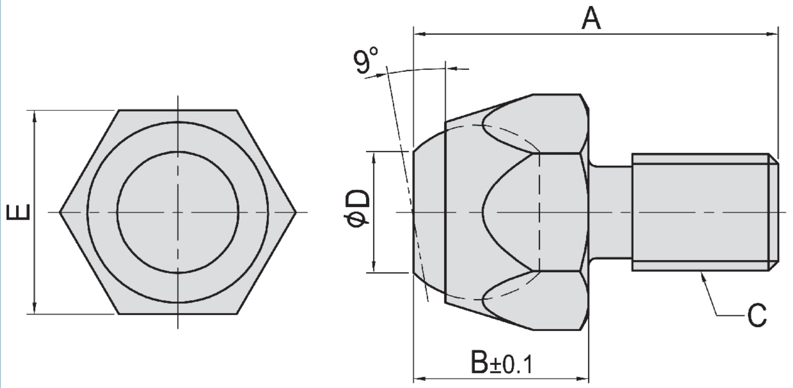
輔助零件類

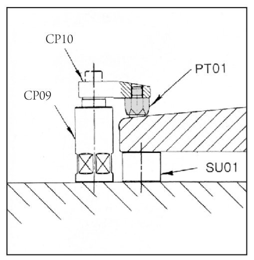
PT01~PT59

PT01

平面動向鋼珠螺桿支持件 SMOOTH BALL END BOLT

- 材質：本體 S45C，鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°，鋼珠 HRC 62°
- 表面：染黑處理
- 用途：適用於支持或夾持工件之斜面上，使其不易變形



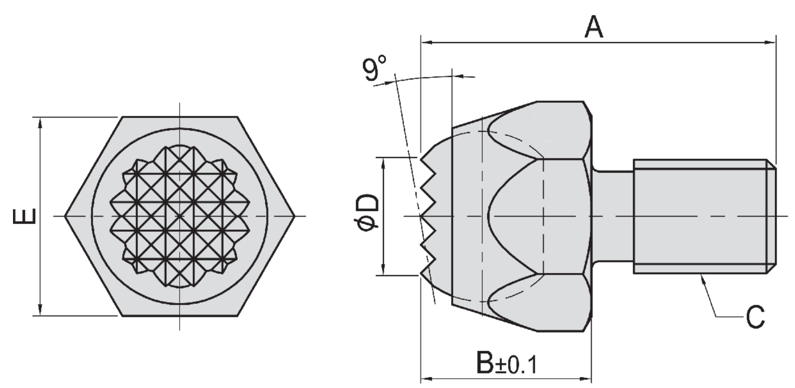


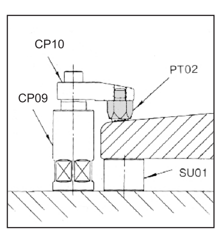
MODEL NO.	A	B	C	D	E	kg
PT01-0610	21	10	M6x1.00	6	10	0.012
PT01-0814	25	12	M8x1.25	8	14	0.015
PT01-1017	30	16	M10x1.50	10	17	0.025
PT01-1222	35	22	M12x1.75	12	22	0.070
PT01-1627	42	26	M16x2.00	14	27	0.140
PT01-2036	55	27	M20x2.50	14	36	0.280
PT01-2436	65	32	M24x2.00	18	36	0.560
PT01-3046	80	35	M30x2.00	21	46	0.880

PT02

齒面動向鋼珠螺桿支持件 SERRATED BALL END BOLT

- 材質：本體 S45C，鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°，鋼珠 HRC 62°
- 表面：染黑處理
- 用途：適用於支持或夾持工件之斜面上，使其不易變形



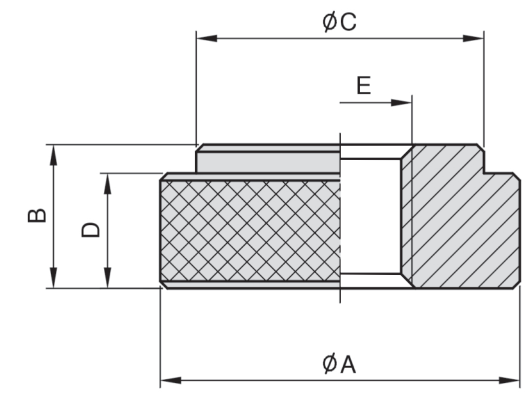


MODEL NO.	A	B	C	D	E	kg
PT02-0610	21	10	M6x1.00	6	10	0.012
PT02-0814	25	12	M8x1.25	8	14	0.015
PT02-1017	30	16	M10x1.50	10	17	0.025
PT02-1222	35	22	M12x1.75	12	22	0.070
PT02-1627	42	26	M16x2.00	14	27	0.140
PT02-2036	55	27	M20x2.50	14	36	0.280
PT02-2436	65	32	M24x2.00	18	36	0.560
PT02-3046	80	35	M30x2.00	21	46	0.880

PT03

止動螺帽 KNURLED NUT

- 材質：S45C
- 熱處理：HRC 30°~35°
- 表面：染黑處理
- 用途：可用於固定螺栓，使其不易鬆動

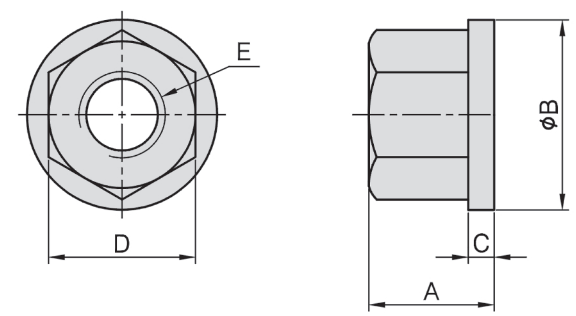


MODEL NO.	A	B	C	D	E	kg
PT03-0820	20	8	16	6	M 8	0.015
PT03-1025	25	10	20	8	M10	0.030
PT03-1228	28	12	24	10	M12	0.040
PT03-1630	30	12	25	10	M16	0.045

PT04

法蘭螺帽 FLANGE NUT

- 材質：S45C
- 熱處理：HRC 30°~35°
- 表面：染黑處理

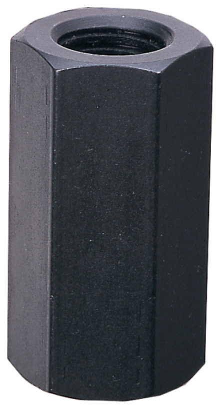


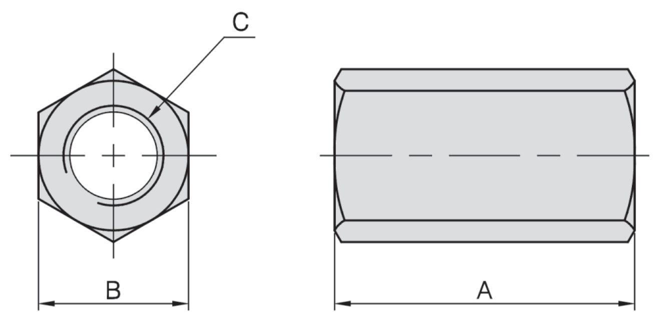
MODEL NO.	A	B	C	D	E	kg
PT04-0812	9	17	3	12	M 8	0.010
PT04-1017	13	22	3	17	M10	0.020
PT04-1219	17	28	4	19	M12	0.040
PT04-1422	17	28	4	22	M14	0.040
PT04-1624	20	32	5	24	M16	0.060
PT04-1827	20	35	5	27	M18	0.070
PT04-2030	25	40	6	30	M20	0.110
PT04-2232	28	45	6	32	M22	0.150
PT04-2436	28	47	6	36	M24	0.185

BP
BPA
BC
CP
SU
PT
SVF
ALV
OK-VISE
MITEE-BITE
JER-GENS
其他類
技術資料

PT05

連結螺帽 EXTENSION NUT





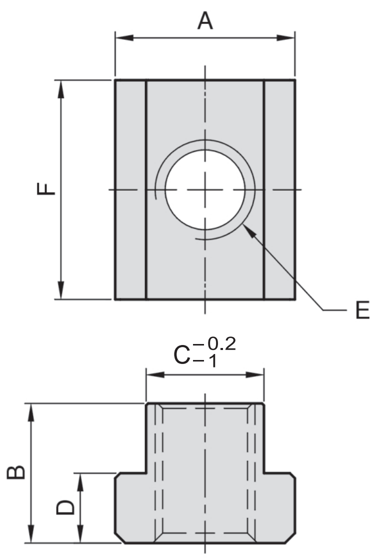
- 材質：S45C
- 熱處理：HRC 30°~35°
- 表面：染黑處理
- 用途：連結螺桿加長之用

MODEL NO.	A	B	C	kg
PT05-0813	22	14	M 8	0.020
PT05-1017	30	17	M10	0.030
PT05-1219	36	19	M12	0.046
PT05-1422	42	22	M14	0.065
PT05-1624	48	24	M16	0.110
PT05-1827	54	27	M18	0.150
PT05-2030	60	30	M20	0.220
PT05-2232	66	32	M22	0.350
PT05-2436	72	36	M24	0.350

PT06

T型螺帽 T-SLOT NUT

- 材質：S45C
- 熱處理：HRC 30°~35°
- 表面：染黑處理



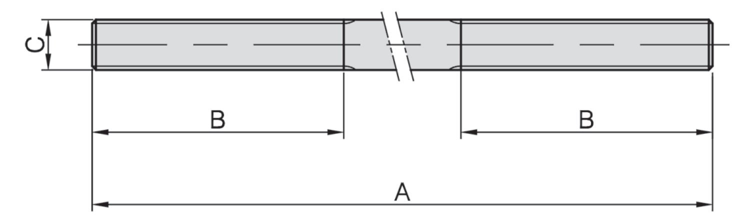
MODEL NO.	A	B	C	D	E	F	kg
PT06-1008	15.0	13.0	10.0	6.0	M 8	22	0.020
PT06-1210	18.0	14.0	12.0	7.0	M10		0.022
PT06-1410	22.0	16.0	14.0	8.0	M10	28	0.050
PT06-1412					M12		0.048
PT06-1612	25.0	16.0	16.0	8.0	M12	28	0.060
PT06-1614					M14		0.057
PT06-1810	28.0	20.0	18.0	10.5	M10	30	0.090
PT06-1812					M12		
PT06-1814	28.0	20.0		10.5	M14	30	0.090
PT06-1816					M16		0.085
PT06-2016	32.0	19.0	20.0	11.9	M16	30	0.098
PT06-2018	32.0	25.0		14.0	M18	38	0.110
PT06-2218	36.0	25.0	22.0	14.0	M18	38	0.178
PT06-2220					M20		0.190
PT06-2418	38.0	25.0	24.0	14.0	M18	38	0.184
PT06-2420					M20		0.250
PT06-2620	41.3	25.0	26.0	15.8	M20	44	0.250
PT06-2622					M22		0.240
PT06-2822	44.0	28.5	28.0	17.5	M22	50	0.330
PT06-2824					M24		0.312

LEAVE INDUSTRIAL

PT07

標準螺桿 CLAMPING STUD

- 材質：S45C
- 熱處理：HRC 22°~28°
- 表面：染黑處理

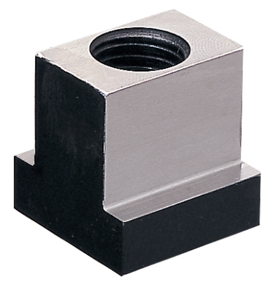


MODEL NO.	A	B	C	kg
PT07-08050	50	22	M8 P=1.25	0.020
PT07-08075	75	22		0.030
PT07-08100	100	38		0.040
PT07-08125	125	38		0.050
PT07-08150	150	50		0.060
PT07-08175	175	50		0.070
PT07-08200	200	50		0.080
PT07-08250	250	50		0.098
PT07-10050	50	22	M10 P=1.5	0.030
PT07-10075	75	30		0.042
PT07-10100	100	38		0.055
PT07-10125	125	38		0.070
PT07-10150	150	50		0.090
PT07-10175	175	50		0.108
PT07-10200	200	65		0.123
PT07-10250	250	65		0.154
PT07-12050	50	22	M12 P=1.75	0.040
PT07-12075	75	30		0.060
PT07-12100	100	38		0.080
PT07-12125	125	38		0.100
PT07-12150	150	50		0.125
PT07-12175	175	50		0.155
PT07-12200	200	65		0.160
PT07-12300	300	80		0.240
PT07-14050	50	22	M14 P=2.0	0.060
PT07-14075	75	30		0.090
PT07-14100	100	38		0.120
PT07-14125	125	38		0.150
PT07-14150	150	50		0.180
PT07-14175	175	50		0.210
PT07-14200	200	65		0.240
PT07-16050	50	22	M16 P=2.0	0.078
PT07-16075	75	30		0.120
PT07-16100	100	38		0.145
PT07-16125	125	38		0.180
PT07-16150	150	50		0.230
PT07-16175	175	50		0.276
PT07-16200	200	65		0.290
PT07-16250	250	65		0.350
PT07-16300	300	80		0.450
PT07-16400	400	100		0.580
PT07-16500	500	100		0.700

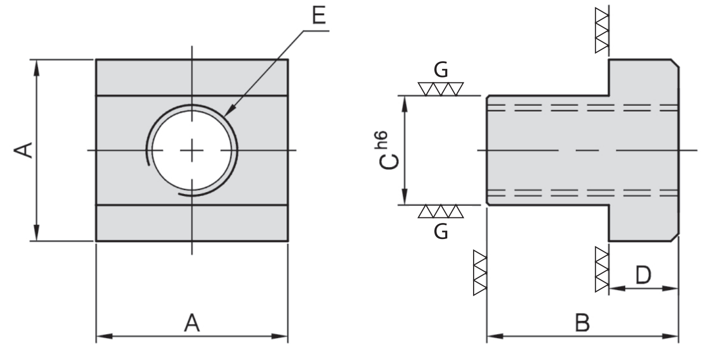
MODEL NO.	A	B	C	kg
PT07-18050	50	22	M18 P=2.5	0.100
PT07-18075	75	30		0.150
PT07-18100	100	38		0.200
PT07-18125	125	38		0.220
PT07-18150	150	50		0.300
PT07-18175	175	50		0.320
PT07-18200	200	65		0.360
PT07-18300	300	80		0.600
PT07-20050	50	22	M20 P=2.5	0.125
PT07-20075	75	30		0.170
PT07-20100	100	38		0.230
PT07-20125	125	38		0.275
PT07-20150	150	50		0.360
PT07-20175	175	50		0.437
PT07-20200	200	65		0.450
PT07-20250	250	65		0.550
PT07-20300	300	80		0.700
PT07-20400	400	100		0.880
PT07-20500	500	100		1.100
PT07-22050	50	22	M22 P=2.5	0.150
PT07-22075	75	30		0.223
PT07-22100	100	38		0.300
PT07-22125	125	38		0.373
PT07-22150	150	50		0.448
PT07-22175	175	50		0.522
PT07-22200	200	65		0.597
PT07-22250	250	65		0.746
PT07-22300	300	80		0.895
PT07-22400	400	100		1.194
PT07-22500	500	100		1.492
PT07-24050	50	22	M24 P=3.0	0.177
PT07-24075	75	30		0.266
PT07-24100	100	38		0.355
PT07-24125	125	38		0.443
PT07-24150	150	50		0.533
PT07-24175	175	50		0.620
PT07-24200	200	65		0.710
PT07-24250	250	65		0.880
PT07-24300	300	80		1.065
PT07-24400	400	100		1.420
PT07-24500	500	100		1.775

PT08

定位T型螺帽 T-SLOT NUT(GROUND)



- 材質：本體 S45C
- 熱處理：HRC 30°~35°
- 用途：使用於 T 形溝基板或 T 形溝基座，與治具零件作定位用。

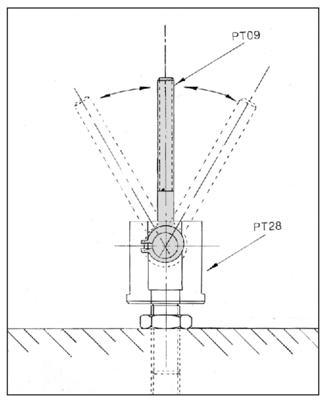


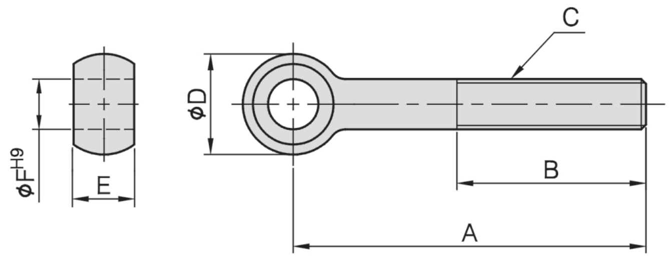
MODEL NO.	A	B	C	D	E	kg
PT08-1214	22	22	14	8	M12	0.045
PT08-1618	28	30	18	10	M16	0.080

PT09

單眼螺桿 EYEBOLT

- 材質：SCM220
- 熱處理：HRC 30°~35°
- 用途：與 PT28 配合使用
- 特長：拆裝方便，可任其發揮。



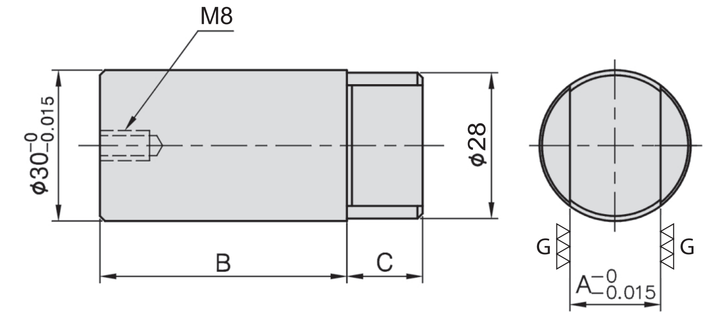


MODEL NO.	A	B	C	D	E	F	kg
PT09-10075	75	40	M10	20	12	10	0.060
PT09-10100	100	40	M10	20	12	10	0.080
PT09-12075	75	50	M12	25	14	12	0.095
PT09-12100	100	60	M12	25	14	12	0.120
PT09-16125	125	60	M16	32	17	16	0.250
PT09-16150	150	75	M16	32	17	16	0.300
PT09-20125	125	60	M20	40	22	20	0.400
PT09-20150	150	75	M20	40	22	20	0.485

LEAVE INDUSTRIAL

PT10

定位梢 LOCATING KEY

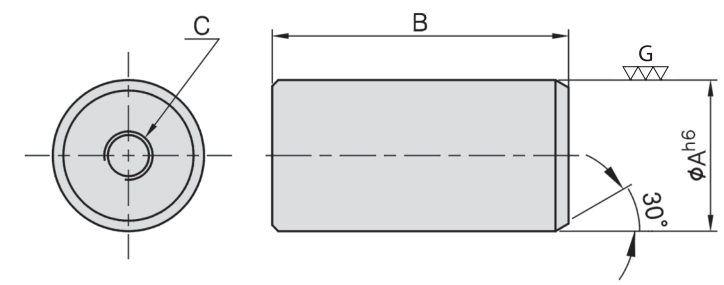


- 材質：SCM440
- 熱處理：HRC 55°
- 用途：用於基板與 MC 工作台 T 形溝作定位用

MODEL NO.	A	B	C	kg
PT10-1410	14	49	10.0	0.032
PT10-1815	18	49	15.0	0.033
PT10-2009	20	39	9.5	0.028
PT10-2010	20	49	10.0	0.033
PT10-2015	20	49	15.0	0.034

PT11

定位梢 THREADED DOWEL PINS



- 材質：SCM440
- 熱處理：HRC 45°
- 用途：基板或基座與治具零件作定位用

MODEL NO.	A	B	C	kg
PT11-0825	8	25	M4	0.010
PT11-1030	10	30	M5	0.015
PT11-1234	12	34	M6	0.030
PT11-1642	16	42	M6	0.060
PT11-2047	20	47	M8	0.100
PT11-2549	25	49	M8	0.160

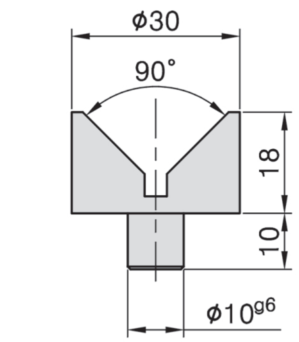
PT12

頂桿用端點零件 JACK SCREW TIP

- 材質：SCM440
- 熱處理：HRC 60°
- 表面：染黑處理
- 用途：與 SU11 配合，作支持工件用。

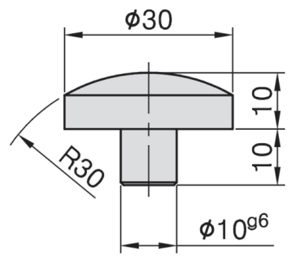
PT12A-3028

NW : 70g



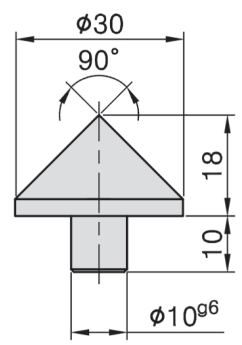
PT12B-3020

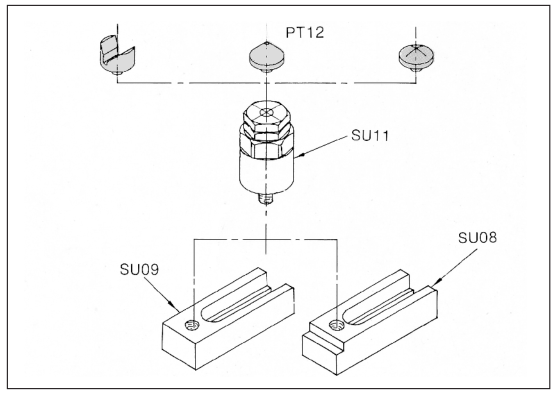
NW : 50g



PT12C-3028

NW : 60g





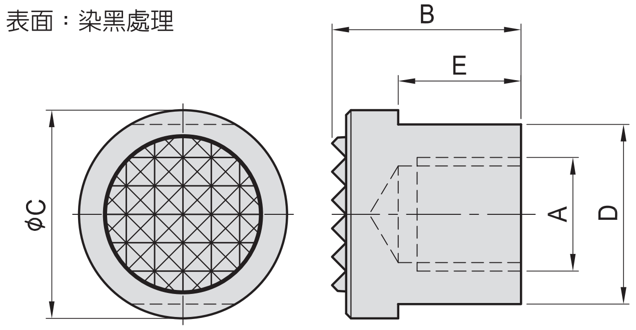
LEAVE INDUSTRIAL

PT13-15

支持件 GRIPPER NUT

- 材質：SCM440
- 熱處理：HRC 60°
- 表面：染黑處理

PT13 齒面支持件 SERRATED END



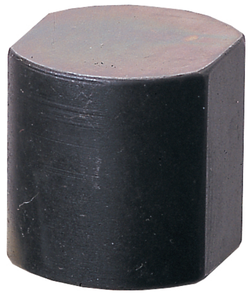
齒盤
- 材質：SKH9
- 熱處理：HRC 60°

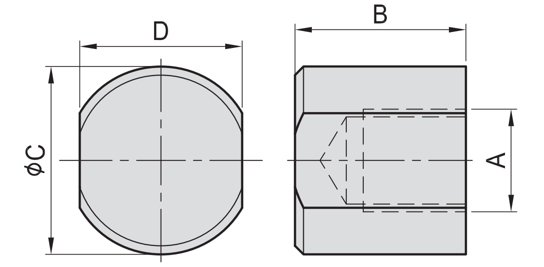
MODEL NO.	A	B	C	D	E	kg
PT13-1220	M12	20	22	19	13	0.043
PT13-1625	M16	25	28	24	16	0.080

齒盤
- 材質：鎢鋼

MODEL NO.	A	B	C	D	E	kg
PT13-1220-K	M12	20	22	19	13	0.043
PT13-1625-K	M16	25	28	24	16	0.080

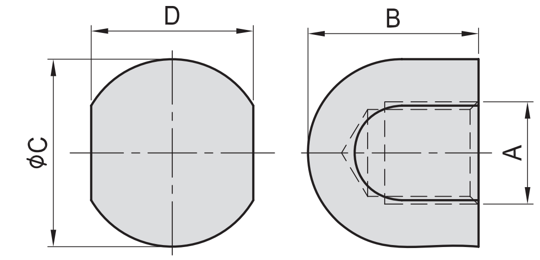
PT14 平面支持件 FLAT END





MODEL NO.	A	B	C	D	kg
PT14-1220	M12	20	22	19	0.043
PT14-1625	M16	25	28	24	0.076

PT15 圓頭支持件 ROUND END



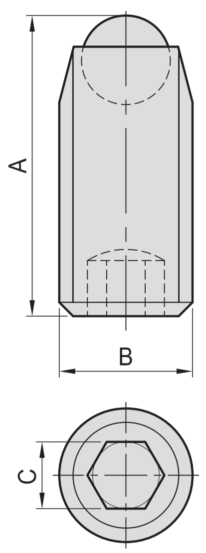
MODEL NO.	A	B	C	D	kg
PT15-1220	M12	20	22	19	0.042
PT15-1625	M16	25	28	24	0.063

PT16

動向鋼珠螺桿
SWIVEL CLAMPING SCREW

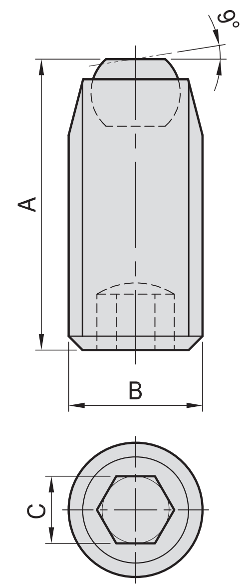
- 材質：本體 SCM21 鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°，鋼珠 HRC 62°
- 用途：配合治具零件的組成，可做夾持或支持之用
- 特長：點接觸，工件不易變形

PT16A 圓球型 ROUND END

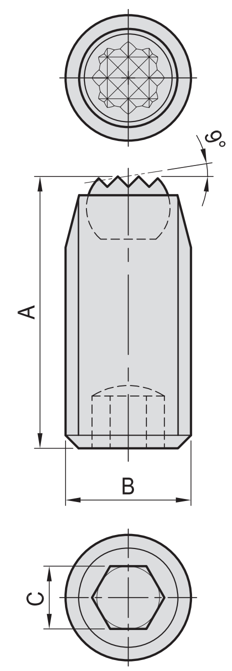


MODEL NO.	A	B	C	max (KN)	g
PT16A-0408	8.0	M4	2	4	0, 6
PT16A-0410	10.0				0, 7
PT16A-0412	12.0				0, 8
PT16A-0416	16.0				1, 1
PT16A-0510	10.0	M5	2.5	5	1, 0
PT16A-0512	12.0				1, 3
PT16A-0516	16.0				1, 7
PT16A-0520	20.0				2, 3
PT16A-0525	25.0				2, 9
PT16A-0610	10.8	M6	3	9	1, 5
PT16A-0615	13.5				2, 4
PT16A-0616	16.8				2, 4
PT16A-0620	20.8				3, 0
PT16A-0625	23.5				3, 8
PT16A-0812	12.0	M8	4	15	3, 2
PT16A-0816	17.2				4, 1
PT16A-0820	20.0				5, 8
PT16A-0825	26.2				7, 3
PT16A-0830	30.0				9, 0
PT16A-1014	15.0	M10	5	20	5, 0
PT16A-1015	16.0				6, 7
PT16A-1020	21.0				8, 7
PT16A-1025	26.0				11, 2
PT16A-1030	31.0				13, 7
PT16A-1035	36.0				16, 2
PT16A-1040	41.0				18, 7
PT16A-1218	18.2	M12	6	30	10, 0
PT16A-1220	23.2				12, 5
PT16A-1230	31.2				20, 0
PT16A-1240	41.2				30, 0
PT16A-1250	51.2				40, 0
PT16A-1625	25, 6	M16	8	60	28, 0
PT16A-1635	35, 6				40, 0
PT16A-1645	45, 6				45, 0
PT16A-1655	55, 6				55, 0
PT16A-1665	65, 6				65, 0
PT16A-2030	32.0	M20	10	90	54, 0
PT16A-2040	42.0				74, 0
PT16A-2050	52.0				94, 0
PT16A-2060	62.0				120, 0
PT16A-2435	37.0	M24	12	120	90, 0
PT16A-2450	52.0				130, 0
PT16A-2480	82.0				235, 0

PT16B 平面型 FLAT END



PT16C 齒型 SERRATED END



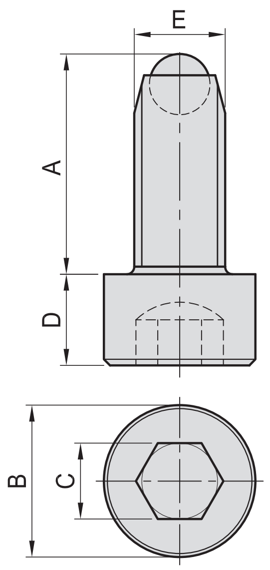
MODEL NO.	MODEL NO.	A	B	C	max (KN)	g
PT16B-0610	PT16C-0610	10.3	M6	3	9	1.5
PT16B-0615	PT16C-0615	13.0				2.4
PT16B-0616	PT16C-0616	16.3				2.4
PT16B-0620	PT16C-0620	20.3				3.0
PT16B-0625	PT16C-0625	23.0				3.8
PT16B-0812	PT16C-0812	11.2	M8	4	15	3.2
PT16B-0816	PT16C-0816	16.4				4.1
PT16B-0820	PT16C-0820	19.2				5.8
PT16B-0825	PT16C-0825	25.4				7.3
PT16B-0830	PT16C-0830	29.2				9.0
PT16B-1014	PT16C-1014	14.0	M10	5	20	5.0
PT16B-1015	PT16C-1015	15.0				6.7
PT16B-1020	PT16C-1020	20.0				8.7
PT16B-1025	PT16C-1025	25.0				11.2
PT16B-1030	PT16C-1030	30.0				13.7
PT16B-1035	PT16C-1035	35.0				16.2
PT16B-1040	PT16C-1040	40.0				18.7
PT16B-1218	PT16C-1218	17.0	M12	6	30	10.0
PT16B-1220	PT16C-1220	22.0				12.5
PT16B-1230	PT16C-1230	30.0				20.0
PT16B-1240	PT16C-1240	40.0				30.0
PT16B-1250	PT16C-1250	50.0				40.0
PT16B-1625	PT16C-1625	24.0	M16	8	60	28.0
PT16B-1635	PT16C-1635	34.0				40.0
PT16B-1645	PT16C-1645	44.0				45.0
PT16B-1655	PT16C-1655	54.0				55.0
PT16B-1665	PT16C-1665	64.0				65.0
PT16B-2030	PT16C-2030	30.0	M20	10	90	54.0
PT16B-2040	PT16C-2040	40.0				74.0
PT16B-2050	PT16C-2050	50.0				94.0
PT16B-2060	PT16C-2060	60.0				120.0
PT16B-2435	PT16C-2435	35.0	M24	12	120	90.0
PT16B-2450	PT16C-2450	50.0				130.0
PT16B-2480	PT16C-2480	80.0				235.0

PT17

動向鋼珠螺桿
SWIVEL SHOULDER CLAMPING SCREW

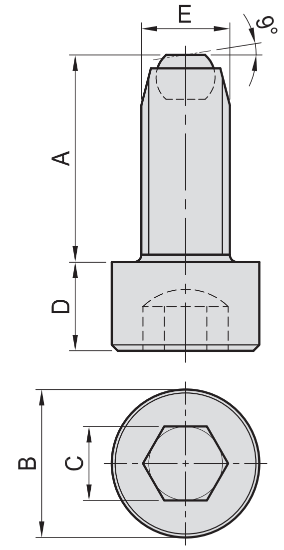
- 材質：本體 SCM21 鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°，鋼珠 HRC 62°
- 用途：配合治具零件的組成，可作夾持或支持之用
- 特長：點接觸，工件不易變形

PT17A 圓球型 ROUND END



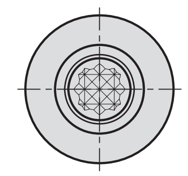
MODEL NO.	A	B	C	D	E	max (KN)	g
PT17A-0615	14.5	10	5	6	M 6	9	5.3
PT17A-0625	23.5						7.4
PT17A-0635	33.5						9.5
PT17A-0820	18.7	13	6	8	M 8	15	13.5
PT17A-0830	28.7						20.0
PT17A-0840	38.7						24.0
PT17A-0850	50.7						30.0
PT17A-1025	25.0	16	8	10	M10	20	26.0
PT17A-1040	40.0						34.0
PT17A-1060	60.0						46.0
PT17A-1230	31.2	18	10	12	M12	30	40.0
PT17A-1245	46.2						50.0
PT17A-1265	66.2						70.0
PT17A-1280	81.2						83.0
PT17A-1640	40.6	24	14	16	M16	60	90.0
PT17A-1650	50.6						110.0
PT17A-1665	65.6						130.0
PT17A-1690	90.6						170.0
PT17A-20050	52.0	30	17	20	M20	90	185.1
PT17A-20080	82.0						256.4
PT17A-20100	102.0						301.2
PT17A-24060	62.0	36	19	24	M24	120	324.8
PT17A-24090	92.0						283.5
PT17A-24120	122.0						351.0

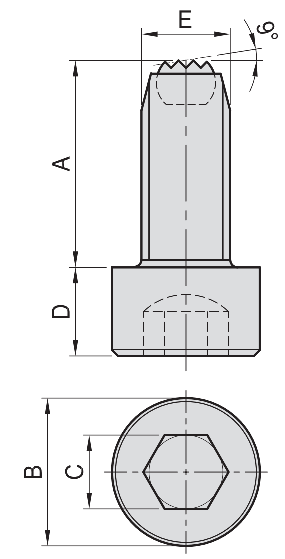
PT17B 平面型 FLAT END



MODEL NO.	A	B	C	D	E	max (KN)	g
PT17B-0615	14	10	5	6	M 6	9	5. 3
PT17B-0625	23						7. 4
PT17B-0635	33						9. 5
PT17B-0820	18	13	6	8	M 8	15	13. 5
PT17B-0830	28						20. 0
PT17B-0840	38						24. 0
PT17B-0850	50						30. 0
PT17B-1025	24	16	8	10	M10	20	26. 0
PT17B-1040	39						34. 0
PT17B-1060	59						46. 0
PT17B-1230	30	18	10	12	M12	30	40. 0
PT17B-1245	45						50. 0
PT17B-1265	65						70. 0
PT17B-1280	80						83. 0
PT17B-1640	39	24	14	16	M16	60	90. 0
PT17B-1650	49						110. 0
PT17B-1665	64						130. 0
PT17B-1690	89						170. 0
PT17B-20050	50	30	17	20	M20	90	185. 1
PT17B-20080	80						256. 4
PT17B-20100	100						301. 2
PT17B-24060	60	36	19	24	M24	120	324. 8
PT17B-24090	90						283. 5
PT17B-24120	120						351. 0

PT17C 齒型 SERRATED END



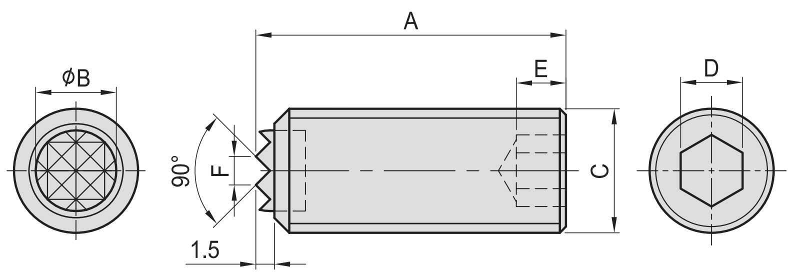


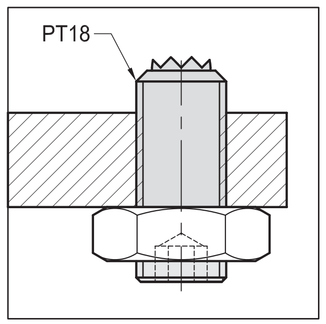
MODEL NO.	A	B	C	D	E	max (KN)	g
PT17C-0615	14	10	5	6	M 6	9	5. 3
PT17C-0625	23						7. 4
PT17C-0635	33						9. 5
PT17C-0820	18	13	6	8	M 8	15	13. 5
PT17C-0830	28						20. 0
PT17C-0840	38						24. 0
PT17C-0850	50						30. 0
PT17C-1025	24	16	8	10	M10	20	26. 0
PT17C-1040	39						34. 0
PT17C-1060	59						46. 0
PT17C-1230	30	18	10	12	M12	30	40. 0
PT17C-1245	45						50. 0
PT17C-1265	65						70. 0
PT17C-1280	80						83. 0
PT17C-1640	39	24	14	16	M16	60	90. 0
PT17C-1650	49						110. 0
PT17C-1665	64						130. 0
PT17C-1690	89						170. 0
PT17C-20050	50	30	17	20	M20	90	185. 1
PT17C-20080	80						256. 4
PT17C-20100	100						301. 2
PT17C-24060	60	36	19	24	M24	120	324. 8
PT17C-24090	90						283. 5
PT17C-24120	120						351. 0

PT18

齒型螺桿 GRIPPER SCREW

- 材質：本體SCM435
- 熱處理：本體HRC 32°~ 38°
- 表面：染黑處理
- 用途：配合治具零件的組成，作支持工件之用
- 特長：支持黑皮面之工件，使其不易滑動





MODEL NO.	A	B	C	D	E	F	kg
PT18-1025	25	6. 5	M10	5	4	2. 3	0. 015
PT18-1050	50						0. 030
PT18-1225	25	8. 0	M12	6	5	2. 3	0. 022
PT18-1250	50						0. 045
PT18-1625	25	11. 5	M16	8	6	3. 0	0. 038
PT18-1650	50						0. 078
PT18-2025	25	13. 0	M20	10	8	3. 0	0. 058
PT18-2050	50						0. 120

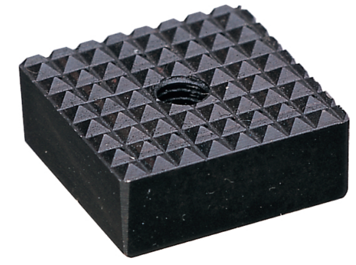
齒盤
- 材質：SKH9
- 熱處理：HRC60°
- 表面：染黑處理

MODEL NO.	A	B	C	D	E	F	kg
PT18-1025-K	25	6. 5	M10	5	4	2. 3	0. 015
PT18-1050-K	50						0. 030
PT18-1225-K	25	8. 0	M12	6	5	2. 3	0. 022
PT18-1250-K	50						0. 045
PT18-1625-K	25	11. 5	M16	8	6	3. 0	0. 038
PT18-1650-K	50						0. 078
PT18-2025-K	25	13. 0	M20	10	8	3. 0	0. 058
PT18-2050-K	50						0. 120

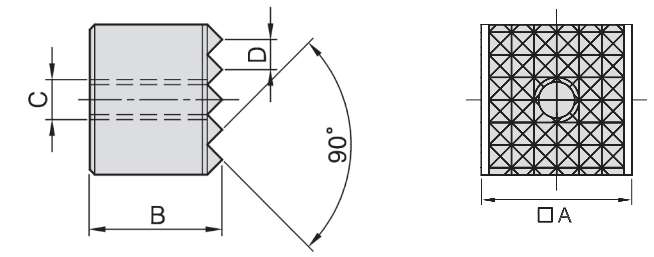
齒盤
- 材質：鎢鋼
- 表面：染黑處理

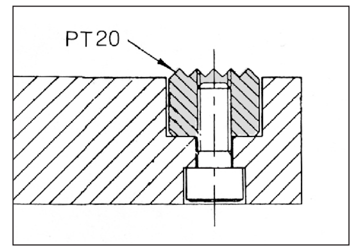
PT20

齒型支持件 GRIPPER PAD(SQUARE)



- 材質：SKH9
- 熱處理：HRC 60°
- 表面：染黑處理
- 用途：支持黑皮面工件用



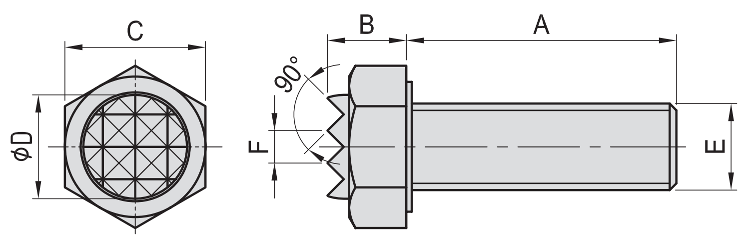


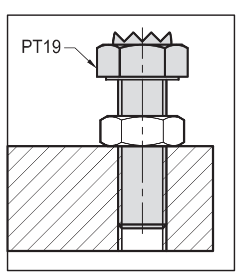
MODEL NO.	A	B	C	D	kg
PT20-1010	10	10	M5	2.3	0.008
PT20-1210	12	10	M6	3.0	0.010
PT20-2010	20	10	M6	3.0	0.030
PT20-2510	25	10	M6	3.0	0.043

PT19

齒型螺桿 GRIPPER SCREW

- 材質：本體SCM435
- 熱處理：本體HRC 32°~38°
- 表面：染黑處理
- 用途：配合治具零件的組成，作支持工件之用
- 特長：支持黑皮面之工件，使其不易滑動





MODEL NO.	A	B	C	D	E	F	kg
PT19-061025	25	6.0	10	7.9	M6	2.3	0.008
PT19-081325		7.3	13	9.5	M8	3.0	0.015
PT19-101725	25	8.4	17	12.7	M10	3.0	0.030
PT19-101740	40						0.035
PT19-121925	25	9.5	19	15.9	M12	3.0	0.035
PT19-121940	40						0.050
PT19-162435	35	12.0	24	19.1	M16	3.0	0.085
PT19-162450	50						0.100
PT19-203040	40	14.5	30	25.4	M20	3.0	0.160
PT19-203060	60						0.205

齒盤
- 材質：SKH9
- 熱處理：HRC 60°
- 表面：染黑處理

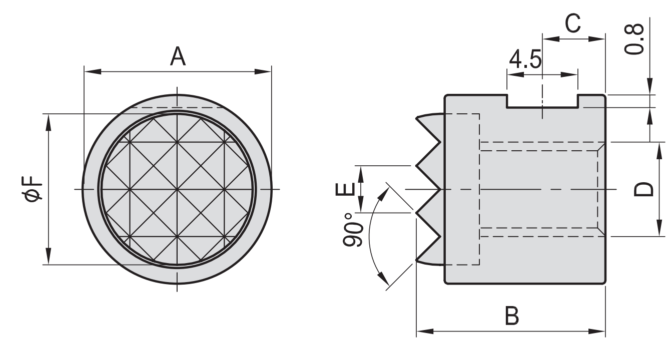
MODEL NO.	A	B	C	D	E	F	kg
PT19-061025-K	25	6.0	10	7.9	M6	2.3	0.008
PT19-081325-K		7.3	13	9.5	M8	3.0	0.015
PT19-101725-K	25	8.4	17	12.7	M10	3.0	0.030
PT19-101740-K	40						0.035
PT19-121925-K	25	9.5	19	15.9	M12	3.0	0.035
PT19-121940-K	40						0.050
PT19-162435-K	35	12.0	24	19.1	M16	3.0	0.085
PT19-162450-K	50						0.100
PT19-203040-K	40	14.5	30	25.4	M20	3.0	0.160
PT19-203060-K	60						0.205

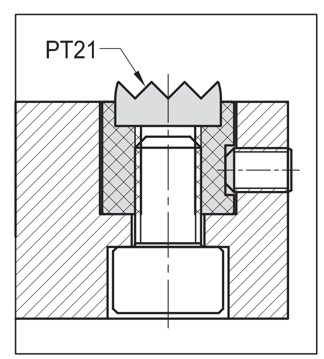
齒盤
- 材質：鎢鋼
- 表面：染黑處理

PT21

齒型支持件 GRIPPER PAD(ROUND)

- 材質：本體 S45C
- 熱處理：本體 HRC 33°
- 表面：染黑處理
- 用途：支持黑皮面之工件





MODEL NO.	A	B	C	D	E	F	kg
PT21-1010	10	10.0	3.4	M5	2.3	8.1	0.005
PT21-1212	12	12.0	4.0	M6	3.0	9.6	0.008
PT21-1612	16					13.0	0.016
PT21-2012	20	12.0	4.0	M6	3.0	16.3	0.025
PT21-2512	25					19.5	0.040

齒盤
- 材質：SKH9
- 熱處理：HRC 60°
- 表面：染黑處理

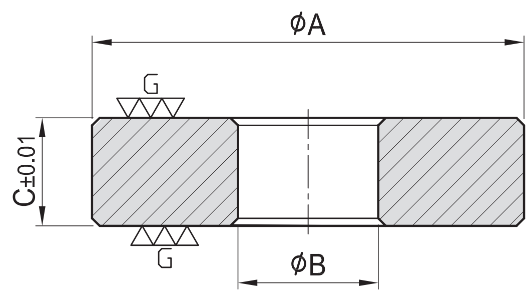
MODEL NO.	A	B	C	D	E	F	kg
PT21-1010-K	10	10.0	3.4	M5	2.3	8.1	0.005
PT21-1212-K	12	12.0	4.0	M6	3.0	9.6	0.008
PT21-1612-K	16					13.0	0.016
PT21-2012-K	20	12.0	4.0	M6	3.0	16.3	0.025
PT21-2512-K	25					19.5	0.040

齒盤
- 材質：鎢鋼
- 表面：染黑處理

BP
BPA
BC
CP
SU
PT
SVF
ALV
OK-VISE
MITEE-BITE
JER-GENS
其他類
技術資料

PT22

墊圈 SPACER

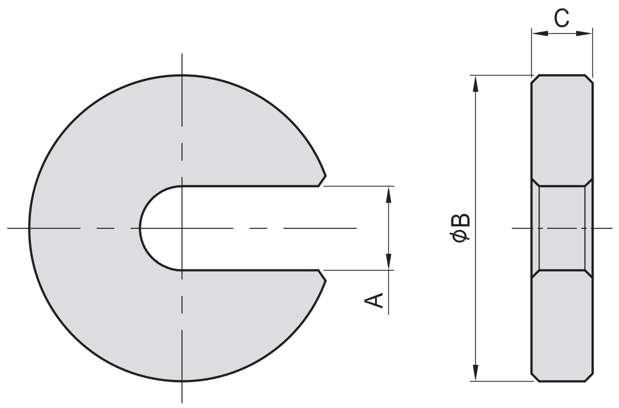


- 材質：S45C
- 熱處理：HRC 40°
- 用途：配合治具零件，作加高或延長之輔助

MODEL NO.	A	B	C	kg
PT22-1303	40	13	3	0.030
PT22-1305			5	0.045
PT22-1310			10	0.100
PT22-1330			30	0.300
PT22-1703	50	17	3	0.035
PT22-1705			5	0.070
PT22-1710			10	0.350
PT22-1730			30	0.950

PT23

開口墊圈 "C" WASHER

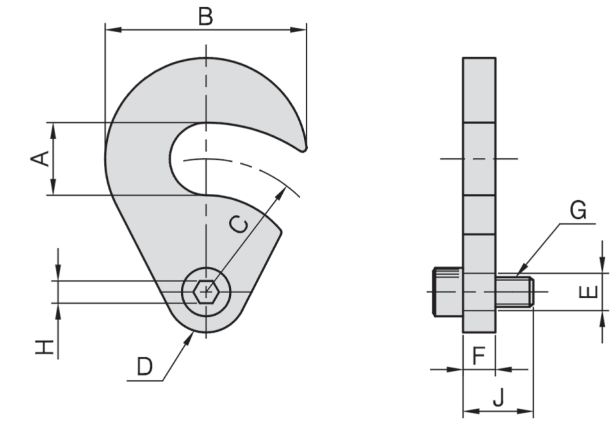


- 材質：S45C
- 熱處理：HRC 40°
- 用途：配合螺帽對工件作夾持之用
- 特長：拆裝工件，螺母不必全部脫離

MODEL NO.	A	B	C	kg
PT23-0835	9	35	8	0.065
PT23-1040	11	40		0.065
PT23-1255	13	55	10	0.150
PT23-1665	17	65		0.200
PT23-2080	21	80	10	0.300
PT23-2490	25	90	12	0.470

PT24

鉤型墊圈 SWING "C" WASHER

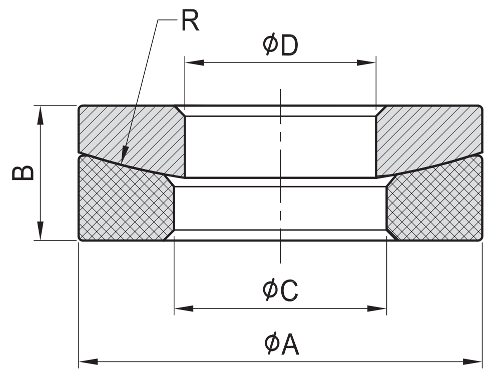


- 材質：4140
- 熱處理：HRC 40°
- 表面：染黑處理
- 用途：墊於工件之夾緊面
- 特長：拆裝方便

MODEL NO.	A	B	C	D	E	F	G	H	J	kg
PT24-0632	11.0	32	24	16	8	6	M6	8	15	0.050
PT24-0840	13.5	40	27	20	10	8	M8	10	20	0.090
PT24-0850	18.0	50	33	20	10	8	M8	10	20	0.130

PT25

球型墊圈 SPHERICAL WASHER

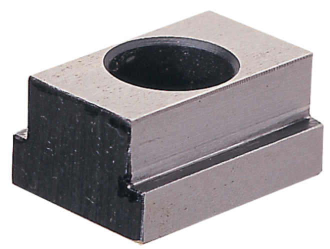


- 材質：S45C
- 熱處理：HRC 38°
- 表面：染黑處理
- 用途：墊於螺帽下方，隨壓板作適當的傾斜

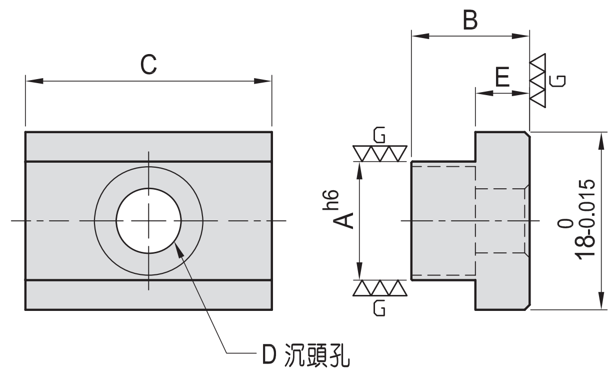
MODEL NO.	A	B	C	D	R	kg
PT25-0819	19	6.2	10	9	30	0.013
PT25-1022	22	8.0	12	11		0.019
PT25-1226	26	7.5	15	13	32	0.024
PT25-1428	28	9.0	16	15	40	0.033
PT25-1632	32		19	17		0.058
PT25-1835	35	10.0	20	19		0.050
PT25-2040	40	11.8	23	21	48	0.089
PT25-2245	45	12.5	26	24	70	0.110
PT25-2450	50	13.5	28	27		0.150

PT26

定位鍵 LOCATING KEY



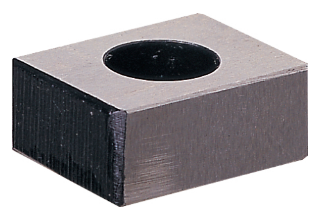
- 材質：S45C
- 熱處理：HRC 50°
- 用途：用於各治具零件與 T 形溝基板
  或基座組合之定位用



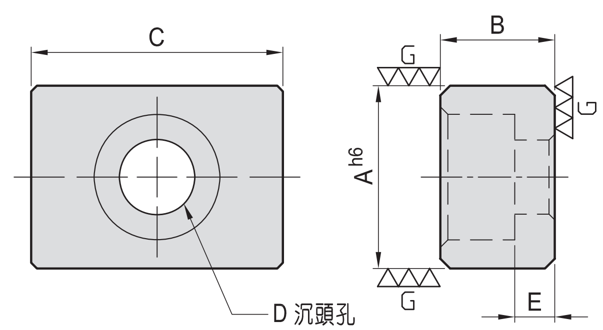
MODEL NO.	A	B	C	D	E	kg
PT26-1812	12	12	25	M6	5.5	0.035
PT26-1814	14					0.040
PT26-1816	16					
PT26-1820	20					
PT26-1822	22					

PT27

定位鍵 LOCATING KEY



- 材質：S45C
- 熱處理：HRC 45°~50°
- 用途：用於各治具零件與 T 形溝基板
  或基座組合之定位用

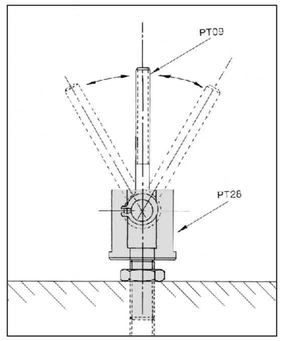


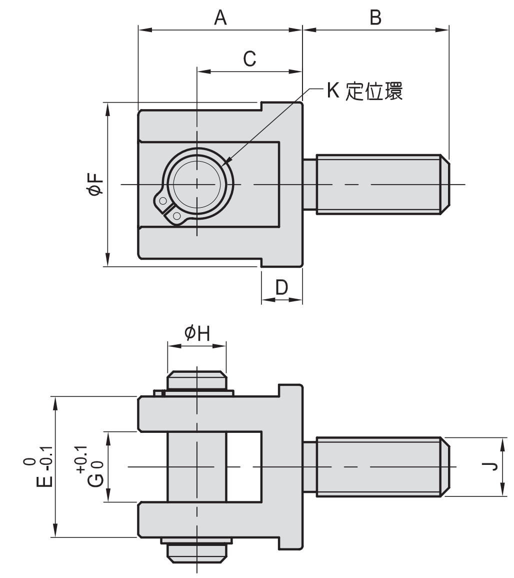
MODEL NO.	A	B	C	D	E	kg
PT27-1008	10	8	20	M4	3.5	0.015
PT27-1208	12			M5	2.5	0.019
PT27-1410	14	10	22	M6	3.5	0.020
PT27-1610	16					
PT27-1810	18					0.025
PT27-2010	20					
PT27-2210	22					0.030

PT28

動向連結件 SWIVEL JOINT SUPPORT

- 材質：S45C
- 熱處理：HRC 32°~38°
- 表面：染黑處理
- 用途：與 PT09 配合組成一
  可活動式之夾具



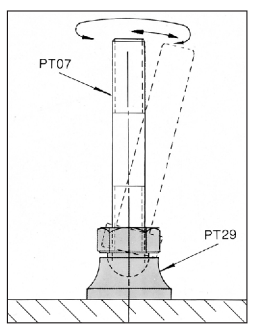


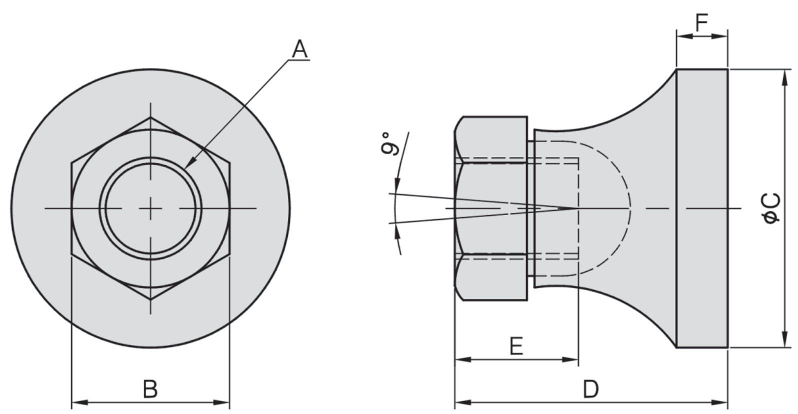
MODEL NO.	A	B	C	D	E	F	G	H	J	K	kg
PT28-1025	28	25	18	7.0	24	28	12	10	M10	10	0.055
PT28-1230	34	30	21	7.5	25	30	14	12	M12	12	0.105
PT28-1640	42	40	26	9.0	34	40	17	16	M16	16	0.210
PT28-2050	52	50	32	11.0	42	50	22	20	M20	20	0.300

PT29

動向支持座 SWIVEL PAD

- 材質：S45C
- 熱處理：HRC 32°~38°
- 表面：染黑處理
- 用途：與螺栓組合，可作為支持壓板之用
- 特長：隨壓板做適當的傾斜

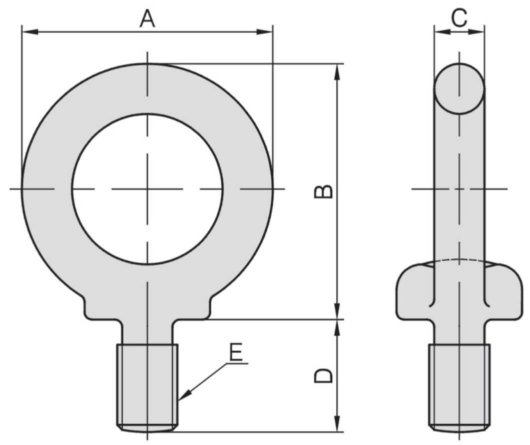




MODEL NO.	A	B	C	D	E	F	kg
PT29-1219	M12	19	35	24	11	7	0.080
PT29-1624	M16	24	40	29	13	8	0.150
PT29-2029	M20	29	50	40	18	10	0.300

PT30

吊環 LIFTING EYEBOLT

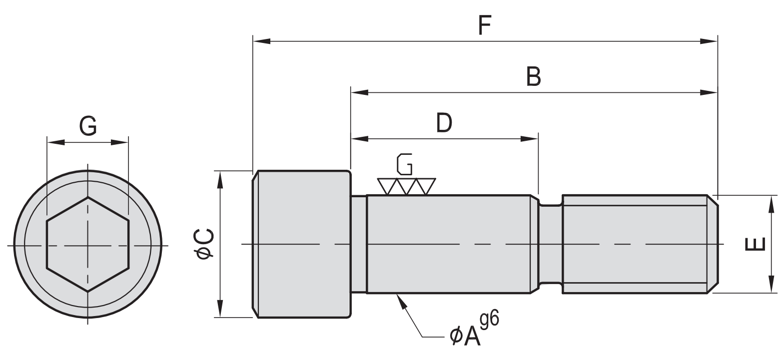


MODEL NO.	A	B	C	D	E	Load kg	kg
PT30-08	32.6	33.3	6.3	15	M 8	80	0.032
PT30-10	41.0	41.5	8.0	18	M10	150	0.063
PT30-12	50.0	51.0	10.0	22	M12	220	0.125
PT30-16	60.0	60.0	12.5	27	M16	450	0.216
PT30-20	72.0	71.0	16.0	30	M20	630	0.400
PT30-24	90.0	90.0	20.0	38	M24	950	0.830
PT30-30	110.0	110.0	25.0	45	M30	1500	1.500
PT30-36	133.0	131.5	31.5	55	M36	2300	2.900
PT30-42	151.0	150.5	35.5	65	M42	3400	4.400

PT31

定位螺栓 SHOULDER BOLT

- 材質：SCM435
- 熱處理：HRC 32°~38°
- 表面：染黑處理
- 用途：可同時作固定治具與定位之用



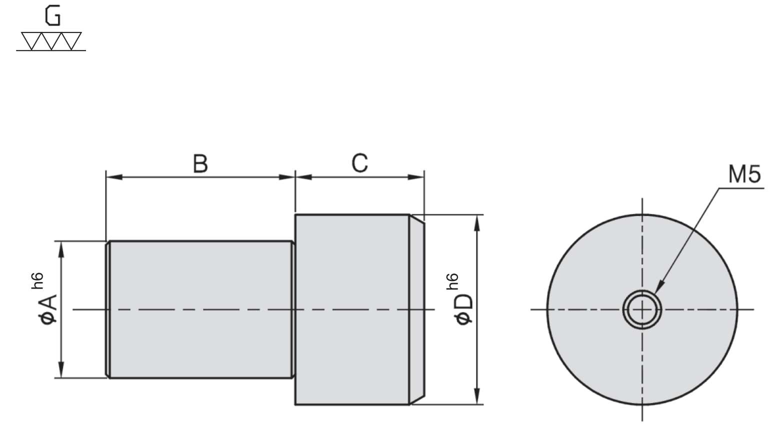
MODEL NO.	A	B	C	D	E	F	G	kg
PT31-1245	12	45	18	23	M12	57	10	0.053
PT31-1255		55		33		67		0.060
PT31-1265	12	65	18	43	M12	77	10	0.070
PT31-1275		75		53		87		0.078
PT31-1655	16	55	24	28	M16	72	14	0.120
PT31-1665		65		40		82		0.140
PT31-1675	16	75	24	50	M16	92	14	0.150

LEAVE INDUSTRIAL

PT32

異徑定位梢 SHOULDER DOWEL PIN

- 材質：SCM435
- 熱處理：HRC 55°
- 用途：作各治具零件之定位用

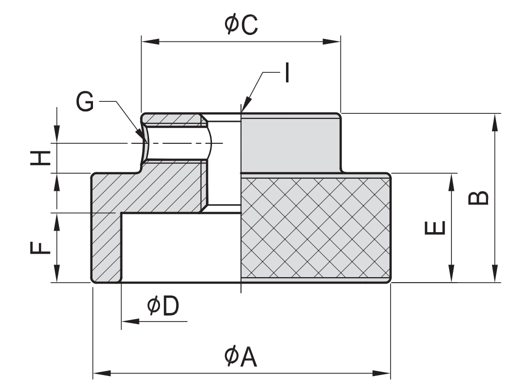


MODEL NO.	A	B	C	D	kg
PT32-081225	8	13	12	12	0.012
PT32-121632	12	18	14	16	0.032
PT32-142037	14	22	15	20	0.052
PT32-162239	16	22	17	22	0.072
PT32-182542	18	25	17	25	0.098

PT33

手輪螺帽 KNURLED NUT

- 材質：S45C
- 熱處理：HRC 32°~38°
- 表面：染黑處理
- 用途：與螺栓組成，可作微調之手輪



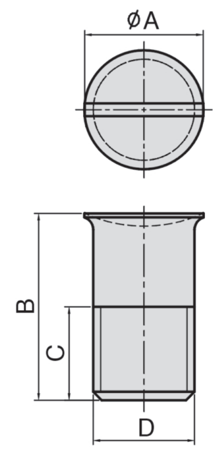
MODEL NO.	A	B	C	D	E	F	G	H	I	kg
PT33-0830	30	17	20	24	11	7	M4	3	M8	0.050
PT33-1035	35	20	28	30	13	8	M4	4	M10	0.090
PT33-1240	40	24	32	34	15	10	M5	4	M12	0.120
PT33-1645	45	30	35	38	18	12	M6	5	M16	0.180

- 材質：S45C
- 用途：保護定位孔用
- 特長：防止鐵屑滲入

PT34

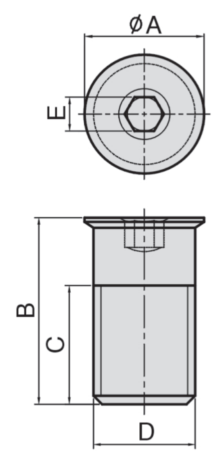
護孔螺栓 PROTECTION PLUG

S45C(JIS) / CK45(DIN)
金屬



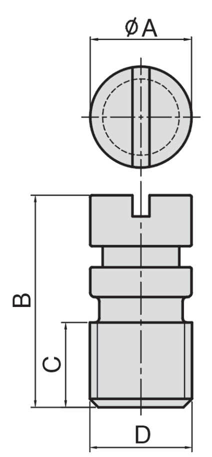
MODEL NO.	A	B	C	D	kg
PT34-10	11	19	10	M10	0.015
PT34-12	14	22	11	M12	0.018
PT34-16	18	25	13	M16	0.035

PBT 塑膠



MODEL NO.	A	B	C	D	E	kg
PT34-12-PBT	14	22	14	M12	4	0.005
PT34-16-PBT	18	25	11	M16	5	0.010

AL 鋁合金



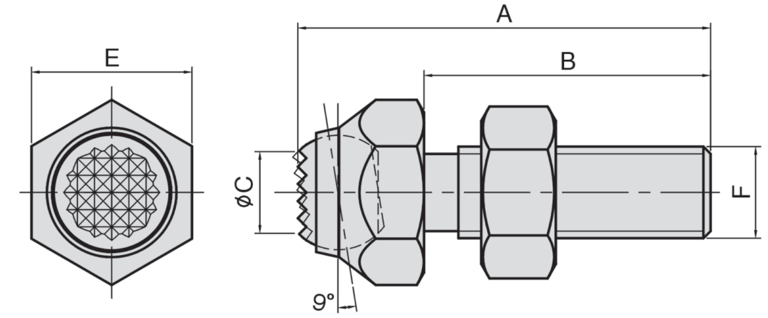
MODEL NO.	A	B	C	D	kg
PT34-12-AL	12	25	10	M12	0.007
PT34-16-AL	16	30	11	M16	0.015

LEAVE INDUSTRIAL

PT35

齒面動向鋼珠螺桿支持件
SWIVELING JACK SCREW

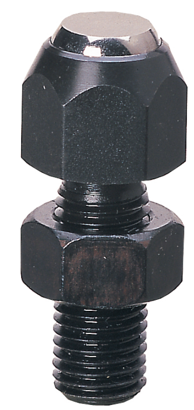
- 材質：本體 S45C，鋼珠 SUJ2
- 硬度：本體 HRC 28°~32°
  鋼珠 HRC 62°



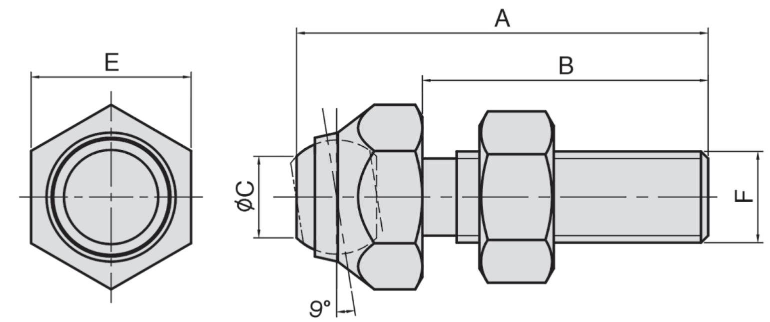
MODEL NO.	A	B	C	E	F	kg
PT35-0814	36	25	7	14	M8x1.25	0.025
PT35-1017	45	30	8	17	M10x1.50	0.055
PT35-1217	50	35	10	17	M12x1.75	0.055
PT35-1624	60	40	12	24	M16x2.00	0.140
PT35-2036	87	60	14	36	M20x2.50	0.330
PT35-2436	98	66	18	36	M24x2.00	0.660
PT35-3046	110	75	21	46	M30x2.00	1.100

PT36

平面動向鋼珠螺桿支持件
SWIVELING JACK SCREW



- 材質：本體 S45C，鋼珠 SUJ2
- 硬度：本體 HRC 28°~32°
  鋼珠 HRC 62°

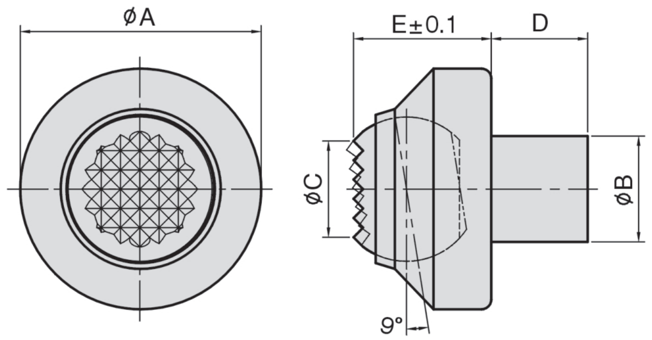


MODEL NO.	A	B	C	E	F	kg
PT36-0814	36	25	7	14	M8x1.25	0.025
PT36-1017	45	30	8	17	M10x1.50	0.055
PT36-1217	50	35	10	17	M12x1.75	0.055
PT36-1624	60	40	12	24	M16x2.00	0.140
PT36-2036	87	60	14	36	M20x2.50	0.330
PT36-2436	98	66	18	36	M24x2.00	0.660
PT36-3046	110	75	21	46	M30x2.00	1.100

PT37

齒面動向鋼珠支持件 SWIVEL REST TIP

- 材質：本體 S45C，鋼珠 SUJ2
- 硬度：本體 HRC 28°~32°
  鋼珠 HRC 62°

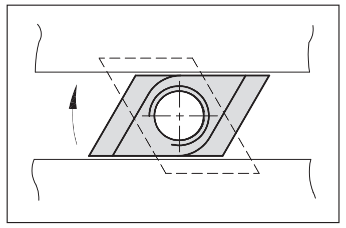


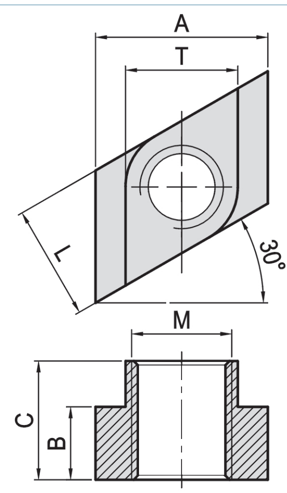
MODEL NO.	A	B	C	D	E	kg
PT37-1116	25	11	10	10	14.3	0.03
PT37-1118	30	11	12	10	18.0	0.04

PT38

迴轉式T型螺帽 ROTARY T-SLOT NUT

- 材質：SCM220
- 熱處理：HRC 30°~35°
- 表面：染黑處理



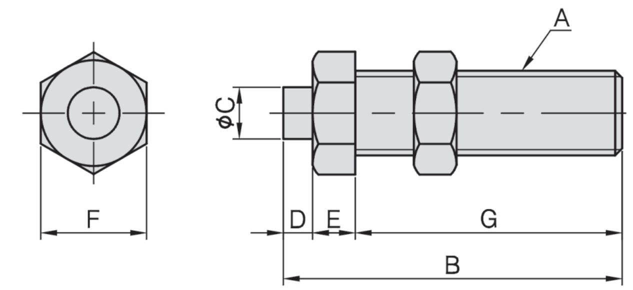


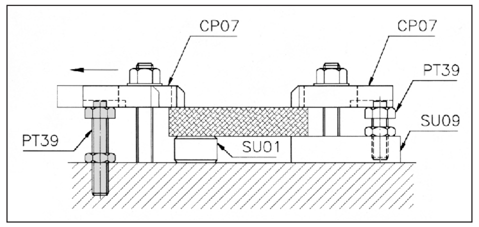
MODEL NO.	T	A	B	C	L	M	kg
PT38-1210	11.7	17.5	5.5	12.7	11.5	M10	0.010
PT38-1412	13.8	22.2	8.7	15.8	13.5	M12	0.023
PT38-1614	15.8	25.4	8.7	15.8	15.5	M14	0.030
PT38-1816	17.8	28.5	11.1	19.0	17.5	M16	0.030
PT38-2018	19.7	31.7	11.9	19.0	19.5	M18	0.044
PT38-2220	21.7	36.0	13.8	25.4	21.5	M20	0.062
PT38-2420	23.5	38.2	14.0	25.4	23.5	M20	0.092
PT38-2824	26.9	41.3	17.5	28.5	27.5	M24	0.162

PT39

螺桿支持件 CLAMP REST

- 材質：S45C
- 硬度：HRC 35°



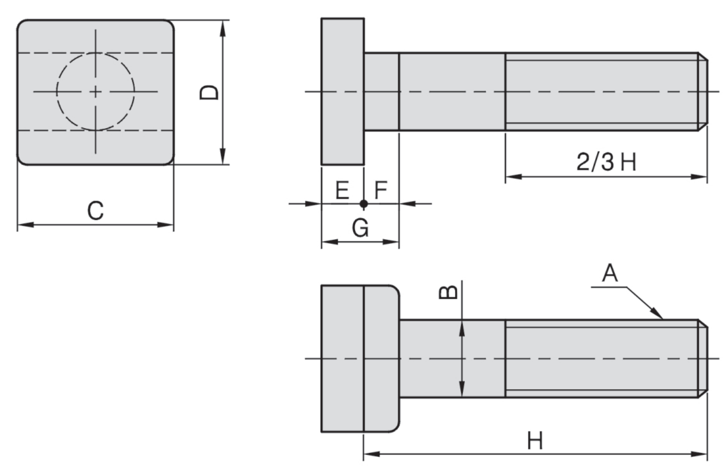


MODEL NO.	A	B	C	D	E	F	G	kg
PT39-1219	M12	75	9.5	6	9	19	60	0.09
PT39-1624	M16	80	11.0	7	10	24	63	0.17
PT39-2030	M20	100	12.0	8	12	30	80	0.35

- 材質：S45C鍛造鋼
- 表面：染黑處理
- 硬度：HRC 32°~38°

PT40

T型螺桿 T-SLOT BOLT



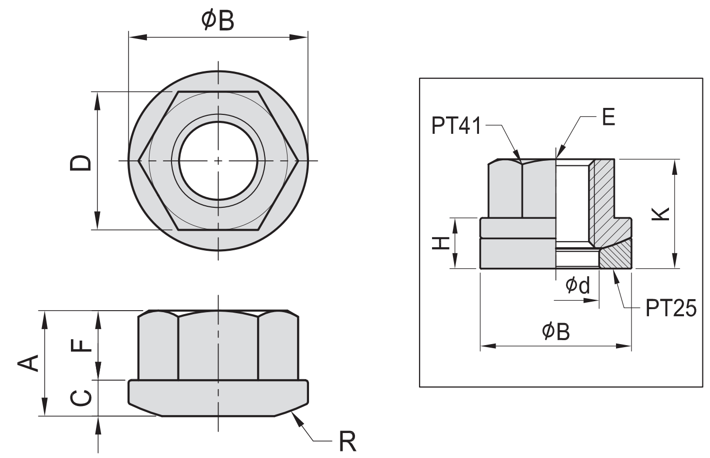
MODEL NO.	A	B	C	D	E	F	G	H	kg
PT40-12050	M12	φ12	26	22	7	6	13	50	0.054
PT40-12075								75	0.057
PT40-12100								100	0.110
PT40-12125								125	0.125
PT40-12150								150	0.140
PT40-12175								175	0.170
PT40-12200								200	0.185
PT40-16050	M16	φ16	32	27	8	8	16	50	0.130
PT40-16075								75	0.160
PT40-16100								100	0.200
PT40-16125								125	0.230
PT40-16150								150	0.270
PT40-16175								175	0.305
PT40-16200								200	0.325
PT40-18075	M18	φ18	40	30	11	11	22	75	0.270
PT40-18100								100	0.320
PT40-18125								125	0.340
PT40-18150								150	0.385
PT40-18175								175	0.445
PT40-18200								200	0.490
PT40-20075	M20	φ20	40	30	11	11	22	75	0.290
PT40-20100								100	0.350
PT40-20125								125	0.400
PT40-20150								150	0.455
PT40-20175								175	0.505
PT40-20200								200	0.560
PT40-20250								250	0.660
PT40-20315								315	1.000
PT40-22100	M22	φ22	40	38	14	13	27	100	0.450
PT40-22125								125	0.510
PT40-22150								150	0.580
PT40-22175								175	0.635
PT40-22200								200	0.700
PT40-24100	M24	φ24	50	44	16	15	31	100	0.650
PT40-24125								125	0.690
PT40-24150								150	0.775
PT40-24175								175	0.855
PT40-24200								200	0.925

LEAVE INDUSTRIAL

- 材質：S45C
- 硬度：HRC 32°~35°

PT41

球面螺帽 SWIVEL FLANGE NUTS

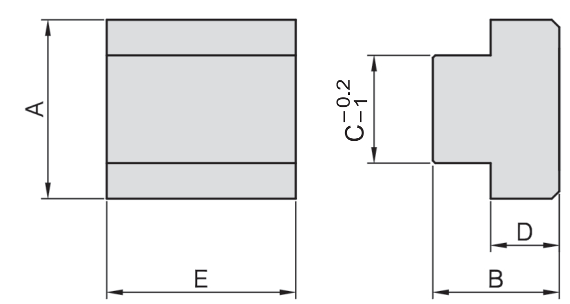


MODEL NO.	A	B	C	D	d	E	F	H	K	R	kg
PT41-0813	12.0	19	3.0	13	10	M8	7.8	7	15.0	30	0.021
PT41-1017	13.0	22		17	12	M10	8.4	8	16.5		0.032
PT41-1219	14.3	26	4.0	19	15	M12	9.0	10	19.0	32	0.046
PT41-1422	17.5	28	4.5	22	16	M14	11.4	11	22.0	40	0.066
PT41-1624	20.0	32		24	19	M16	12.8		23.8		0.103
PT41-1827	20.6	35		27	20	M18	13.6	12	25.5		0.106
PT41-2030	25.0	40	6.0	30	23	M20	16.6	14	31.0	48	0.183
PT41-2232	25.4	45		32	26	M22	16.9	15	31.5	70	0.210
PT41-2436	28.0	50		36	28	M24	18.7		33.5		0.270

- 材質：S45C

PT42

T型螺帽素材 T-SLOT NUT-BLANK

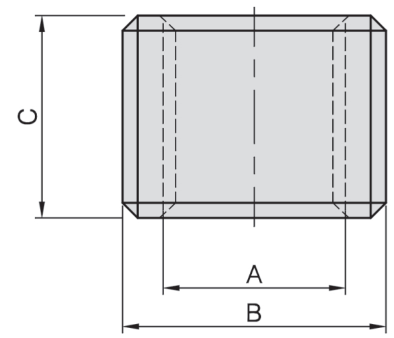


MODEL NO.	A	B	C	D	E	kg
PT42-1022	15.8	12.7	10	4.7	22	0.026
PT42-1222	17.5		12	5.5		0.032
PT42-1428	22.2	15.8	14	8.7	28	0.064
PT42-1628	25.4		16	8.7		0.073
PT42-1830	28.5	19.0	18	11.1	30	0.112
PT42-2030	31.7		20	11.9		0.128
PT42-2238	36.0	25.0	22	13.8	38	0.223
PT42-2438	38.2		24	14.0		0.239
PT42-2644	41.3	25.0	26	15.8	44	0.309
PT42-2850	44.0	28.5	28	17.5	50	0.403

PT43

牙套 THREADED INSERT

- 材質：S45C
- 硬度：HRC 32°~35°

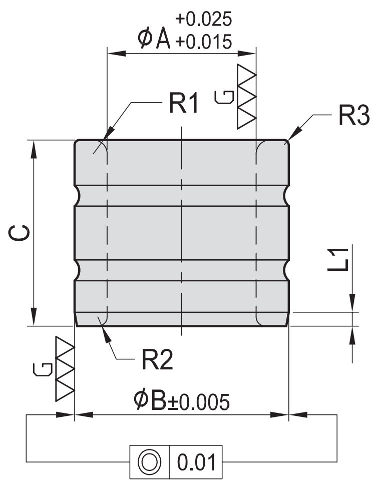


MODEL NO.	A	B	C	kg
PT43-0612-10	M6x1.00	M12x1.5	10	0.005
PT43-0814-12	M8x1.25	M14x1.5	12	0.008
PT43-1016-15	M10x1.50	M16x1.5	15	0.010
PT43-1218-16	M12x1.75	M18x2.0	16	0.015
PT43-1420-18	M14x2.00	M20x2.0	18	0.300
PT43-1622-14	M16x2.00	M22x2.0	14	0.020
PT43-1622-20	M16x2.00	M22x2.0	20	0.025
PT43-2028-25	M20x2.50	M28x2.0	25	0.050

PT44

襯套 POSITIONING BUSHING

- 材質：SUJ2
- 硬度：HRC 60°

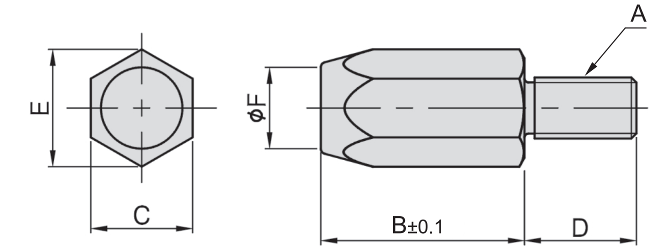


MODEL NO.	A	B	C	R1	R2	R3	L1	kg
PT44-0613-10	6	13	10	1.0	0.5	0.5	1.25	0.007
PT44-0815-10	8	15						0.009
PT44-1018-12	10	18	12	1.5	0.5	0.5	1.50	0.015
PT44-1220-12	12	20						0.017
PT44-1423-16	14	23	16	1.5	1.0	0.5	1.50	0.030
PT44-1523-16	15							0.028
PT44-1623-16	16	23	16	1.5	1.0	0.5	1.50	0.025
PT44-1623-20			20					0.030
PT44-1826-20	18	26	20	1.5	1.0	0.5	1.50	0.040
PT44-2030-20	20	30	20	2.0	1.5	0.5	2.50	0.060
PT44-2230-20	22	30						0.050
PT44-2535-20	25	35						0.070
PT44-3042-25	30	42	25	2.0	1.5	0.5	2.50	0.130
PT44-4055-30	40	55	30	3.0	2.0	1.0	3.00	0.255
PT44-2070-30	50	70						0.430

PT45

六角平面支持件 FEET(FLAT END)

- 材質：S45C
- 熱處理：高週波
- 表面：磷酸錳皮膜處理

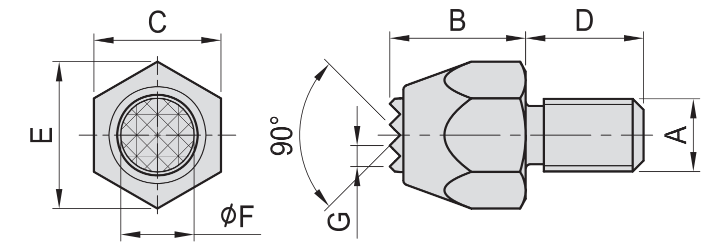


MODEL NO.	A	B	C	D	E	F	kg
PT45-0610	M 6	10	10	11	11.5	8	0.008
PT45-0620	M 6	20	10	11	11.5	8	0.013
PT45-0815	M 8	15	14	13	16.1	10	0.018
PT45-0830	M 8	30	14	13	16.1	10	0.033
PT45-1020	M10	20	17	16	19.6	13	0.044
PT45-1040	M10	40	17	16	19.6	13	0.080
PT45-1225	M12	25	19	20	21.9	15	0.070
PT45-1250	M12	50	19	20	21.9	15	0.126
PT45-1630	M16	30	24	25	27.7	20	0.130
PT45-1660	M16	60	24	25	27.7	20	0.230
PT45-2030	M20	30	30	25	34.6	28	0.200
PT45-2060	M20	60	30	25	34.6	28	0.360

PT46

六角齒面支持件 FEET(SERRATED END)

- 材質：本體 S45C
- 熱處理：本體 HRC 28°~32°
- 表面：磷酸錳皮膜處理
- 用途：配合治具零件的組成，作支持工件之用
- 特長：支持黑皮面之工件，不易滑動



齒盤
- 材質：SKH9
- 熱處理：HRC 60°

MODEL NO.	A	B	C	D	E	F	G	kg
PT46-0610	M6	10	10	11	11.5	6.5	2.3	0.008
PT46-0620		20						0.013
PT46-0815	M8	15	14	13	16.1	8.1	2.3	0.018
PT46-0830		30						0.033
PT46-1020	M10	20	17	16	19.6	11.4	3.0	0.044
PT46-1040		40						0.080
PT46-1225	M12	25	19	20	21.9	13.0	3.0	0.070
PT46-1250		50						0.126
PT46-1630	M16	30	24	25	27.7	16.2	3.0	0.130
PT46-1660		60						0.230
PT46-2030	M20	30	30	25	34.6	25.2	3.0	0.200
PT46-2060		60						0.360

齒盤
- 材質：鎢鋼

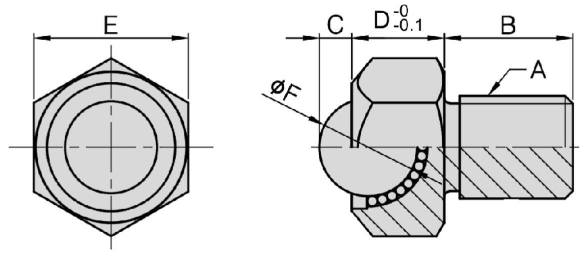
MODEL NO.	A	B	C	D	E	F	G	kg
PT46-0610-K	M6	10	10	11	11.5	6.5	2.3	0.008
PT46-0620-K		20						0.013
PT46-0815-K	M8	15	14	13	16.1	8.1	2.3	0.018
PT46-0830-K		30						0.033
PT46-1020-K	M10	20	17	16	19.6	11.4	3.0	0.044
PT46-1040-K		40						0.080
PT46-1225-K	M12	25	19	20	21.9	13.0	3.0	0.070
PT46-1250-K		50						0.126
PT46-1630-K	M16	30	24	25	27.7	16.2	3.0	0.130
PT46-1660-K		60						0.230
PT46-2030-K	M20	30	30	25	34.6	25.2	3.0	0.200
PT46-2060-K		60						0.360

PT47-49

鋼珠滾輪 BALL ROLLERS

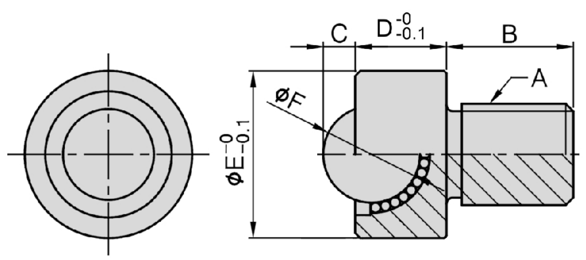
- 材質： SUS304

PT47



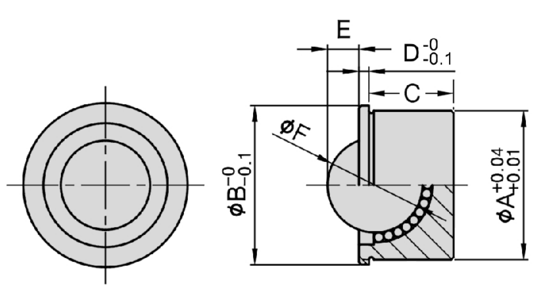
MODEL NO.	A	B	C	D	E	F	N(kgf)
PT47-1615	M16	20	3.3	16	24	15.87	343(35)
PT47-2018	M20	25	5.3	19	30	19.05	412(42)

PT48



MODEL NO.	A	B	C	D	E	F	G	N(kgf)
PT48-1615	M16	20	3.3	16	27	15.87	23	343(35)
PT48-2018	M20	25	5.3	19	33	19.05	29	412(42)

PT49

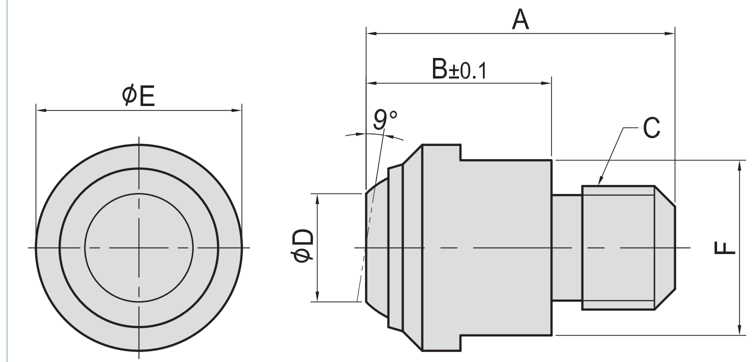


MODEL NO.	A	B	C	D	E	F	N(kgf)
PT49-2614	24	26	14	1.5	5.3	15.87	343(35)
PT49-3217	30	32	17	2	6.3	19.05	412(42)

LEAVE INDUSTRIAL

PT50

平面動向鋼珠定位螺桿 SMOOTH BALL END BOLT



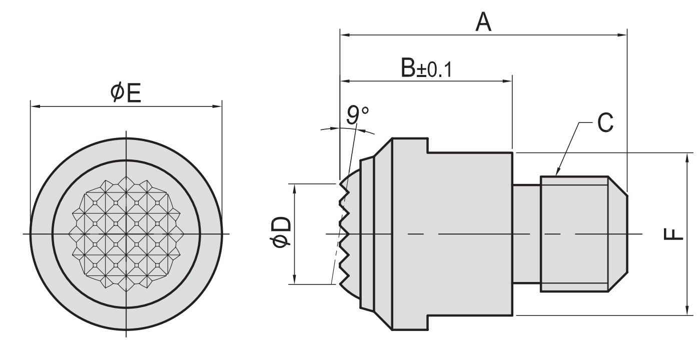
- 材質：本體 S45C, 鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°, 鋼珠 HRC 62°
- 表面：染黑處理
- 用途：適用於支持或挾持工件之斜面上使其不易變形

MODEL NO.	A	B	C	D	E	F	max (KN)	g
PT50-0613	21	13	M6x1.00	7.2	13	11	10	12
PT50-0813	21	13	M8x1.25	7.2	13	11	10	13
PT50-0818	28	18		10.5	20	17	25	38
PT50-1018	28	18	M10x1.50	10.5	20	17	25	40
PT50-1218	30		M12x1.75					
PT50-1627	43	27	M16x2.00	20.0	30	27	90	150
PT50-2035	55	35	M20x2.50	34.5	50	41	165	520

※只適用於當需要最小孔深時

PT51

齒面動向鋼珠定位螺桿 SMOOTH BALL END BOLT



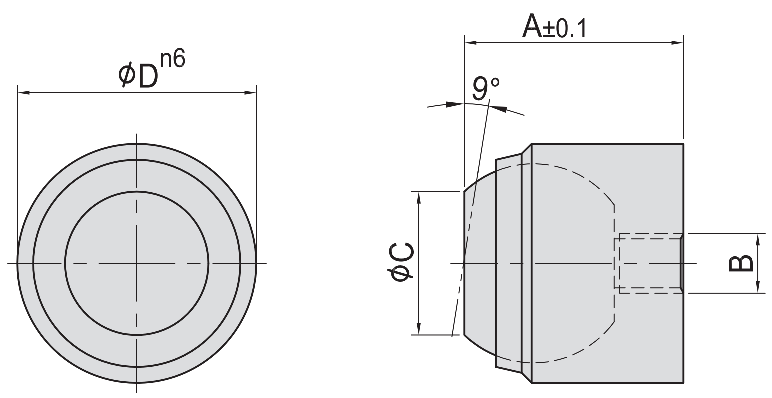
- 材質：本體 S45C, 鋼珠 SUJ2
- 熱處理：本體 HRC 28°~32°, 鋼珠 HRC 62°
- 表面：染黑處理
- 用途：適用於支持或挾持工件之斜面上使其不易變形

MODEL NO.	A	B	C	D	E	F	max (KN)	g
PT51-0613	21	13	M6x1.00	7.2	13	11	10	12
PT51-0813	21	13	M8x1.25	7.2	13	11	10	13
PT51-0818	28	18		10.5	20	17	25	38
PT51-1018	28	18	M10x1.50	10.5	20	17	25	40
PT51-1218	30		M12x1.75					
PT51-1627	43	27	M16x2.00	20.0	30	27	90	150
PT51-2035	55	35	M20x2.50	34.5	50	41	165	520

※只適用於當需要最小孔深時

PT52

平面動向鋼珠支持件
SMOOTH BALL END BOLT



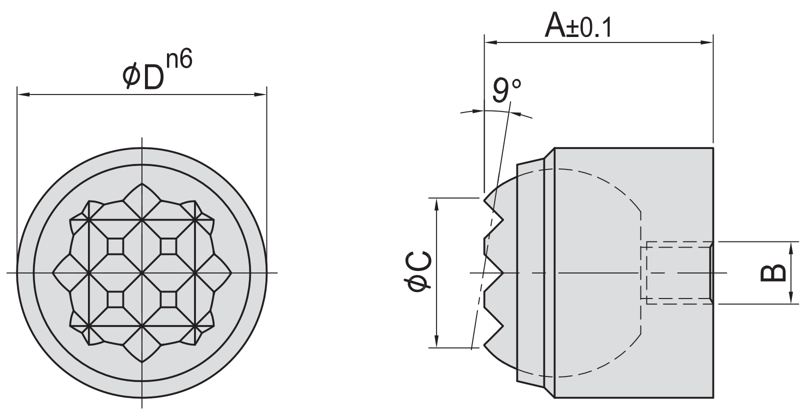
- 材質：本體 S45C， 鋼珠 SUJ2
- 熱處理：本體HRC 28°~32°，鋼珠HRC 62°
- 表面：染黑處理
- 用途：適用於支持或挾持工件之斜面上
  使其不易變形

MODEL NO.	A	B	C	D	max (KN)	g
PT52-0311	11	M3x0.5	7.2	12	10	8
PT52-0417	17	M4x0.7	10.5	18	25	30
PT52-0525	25	M5x0.8	20.0	28	90	80

※只適用於當需要最小孔深時

PT53

齒面動向鋼珠支持件
SMOOTH BALL END BOLT



- 材質：本體 S45C， 鋼珠 SUJ2
- 熱處理：本體HRC 28°~32°，鋼珠HRC 62°
- 表面：染黑處理
- 用途：適用於支持或挾持工件之斜面上
  使其不易變形

MODEL NO.	A	B	C	D	max (KN)	g
PT53-0311	11	M3x0.5	7.2	12	10	8
PT53-0417	17	M4x0.7	10.5	18	25	30
PT53-0525	25	M5x0.8	20.0	28	90	80

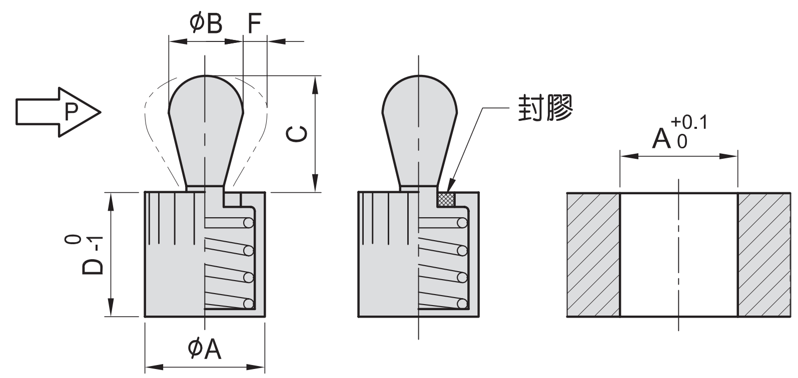
※只適用於當需要最小孔深時

PT55

側向式定位柱(鋼材梢)
SPRING LOCATING PINS

A型
- 本體 材質:鋁
  材質:銀色
- 梢子 材質:S45C
  熱處理: HRC 45°
  表面: 鍍鋅處理
- 彈簧 材質:彈簧鋼

B型
- 本體 材質:鋁
  材質:銀色
- 梢子 材質:S45C
  熱處理: HRC 45°
  表面: 鍍鋅處理
- 彈簧 材質: CR

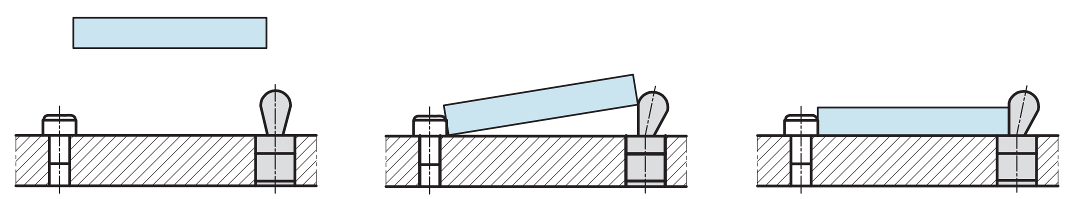


A型
(無封膠)

B型
(有封膠)

Wa.注意
- P(N)是梢子移動的最大力量
- 耐溫範圍塑膠梢MAX250˚C
- 裝置方法請參考P.6-34
- 組立棒請參考P.6-34

•使用例：



測定式定位柱(鋼材梢)

A 型 品 號	A	B	C	D	F	P(N)	組 力 棒	g
PT55A-0603-010	6	3	4.0	7	0.5	10	PT57-0603	0.6
PT55A-0603-020						20		0.6
PT55A-0603-040						40		0.7
PT55A-1005-020	10	5	6.7	11	0.8	20	PT57-1006	2.7
PT55A-1005-050						50		2.8
PT55A-1005-100						100		3.1
PT55A-1006-040		6	10.7	11	1.0	40		3.4
PT55A-1006-075						75		3.6
PT55A-1006-150						150		3.8
PT55A-1208-050	12	8	13.9	13	1.3	50	PT57-1208	6.8
PT55A-1208-100						100		7.4
PT55A-1208-200						200		7.4
PT55A-1610-100	16	10	16.7	17	1.6	100	PT57-1610	15.0
PT55A-1610-200						200		15.0
PT55A-1610-300						300		15.3

B 型 品 號	A	B	C	D	F	P(N)	組 力 棒	g
PT55B-0603-010	6	3	4	7	0.5	10	PT57-0603	0.6
PT55B-0603-020						20		
PT55B-0603-040						40		
PT55B-1005-020	10	5	6	12	0.8	20	PT57-1006	2.7
PT55B-1005-050						50		2.9
PT55B-1005-100						100		3.1
PT55B-1006-040		6	10	12	1.0	40		3.4
PT55B-1006-075						75		3.7
PT55B-1006-150						150		3.8
PT55B-1208-050	12	8	13	14	1.3	50	PT57-1208	7.0
PT55B-1208-100						100		7.3
PT55B-1208-200						200		7.4
PT55B-1610-100	16	10	16	18	1.6	100	PT57-1610	15.0
PT55B-1610-200						200		15.2
PT55B-1610-300						300		15.6

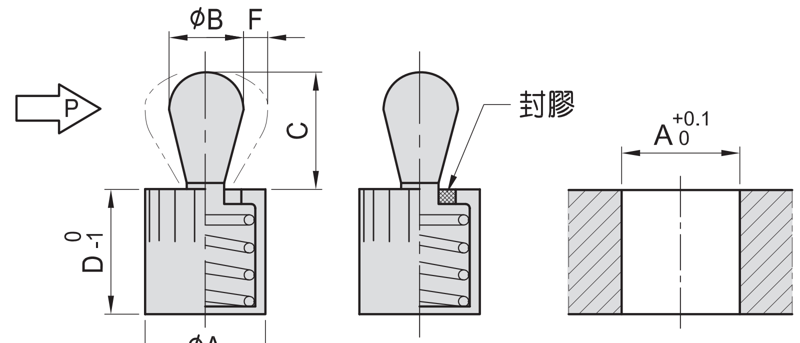
BP
BPA
BC
CP
SU
PT
SVF
ALV
OK-VISE
MITEE-BITE
JER-GENS
其他類
技術資料

PT56

側向式定位柱(塑鋼梢) SPRING LOCATING PINS

A型
- 本體 材質 鋁
  顏色 銀色
- 梢子 材質 POM(塑鋼)
- 彈簧 材質 彈簧鋼

B型
- 本體 材質 鋁
  顏色 銀色
- 梢子 材質 POM(塑鋼)
- 彈簧 材質 彈簧鋼
  膠封 材質 CR



A型
(無封膠)

B型
(有封膠)

Wa.注意
・P(N)是梢子移動的最大力量
・耐溫範圍塑膠梢MAX250 ℃
・裝置方法請參考P. 6-34
・組立棒請參考P. 6-34

A 型 品 號	A	B	C	D	F	P(N)	組 力 棒	g
PT56A-0603-010	6	3	4.0	7	0.5	10	PT57-0603	0.4
PT56A-1005-020	10	5	6.7	11	0.8	20	PT57-1006	1.3
PT56A-1006-040	10	6	10.7	11	1.0	40	PT57-1006	1.5
PT56A-1208-050	12	8	13.9	13	1.3	50	PT57-1208	2.9
PT56A-1610-100	16	10	16.7	17	1.6	100	PT57-1610	6.6

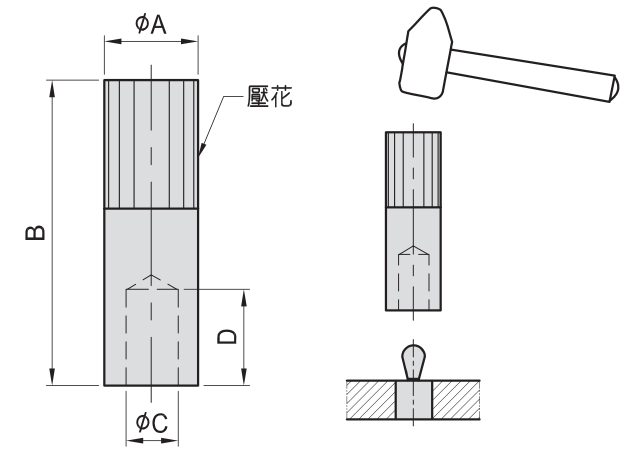
B 型 品 號	A	B	C	D	F	P(N)	組 力 棒	g
PT56A-0603-010	6	3	4	7	0.5	10	PT57-0603	0.4
PT56A-1005-020	10	5	6	12	0.8	20	PT57-1006	1.3
PT56A-1006-040	10	6	10	12	1.0	40	PT57-1006	1.5
PT56A-1208-050	12	8	13	14	1.3	50	PT57-1208	3.0
PT56A-1610-100	16	10	16	18	1.6	100	PT57-1610	6.7

LEAVE INDUSTRIAL

PT57

側向式定位柱組立棒 INSTALLATION TOOLS

- 材質：S45C
- 表面：染黑處理

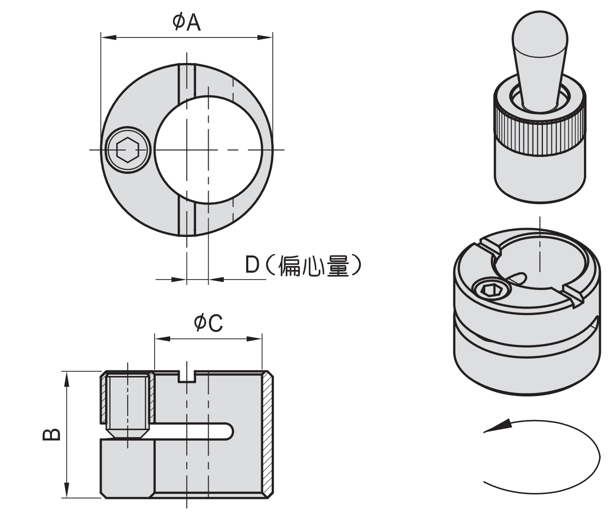


MODEL NO.	A	B	C	D	g
PT57-0603	8	50	3.2	6	19
PT57-1006	12	60	6.2	13	50
PT57-1208	14	60	8.1	16	65
PT57-1610	18	60	10.2	19	106

PT58

偏心塊 ECCENTRIC LINERS

- 材質：S45C
- 表面：染黑處理



MODEL NO.	A	B	C	D	g
PT58-0612	12	9.9	6	2	5.5
PT58-1016	16	11.9	10	2	9.4
PT58-1218	18	13.9	12	2	12.8
PT58-1625	25	17.9	16	3	34.0

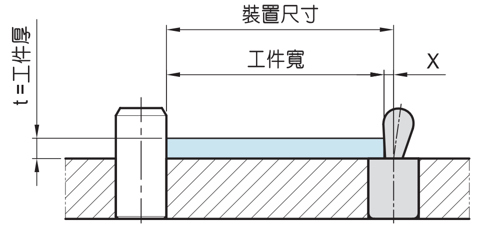
《裝置方式》

■ 裝置位置計算

依使用用途選擇適合的形式、規格，側向式定位柱的裝置位置，依下列計算求之：

裝置尺寸=工作寬＋X

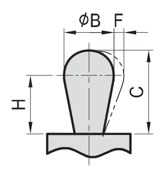
X是從工作寬度邊緣到側向式定位柱裝置孔中心的距離。



〈H 的計算〉

H尺寸依下列計算式求之。

H=C-(B/2)



〈X尺寸一覽表〉

	梢子型式		H	工件厚度 (t)mm						
	鋼材製	塑膠製		1	2	3	4	5	6	8
A型（無膠封）	PT55A-0603-010	PT56A-0603-010	2.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0
	PT55A-0603-020									
	PT55A-0603-040									
	PT55A-1005-020	PT56A-1005-020	4.2	–	1.5	1.7	1.7	1.7	1.7	1.7
	PT55A-1005-050									
	PT55A-1005-100									
	PT55A-1006-040	PT56A-1006-040	7.7	–	–	–			1.9	1.9
	PT55A-1006-075									
	PT55A-1006-150									
	PT55A-1208-050	PT56A-1208-050	9.9	–	–	–	–	–	2.5	2.7
	PT55A-1208-100									
	PT55A-1208-200									
	PT55A-1610-100	PT56A-1610-100	11.7	–	–	–	–	–	–	3.1
	PT55A-1610-200									
	PT55A-1610-300									
B型（有膠封）	PT55B-0603-010	PT56B-0603-010	2.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0
	PT55B-0603-020									
	PT55B-0603-040									
	PT55B-1005-020	PT56B-1005-020	3.5	–	1.5	1.7	1.7	1.7	1.7	1.7
	PT55B-1005-050									
	PT55B-1005-100									
	PT55B-1006-040	PT56B-1006-040	7.0	–	–	–			1.9	1.9
	PT55B-1006-075									
	PT55B-1006-150									
	PT55B-1208-050	PT56B-1208-050	9.0	–	–	–	–	–	2.5	2.7
	PT55B-1208-100									
	PT55B-1208-200									
	PT55B-1610-100	PT56B-1610-100	11.0	–	–	–	–	–	–	3.1
	PT55B-1610-200									
	PT55B-1610-300									

■ X計算

X尺寸必須考慮工件的厚度計算，有下列二種型式計算式。

1)工件厚度＜H時

X=B/2-F-[(C-B/2-t)x0.123]

2)工件厚度＞H時

X=B/2-F

工件較厚比H大時，和工件厚度無關，X值都一樣。下表之X值是各種板厚與各型式規格組配計算而成，供設計參考使用。

■ 裝置方法

側向式定位柱組立時，在本體外部塗上些許黃油再行壓入之。

《計算例1》

資料：側向式定位柱　PT55B-1006-075
鋼材梢（B型）

工作寬　100mm
工作厚　2.3mm

〈H的計算〉

工件厚和H尺寸的比較。
H=C-B/2=10-6/2=7(mm)
因為工件厚度比H小，所以用（1）式求之。

〈X的計算〉

X=B/2-F-[(C-B/2-t)x0.123]
=6/2-1-[(10-6/2-2.3)x0.123]
=3-1-[(4.7)x0.123
=1.4(mm)

〈裝置位置的計算〉

裝置位置=工件寬＋X
=100+1.4
=101.4（mm）

《計算例2》

資料：側向式定位柱　PT56A-1610-100
塑鋼梢（A型）

工件寬　300mm
工件厚　40mm

〈H的計算〉

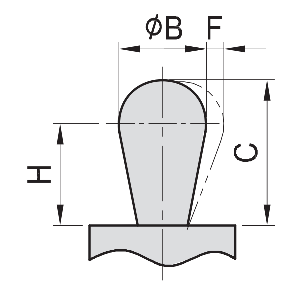
工件厚度和H尺寸的比較。
H=C-B/2=16.7-10/2=11.7(mm)
因為工件厚度比H小，所以用（2）式求之。

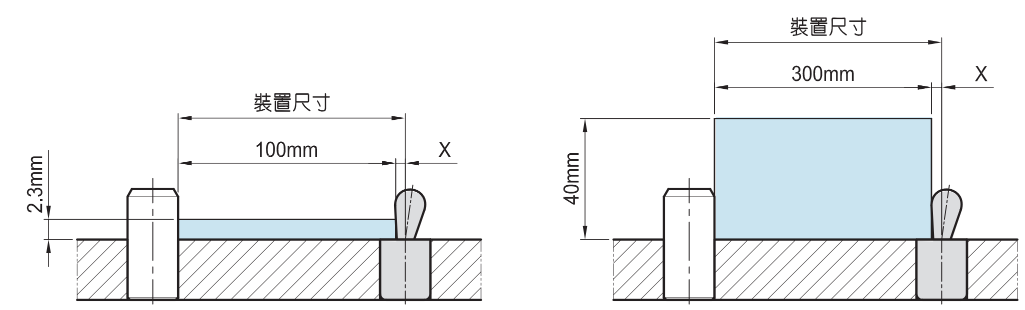
〈X的計算〉

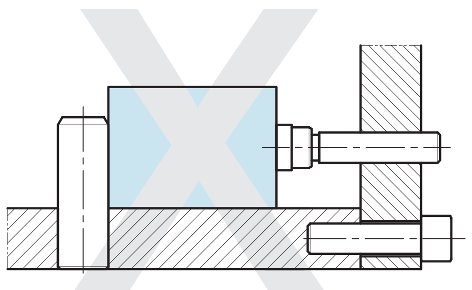
X=B/2-F
=10/2-1.6
=3.4(mm)

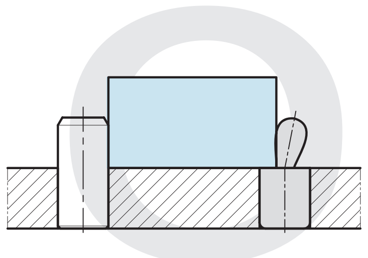
〈裝置位置的計算〉

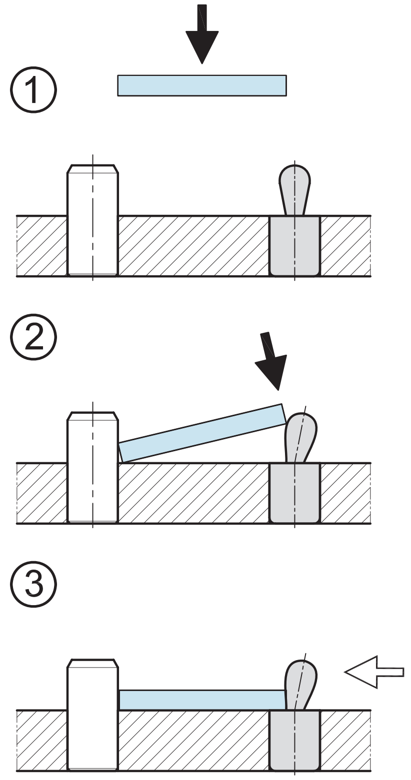
裝置位置=工件寬＋X
=300+3.4
=303.4（mm）





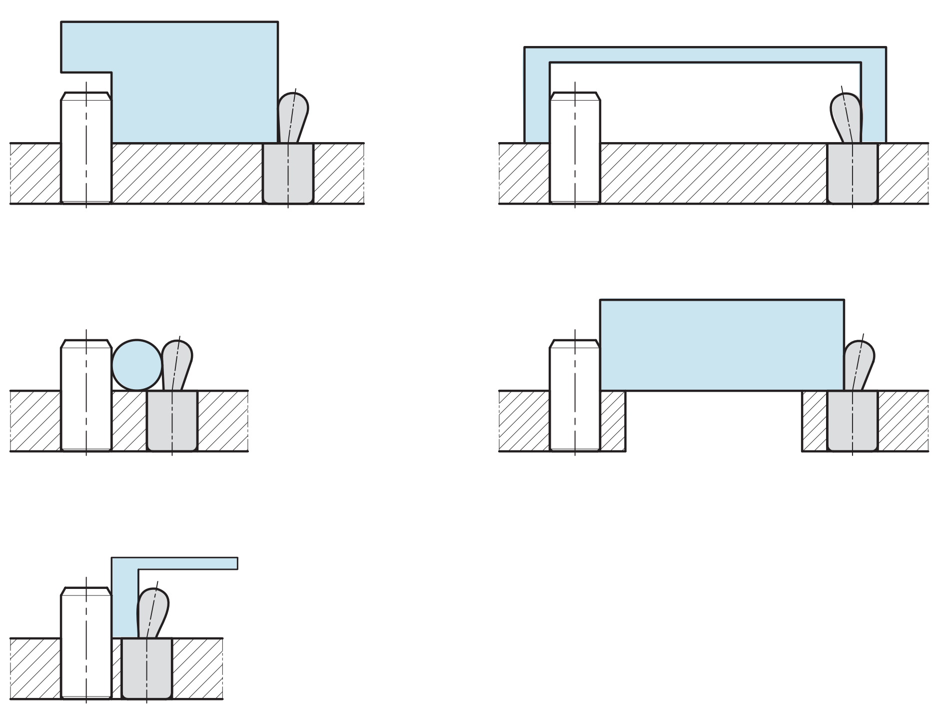






和傳統的固定方法比較，設計簡單可以大幅降低成本。

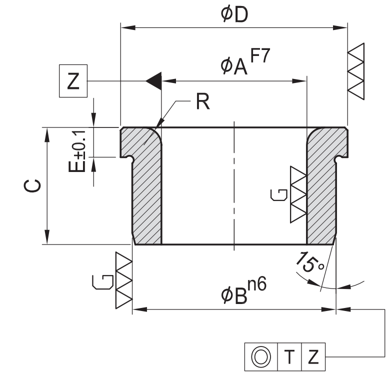
■ 側向式定位柱的使用例：



PT59

肩型襯套 POSITIONING BUSHING

- 材質：SUJ2
- 熱處理：HRC 60°



MODEL NO.	A	B	C	D	E	R	T
PT59-0615-10	6	12	10	15	3	1.5	0.01
PT59-0818-12	8	15	12	18	3	2.0	0.01
PT59-1022-12	10	18		22	4		
PT59-1266-16	12	22	16	26	4	2.0	0.01
PT59-1426-16	14						
PT59-1530-16	15	26	16	30	4	2.0	0.01
PT59-1630-16	16						
PT59-1834-20	18	30	20	34	5	3.0	0.01
PT59-2034-20	20						
PT59-2239-20	22	35	20	39	5	3.0	0.01
PT59-2539-20	25						
PT59-3052-25	30	48	25	52	5	3.0	0.01
PT59-4059-30	40	55	30	59			
PT59-5074-30	50	70	30	74	6	3.5	0.01

BP
BPA
BC
CP
SU
PT
SVF
ALV
OK-VISE
MITEE-BITE
JER-GENS
其他類
技術資料