

Standard / Tapped / Threaded

Hex / Round, Width Across Flats

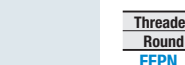
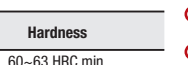
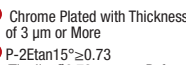
Feed Pins (with Shoulder) – Standard	Standard Round	Material	Surface Treatment	Hardness
	FEPM	O1 Tool Steel or Equivalent	—	Treated Hardness: 60~63 HRC min.
	GFPEM		Hard Chrome Plating	50~55 HRC min.
	SFEPM	304 Stainless Steel	—	—
	HFPEM		Hard Chrome Plating	Plating Hardness 750 HV min.
	CFPEM	440C Stainless Steel or Equivalent	—	50~55 HRC min.

Part Number		P	L	B	E	H
Type	D	0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1 mm Increment	
Round	2	2.00–3.00	2–6	2.0–10.0	0.5–10.0	5
FEPM	3	2.00–5.00	3–6	2.0–10.0		6
GFEPM	4	2.00–5.00	4–8	2.0–10.0		
SFEPM	5	3.00–7.00	5–10	2.0–10.0		8
HFEPM	6	4.00–7.00	6–12	2.0–12.0		
CFEPM	8	5.00–9.00	8–16	2.0–15.0		11
	10	6.00–11.00	10–20	2.0–20.0		13

Feed Pins (with Shoulder) – Tapped  		Tapped Round	Material	Surface Treatment	Hardness	① Chrome Plated with Thickness of 3 µm or More ② P-2Etan15°≥0.73 (Tip dia. Ø0.73 or more Reference: tan15°=0.267)
		FEFG	01 Tool Steel or Equivalent	—	60~63 HRC min.	
		GFEFG		Chrome Plating	50~55 HRC min.	
		SFEFG	304 Stainless Steel	—	—	
		HFEFG		Chrome Plating	Plating Hardness 750 HV min.	

Part Number		P	L	B	E	H	M
Type	D	0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1 mm Increment		(Coarse)
Round	6	4.00–7.00	6–12	2.0–12.0	0.5–10.0	8	M3
FEPG	8	5.00–9.00	8–16	2.0–15.0		11	M4
GFEPG	10	6.00–11.00	10–20	3.0–20.0		13	M5
SFEPG							
HFEPG							

*Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data **P4016** (10.9). Not applicable when using locking adhesives or lock washers.

Feed Pins (with Shoulder) – Threaded			
			
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Part Number		P	L	B	E	H	M
Type	D	0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1 mm Increment		(Coarse)
Round FEPN GFEPN SFEFN HFEFN CFEPN	3	2.00–5.00	0–12	2.0–10.0	0.5–10.0	6	M3
	4	2.00–5.00		2.0–10.0			M4
	5	3.00–7.00		2.0–10.0		8	M5
	6	4.00–7.00		2.0–12.0			M6
	8	5.00–9.00		2.0–15.0		11	M8
	10	6.00–11.00		2.0–20.0		13	M10

*Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data **P.4016** (10.9). Not applicable when using locking adhesives or lock washers.

Part Number	P	L	B	E
FEPM5	P3.50	L5	B6.0	E4.0
SFEPG6	P5.00	L10	B10.0	E2.0
FEPM3	P2.01	L6	B6.0	E2.0

Part Number Alterations Part Number - P - L - B - E - (DRC, DRC, SC)
 FEPN3 - P2.01 - L6 - B6.0 - E2 - DRC

	Screwdriver Slot	Relief	Wrench Flats
Alterations			
Code	DRC	NNC	SC
Spec.	Width 0.8mm Depth 1 mm Ordering Code: DRC ⓘ Applicable to Threaded Type only	Adds a relief at the thread end. Ordering Code: NNC ⓘ Applicable when L=0. ⓘ Applicable to Threaded Type only	SC=1 mm Increment SC>D SC>P Ordering Code: SC10

Material		Surface Treatment	Hardness	Type		
				B, F Fixed	B Fixed and F Configurable	B Selectable and F Fixed
4137 Alloy Steel	—	—	Treated Hardness: 46~50 HRC min.	JPR4	JPR4M	JPR4A
	—	Black Oxide	Treated Hardness: 46~50 HRC min.	BJPR4	BJPR4M	BJPR4A
	—	Hard Chrome Plating Plating Thickness: 3 μm or more	Treated Hardness: 46~50 HRC min. Plating Hardness: 750 HV min.	HJPR4	HJPR4M	HJPR4A
304 Stainless Steel	—	—	—	SJPR4	SJPR4M	SJPR4A
440C Stainless Steel or Equivalent	—	—	Treated Hardness: 50~55 HRC min.	CJPR4	CJPR4M	CJPR4A

Part Number			L	B			F			
Type		M (Coarse)		Standard	Selection		Standard	1 mm Increment		
B, F Fixed JPRA BJPRA HJPRA SJPRA CJPRA	B Fixed and F Configurable JPRAM BJPRAM HJPRAM SJPRAM CJPRAM	B Selectable and F Fixed JPRFA BJPRFA HJPRFA SJPRFA CJPRFA	3	6	5		5	3–36 (M≤F≤Mx3)		
			4	7	6		6			
			5	8	7					
			6	10	8		8			
			8	13	10	12	10			
			10	17	12	13	14		12	
			12	19	14	17			15	

*Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data **P.4016** (10.9). Not applicable when using locking adhesives or lock washers.

Height Adjusting Pins (Threaded) – Round, Width Across Flats		Material		Surface Treatment	Hardness	Type	Ordering Code and Shape Code	
							F Fixed	F Configurable
		O1 Tool Steel or Equivalent		—	Treated Hardness: 60~63 HRC min.	JPH	AF Round	AFM Round
				Black Oxide	Treated Hardness: 60~63 HRC min.	BJPH		
				Hard Chrome Plating Plating Thickness: 3 μm or more	Treated Hardness: 60~63 HRC min. Plating Hardness: 750 HV min.	HJPH		
		304 Stainless Steel	—	—	—	SJPH		
		440C Stainless Steel or Equivalent	—	—	Treated Hardness: 50~55 HRC min.	CJPH	AW Wrench Flats	AWM Wrench Flats
		SCM415 Alloy Steel (JIS)	—	—	Carburized Treated Hardness: 55 HRC min. (Depth 0.7~0.8)	TJPH		

ⓘ Some combinations are not available.

*Under-head of F Configurable Type is R0.5 or less.
Take note of chamfering on the tapped hole.

Round

Width Across Flats

R0.5 or less

Part Number			L	D	W	F	
Type	Shape Code	M (Coarse)	0.01 mm Increment	1 mm Increment	Specified in 1 mm Increment	Standard	1 mm Increment
JPH BJPH HJPH SJPH CJPH TJPH	Round AF (F Fixed) AFM (F Configurable)	3	2.00–10.00	5–30 (M<D<Mx5)	4–13	5	3–36 (M≤F≤Mx3)
		4			5–18	6	
		5			6–23	8	
	Wrench Flats AW (F Fixed) AWM (F Configurable)	6	5.00–30.00		7–28	10	
		8			9–29	12	
		10			11–29	15	
		12			13–29		
			10.00–50.00				

❗ M<W<D ❗ TJPHAF Part Type unavailable