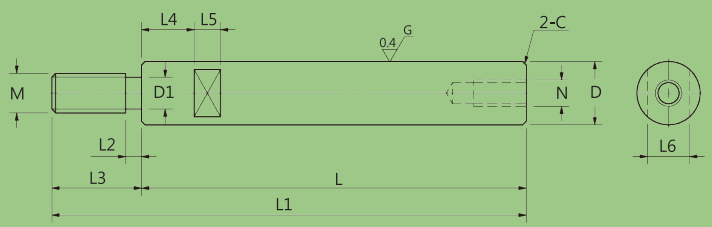
Precision Linear Shafts-One End Male Thread / One End Female Thread Type with Undercut and Wrench Flats

導桿-內外螺紋型帶退刀槽及扳手槽型

HFP020





D (mm)	Roundness 真圓度(μm)
<13	0.004
<20	0.005
<30	0.006

D (mm)	Hardness Penetration 淬火深度(mm)	
	SUJ2	SUS440C
<10	0.5	0.5
<13	0.7	0.5
<20	0.7	0.7
<25	1.0	0.7

L (mm)	TOL. 公差(mm)
<6	±0.1
<30	±0.2
<120	±0.3
<400	±0.5
<1000	±0.8
<1500	±1.2

Undercut Size List 退刀槽尺寸表					
M	D1	L2	M	D1	L2
6	4.4	2	16	13	4
8	6	3	20	16.4	5
10	7.7	3	24	19.6	5
12	9.4	4	30	25	5

Type 品名	Material 材質	Heat Treatment 熱處理	Hardness 硬度	Surface Treatment 表面處理	Coating Thickness 鍍膜厚度	Delivery 交貨日
HFP020-A	SUJ2(1.3505) 軸承鋼	Surface Hardened 高頻淬火	HRC58~	-	-	5 Working Days 5 個工作日
HFP020-C				Hard Chromium Electroplating 鍍硬鉻	5μm	
HFP020-D	SUS440C (1.4125) 不鏽鋼		HRC56~			
HFP020-B				-	-	

Type	D	TOL.	L (u:1mm)	L3 (u:1mm)	L4 (u:1mm)	M	N	Max.L1	L5	L6	C
HFP020-A HFP020-B HFP020-C HFP020-D	8	-0.005 -0.014	25~795	5≤L3≤Mx3	L4+L5≤L	6	3/4/5	800	8	7	0.5
	10	-0.005 -0.014	25~795	5≤L3≤Mx3	L4+L5≤L	6/8	3/4/5/6	800	8	8	0.5
	12	-0.006 -0.017	25~995	5≤L3≤Mx3	L4+L5≤L	6/8/10	4/5/6/8	1000	10	10	0.5
	13	-0.006 -0.017	25~995	5≤L3≤Mx3	L4+L5≤L	6/8/10/12	4/5/6/8	1000	10	11	0.5
	15	-0.006 -0.017	25~995	5≤L3≤Mx3	L4+L5≤L	6/8/10/12	4/5/6/8/10	1000	10	13	0.5
	16	-0.006 -0.017	25~1195	5≤L3≤Mx3	L4+L5≤L	6/8/10/12	4/5/6/8/10	1200	10	14	0.5
	18	-0.006 -0.017	25~1195	5≤L3≤Mx3	L4+L5≤L	6/8/10/12/16	4/5/6/8/10/12	1200	10	16	0.5
	20	-0.007 -0.020	25~1195	5≤L3≤Mx3	L4+L5≤L	6/8/10/12/16	4/5/6/8/10/12	1200	10	17	1.0
	25	-0.007 -0.020	25~1193	5≤L3≤Mx3	L4+L5≤L	8/10/12/16/20/24	4/5/6/8/10/12/16	1200	10	22	1.0
	30	-0.007 -0.020	25~1493	5≤L3≤Mx3	L4+L5≤L	8/10/12/16/20/24	6/8/10/12/16/20	1500	15	27	1.0

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

※ u=unit

Order Ex. 訂購範例

HFP020-□-8-L-L3-L4-M-N

A B C or D	選擇導桿材質
OD	外徑尺寸
Length of Shaft	導桿長度
Length of Thread	螺紋長度
The Position of Wrench Flats	扳手槽位置
Choose M (Thread)	選擇螺紋M
Choose N (Thread)	選擇螺紋N

Alterations 追加工名稱	Description 加工說明	Order Ex. 訂購範例
A 	Length tolerance change 長度公差變更	HFP020-A-8-100-15-20-M6-N4-A(±0.03) Length tolerance change to ±0.03 長度公差變更為±0.03
B 	Adds wrench flats 單板手槽或雙板手槽加工	HFP020-A-8-100-15-20-M6-N4-B or 2B Wrench flats at one or two locations 單扳手槽或雙扳手槽
C 	Adds set screw flat 單平面或雙平面加工	HFP020-A-8-100-15-20-M6-N4-C or 2C Adds set screw flats at one or two locations 單平面或雙平面追加
D 	Decreases right angles 單90度平面或雙90度平面	HFP020-A-8-100-15-20-M6-N4-D or 2D Right angles at one or two locations 單90度平面或雙90度平面

※u=unit