	16	8	10.5	M10X22	M12X1.5	3.5	10	32	+0.025 +0.020	44	40	31.5	120/130/140/150/160	23	10	60
HAP014-006-L	18	10	12.5	M12X27	M16X1.5	4	12	38	+0.030 +0.025	53	49	37.5	140/150/160/170/180	27	10	60
HAP014-007-L	18	10	12.5	M12X27	M16X1.5	4	12	45	+0.030 +0.025	59	55	44.5	140/150/160/170/180	32	13	70
HAP014-008-L	20	12	14.5	M14X31	M16X1.5	5	15	50	+0.035 +0.030	69	62	49.5	160/170/180/200	35	13	70

Order Ex : HAP014-001-L

Length of Post 導柱長度



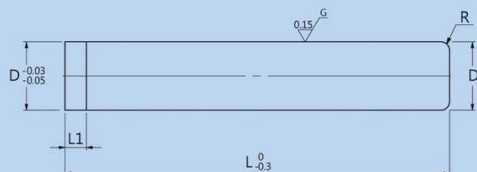
- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Surface Hardened
- Hardness HRC62±2
- Hardness Penetration 1.5~2mm
- Delivery 3 Working Days
- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 高頻淬火
- 硬度 HRC62±2
- 熱處理深度 1.5~2mm
- 交貨日 3 個工作日

Order No.	H	H1	H2	M	R	T	D	TOL.	D1	D2	D3	d	L	L1	L2
HAP015-001-L	14	7	8.5	M8X18	2	5	20	+0.020 +0.015	29	28	19.5	14	80/90/100/110/120	15	8
HAP015-002-L	14	7	8.5	M8X18	3	8	22	+0.020 +0.015	31	30	21.5	14	80/90/100/110/120	16	8
HAP015-003-L	14	7	8.5	M8X18	3	8	25	+0.020 +0.015	36	35	24.5	14	80/90/100/110/120/130	18	8
HAP015-004-L	16	8	10.5	M10X22	3.5	10	28	+0.025 +0.020	39	36	27.5	14	100/110/120/130/140/150/160	20	8
HAP015-005-L	16	8	10.5	M10X22	3.5	10	32	+0.025 +0.020	44	40	31.5	14	120/130/140/150/160	23	10
HAP015-006-L	18	10	12.5	M12X27	4	12	38	+0.030 +0.025	53	49	37.5	20	140/150/160/170/180	27	10
HAP015-007-L	18	10	12.5	M12X27	4	12	45	+0.030 +0.025	59	55	44.5	20	140/150/160/170/180	32	13
HAP015-008-L	20	12	14.5	M14X31	5	15	50	+0.035 +0.030	69	62	49.5	20	160/170/180/200	35	13

Order Ex : HAP015-001-L

Length of Post 導柱長度

Guide Post for Mold  
模架用大導柱

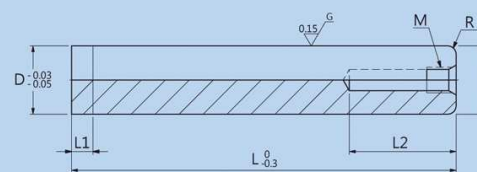
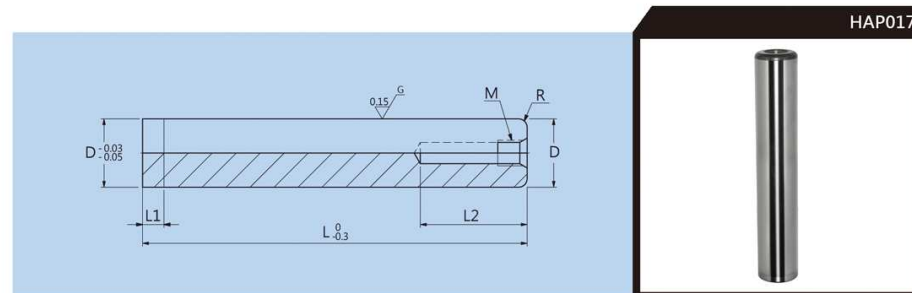


- |                       |                  |        |         |
|-----------------------|------------------|--------|---------|
| -Roundness            | 2μm              | -真圓度   | 2μm     |
| -Material             | SUJ2 (1.3505)    | -材質    | 軸承鋼     |
| -Heat Treatment       | Surface Hardened | -熱處理   | 高頻淬火    |
| -Hardness             | HRC62±2          | -硬度    | HRC62±2 |
| -Hardness Penetration | 1.5~2mm          | -熱處理深度 | 1.5~2mm |
| -Delivery             | 3 Working Days   | -交貨日   | 3 個工作日  |

Order No.	R	D	TOL.	L	L1
HAP016-001-L	2	20	+0.020 +0.015	100/110/120/130/140/150/160/170/180	4
HAP016-002-L	3	22	+0.020 +0.015	120/130/140/150/160/170/180	4
HAP016-003-L	3	25	+0.020 +0.015	120/130/140/150/160/170/180	4
HAP016-004-L	3.5	28	+0.025 +0.020	140/150/160/170/180/190/200	5
HAP016-005-L	3.5	32	+0.025 +0.020	160/170/180/190/200/220/240	5
HAP016-006-L	4	38	+0.030 +0.025	180/190/200/220/240/260	6
HAP016-007-L	4	45	+0.030 +0.025	180/190/200/220/240/260	6
HAP016-008-L	5	50	+0.035 +0.030	200/220/240/260	7

Order Ex : HAP016-001-L  
Length of Post 導柱長度

Guide Post for Mold  
模架用大導柱

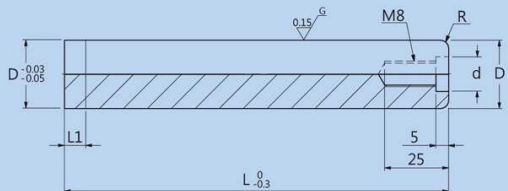


- |                       |                  |        |         |
|-----------------------|------------------|--------|---------|
| -Roundness            | 2μm              | -真圓度   | 2μm     |
| -Material             | SUJ2 (1.3505)    | -材質    | 軸承鋼     |
| -Heat Treatment       | Surface Hardened | -熱處理   | 高頻淬火    |
| -Hardness             | HRC62±2          | -硬度    | HRC62±2 |
| -Hardness Penetration | 1.5~2mm          | -熱處理深度 | 1.5~2mm |
| -Delivery             | 3 Working Days   | -交貨日   | 3 個工作日  |

Order No.	M	R	D	TOL.	L	L1	L2
HAP017-001-L	M10x1.5	2	20	+0.020 +0.015	100/110/120/130/140/150/160/170/180	4	38
HAP017-002-L	M10x1.5	3	22	+0.020 +0.015	120/130/140/150/160/170/180	4	42
HAP017-003-L	M12x1.5	3	25	+0.020 +0.015	120/130/140/150/160/170/180	4	50
HAP017-004-L	M12x1.5	3.5	28	+0.025 +0.020	140/150/160/170/180/190/200	5	50
HAP017-005-L	M12x1.5	3.5	32	+0.025 +0.020	160/170/180/190/200/220/240	5	60
HAP017-006-L	M16x1.5	4	38	+0.030 +0.025	180/190/200/220/240/260	6	60
HAP017-007-L	M16x1.5	4	45	+0.030 +0.025	180/190/200/220/240/260	6	70
HAP017-008-L	M16x1.5	5	50	+0.035 +0.030	200/220/240/260	7	70

Order Ex : HAP017-001-L  
Length of Post 導柱長度

Guide Post for Mold  
模架用大導柱

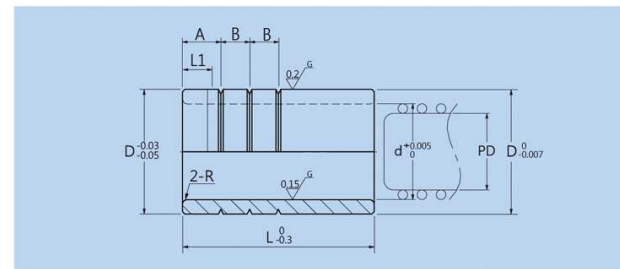


- Roundness 2μm
- Material SUJ2 (1.3505)
- Heat Treatment Surface Hardened
- Hardness HRC62±2
- Hardness Penetration 1.5~2mm
- Delivery 3 Working Days
- 真圓度 2μm
- 材質 SUJ2
- 熱處理 表面硬化
- 硬度 HRC62±2
- 熱處理深度 1.5~2mm
- 交貨日 3 個工作日

Order No.	R	D	TOL.	d	L	L1
HAP018-001-L	2	20	+0.020 +0.015	14	100/110/120/130/140/150/160/170/180	4
HAP018-002-L	3	22	+0.020 +0.015	14	120/130/140/150/160/170/180	4
HAP018-003-L	3	25	+0.020 +0.015	14	120/130/140/150/160/170/180	4
HAP018-004-L	3.5	28	+0.025 +0.020	14	140/150/160/170/180/190/200	5
HAP018-005-L	3.5	32	+0.025 +0.020	14	160/170/180/190/200/220/240	5
HAP018-006-L	4	38	+0.030 +0.025	20	180/190/200/220/240/260	6
HAP018-007-L	4	45	+0.030 +0.025	20	180/190/200/220/240/260	6
HAP018-008-L	5	50	+0.035 +0.030	20	200/220/240/260	7

Order Ex : HAP018-001-L  
 --Length of Post 導柱長度

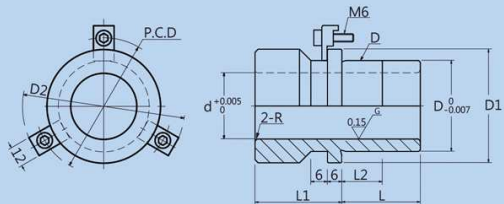
Guide Bushing for Mold-Ball Retainer Type  
模架用導套-鋼球型



- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days
- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 SUJ2
- 熱處理 感應硬化
- 深冷處理 YES
- 硬度 HRC62±2
- 交貨日 3 個工作日

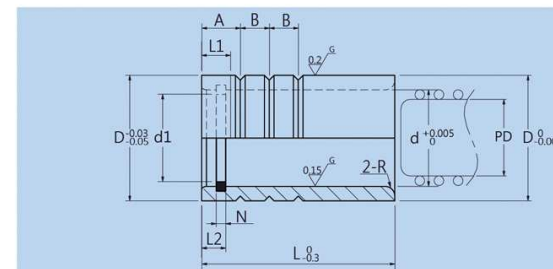
Order No.	PD	A	B	D	d	L	L1
HAB016-001	20	10	6	37	26	50	4
HAB016-002	22	10	6	40	28	50	4
HAB016-003						60	
HAB016-004	25	10	6	45	31	60	4
HAB016-005						80	
HAB016-006	28	12	7	50	36	60	5
HAB016-007						80	
HAB016-008	32	12	7	55	40	80	5
HAB016-009						100	
HAB016-010	38	15	10	64	48	80	6
HAB016-011						100	
HAB016-012	45	15	10	74	55	100	6
HAB016-013						120	
HAB016-014	50	15	10	83	60	100	6
HAB016-015						120	





Order No.	PD	D	D1	D2	P.C.D	d	L	L1	L2
HAB017-001	20	37	43	71	55	26	30	20	15
HAB017-002								35	25
HAB017-003	22	40	46	74	58	28	30	20	15
HAB017-004								35	25
HAB017-005	25	45	51	79	63	31	35	25	15
HAB017-006								40	40
HAB017-007	28	50	56	84	68	36	35	25	18
HAB017-008								40	40
HAB017-009	32	55	61	89	73	40	40	40	18
HAB017-010								50	50
HAB017-011	38	64	70	98	82	48	40	40	20
HAB017-012								50	50

Further dimensions on request  
規格尺寸若另有需求, 歡迎洽詢

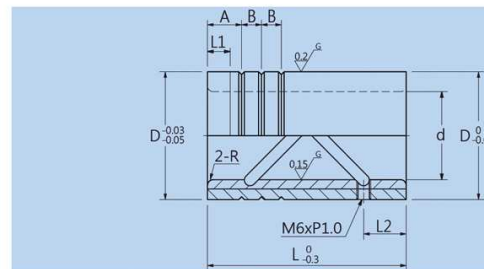
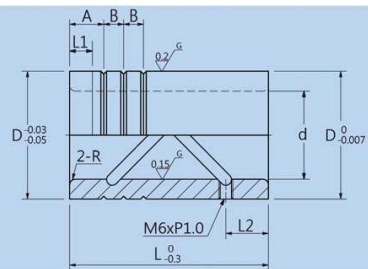


※ Including Retaining Rings 附C扣

Order No.	PD	A	B	N	R	D	d	d1	L	L1	L2
HAB018-001	20	10	6	1.35	2.5	37	26	21.4	50	4	4
HAB018-002	22	10	6	1.35	2.5	40	28	23	50	4	4
HAB018-003									60		
HAB018-004	25	10	6	1.35	2.5	45	31	26	60	4	4
HAB018-005									80		
HAB018-006	28	12	7	1.65	3	50	36	30	60	4.5	5
HAB018-007									80		
HAB018-008	32	12	7	1.9	3	55	40	33.2	80	4.5	5
HAB018-009									100		
HAB018-010	38	15	10	1.9	3.5	64	48	40	80	4.5	6
HAB018-011									100		
HAB018-012	45	15	10	2.2	3.5	74	55	46.8	100	5	6
HAB018-013									120		
HAB018-014	50	15	10	2.2	3.5	83	60	51.3	100	5	6
HAB018-015									120		

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Contact : [headway@hdw.com.tw](mailto:headway@hdw.com.tw)





- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days

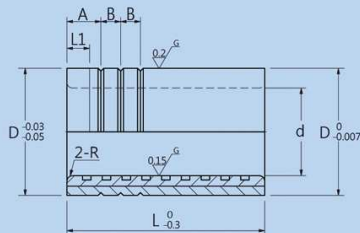
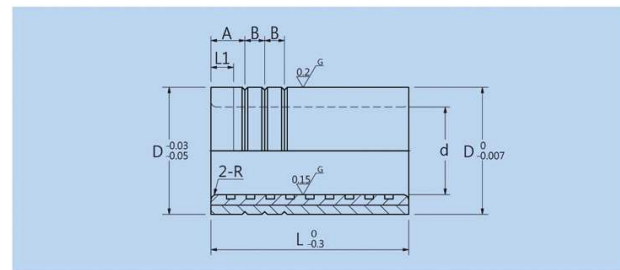
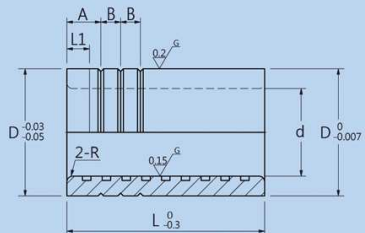
- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	A	B	D	d	TOL.	L	L1	L2
HAB019-001	10	6	31	20	+0.027 +0.022	50	4	10
HAB019-002	10	6	34	22	+0.027 +0.022	50	4	10
HAB019-003						60		
HAB019-004	10	6	37	25	+0.027 +0.022	60	4	10
HAB019-005						80		
HAB019-006	12	7	42	28	+0.032 +0.027	60	5	10
HAB019-007						80		
HAB019-008	12	7	46	32	+0.032 +0.027	80	5	10
HAB019-009						100		15
HAB019-010	15	10	54	38	+0.037 +0.032	80	6	10
HAB019-011						100		15
HAB019-012	15	10	62	45	+0.040 +0.035	100	6	15
HAB019-013						120		

- Roundness 2μm
- Concentricity 10μm
- Material Steel with Bronze Coated Internal Bore
- Hardness HRC45~
- Delivery 7 Working Days

- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 銅鐵合金
- 硬度 HRC45以上
- 交貨日 7 個工作日

Order No.	A	B	D	d	TOL.	L	L1	L2
HAB020-001	10	6	31	20	+0.027 +0.022	50	4	10
HAB020-002	10	6	34	22	+0.027 +0.022	50	4	10
HAB020-003						60		
HAB020-004	10	6	37	25	+0.027 +0.022	60	4	10
HAB020-005						80		
HAB020-006	12	7	42	28	+0.032 +0.027	60	5	10
HAB020-007						80		
HAB020-008	12	7	46	32	+0.032 +0.027	80	5	10
HAB020-009						100		15



- Roundness 2μm
- Concentricity 10μm
- Material SUJ2 (1.3505)
- Heat Treatment Induction Hardened
- Cryogenic Treatment YES
- Hardness HRC62±2
- Delivery 3 Working Days

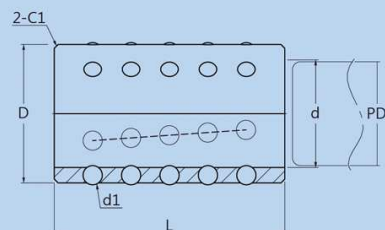
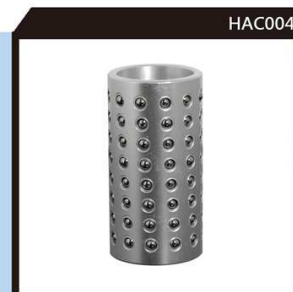
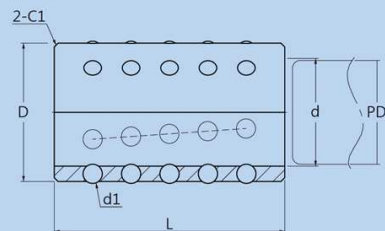
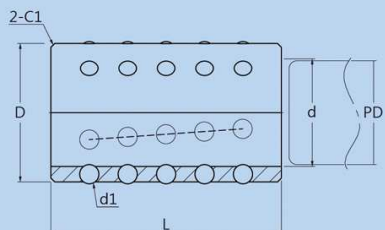
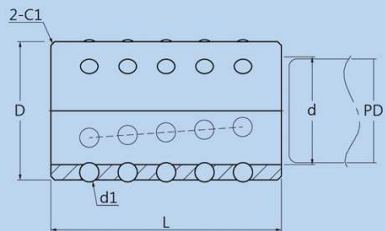
- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 軸承鋼
- 熱處理 整體淬火
- 深冷處理 有
- 硬度 HRC62±2
- 交貨日 3 個工作日

Order No.	A	B	D	d	TOL.	L	L1
HAB021-001	10	6	31	20	+0.027 +0.022	50	4
HAB021-002	10	6	34	22	+0.027 +0.022	50	4
HAB021-003						60	
HAB021-004	10	6	37	25	+0.027 +0.022	60	4
HAB021-005						80	
HAB021-006	12	7	42	28	+0.032 +0.027	60	5
HAB021-007						80	
HAB021-008	12	7	46	32	+0.032 +0.027	80	5
HAB021-009						100	
HAB021-010	15	10	54	38	+0.037 +0.032	80	6
HAB021-011						100	
HAB021-012	15	10	62	45	+0.040 +0.035	100	6
HAB021-013						120	

- Roundness 2μm
- Concentricity 10μm
- Material Steel with Bronze Coated Internal Bore+MoS2
- Hardness HRC45~
- Delivery 7 Working Days

- 真圓度 2μm
- 同心(軸)度 10μm
- 材質 銅鐵合金+二硫化鉬
- 硬度 HRC45以上
- 交貨日 7 個工作日

Order No.	A	B	D	d	TOL.	L	L1
HAB022-001	10	6	31	20	+0.027 +0.022	50	4
HAB022-002	10	6	34	22	+0.027 +0.022	50	4
HAB022-003						60	
HAB022-004	10	6	37	25	+0.027 +0.022	60	4
HAB022-005						80	
HAB022-006	12	7	42	28	+0.032 +0.027	60	5
HAB022-007						80	
HAB022-008	12	7	46	32	+0.032 +0.027	80	5
HAB022-009						100	



-Material POM-Cage  
SUJ2 (1.3505)-Balls  
-Delivery 3 Working Days

Order No.	PD	D	d	d1	L	Balls
HWC001-018	20	25.5	20.5	3	50	165
HWC001-019	22	27.5	22.5	3	50	180
HWC001-020					60	228
HWC001-021	25	30.5	25.5	3	60	266
HWC001-022					75	350
HWC001-023	28	35.5	28.5	4	60	204
HWC001-024					75	252
HWC001-025	32	39.5	32.5	4	75	294
HWC001-026					90	350
HWC001-027	38	47.5	38.5	5	75	238
HWC001-028					90	280
HWC001-029	45	54.5	45.5	5	90	320
HWC001-030					110	400
HWC001-031	50	59.5	50.5	5	90	360
HWC001-032					110	450

-材質 塑料-保持器  
軸承鋼-鋼球  
-交貨日 3 個工作日

Order No.	PD	D	d	d1	L	Balls
HAC003-001	20	25.5	20.5	3	50	96
HAC003-002	22	27.5	22.5	3	50	112
HAC003-003					60	140
HAC003-004	25	30.5	25.5	3	60	160
HAC003-005					75	208
HAC003-006	28	35.5	28.5	4	60	126
HAC003-007					75	154
HAC003-008	32	39.5	32.5	4	75	176
HAC003-009					90	208
HAC003-010	38	47.5	38.5	5	75	144
HAC003-011					90	176
HAC003-012	45	54.5	45.5	5	90	198
HAC003-013					110	234
HAC003-014	50	59.5	50.5	5	90	220
HAC003-015					110	260

-Material Aluminium-Cage  
SUJ2 (1.3505)-Balls  
-Surface Treatment Anodizing  
-Delivery 3 Working Days

Order No.	PD	D	d	d1	L	Balls
HWC002-018	20	25.5	20.5	3	50	165
HWC002-019	22	27.5	22.5	3	50	180
HWC002-020					60	228
HWC002-021	25	30.5	25.5	3	60	266
HWC002-022					75	350
HWC002-023	28	35.5	28.5	4	60	204
HWC002-024					75	252
HWC002-025	32	39.5	32.5	4	75	294
HWC002-026					90	350
HWC002-027	38	47.5	38.5	5	75	238
HWC002-028					90	280
HWC002-029	45	54.5	45.5	5	90	320
HWC002-030					110	400
HWC002-031	50	59.5	50.5	5	90	360
HWC002-032					110	450

-材質 鋁合金-保持器  
軸承鋼-鋼球  
-表面處理 陽極處理  
-交貨日 3 個工作日

Order No.	PD	D	d	d1	L	Balls
HAC004-001	20	25.5	20.5	3	50	96
HAC004-002	22	27.5	22.5	3	50	112
HAC004-003					60	140
HAC004-004	25	30.5	25.5	3	60	160
HAC004-005					75	208
HAC004-006	28	35.5	28.5	4	60	126
HAC004-007					75	154
HAC004-008	32	39.5	32.5	4	75	176
HAC004-009					90	208
HAC004-010	38	47.5	38.5	5	75	144
HAC004-011					90	176
HAC004-012	45	54.5	45.5	5	90	198
HAC004-013					110	234
HAC004-014	50	59.5	50.5	5	90	220
HAC004-015					110	260

