


# Feed Pins (with Shoulder)

Standard / Tapped / Threaded

**Feed Pins (with Shoulder) – Standard**



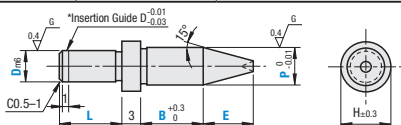
RoHS 10

Standard Round	Material	Surface Treatment	Hardness
FPEM	O1 Tool Steel or Equivalent	—	Treated Hardness: 60–63 HRC min.
GFPEM		Hard Chrome Plating	50–55 HRC min. Plating Hardness :750 HV min.
SFEPM	304 Stainless Steel	—	—
HFEPM		Hard Chrome Plating	Plating Hardness 750 HV min.
CFPEM	440C or 420 Stainless Steel	—	50–55 HRC min.

① P-2Etan15°≥0.73  
(Tip dia. Ø0.73 or more.  
Reference: tan15°=0.267)


6.3/(0.4)<sup>G</sup>

\*No Insertion Guide for D2 Press Fit.



Type	Part Number	D	P				H
			0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1 mm Increment	
Round	2	2	2.00–3.00	2–6	2.0–10.0	5	
FPEM	3	3	2.00–5.00	3–6	2.0–10.0	6	
GFPEM	4	4	2.00–5.00	4–8	2.0–10.0	8	
SFEPM	5	5	3.00–7.00	5–10	2.0–10.0	11	
HFEPM	6	6	4.00–7.00	6–12	2.0–12.0	13	
CFPEM	8	8	5.00–9.00	8–16	2.0–15.0	—	
	10	10	6.00–11.00	10–20	2.0–20.0	—	

**Feed Pins (with Shoulder) – Tapped**

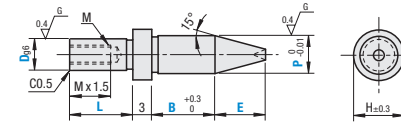


RoHS 10

Tapped Round	Material	Surface Treatment	Hardness
FEPG	O1 Tool Steel or Equivalent	—	60–63 HRC min.
GFEPG		Chrome Plating	50–55 HRC min. Plating Hardness :750 HV min.
SFEPG	304 Stainless Steel	—	—
HFEPG		Chrome Plating	Plating Hardness 750 HV min.

① P-2Etan15°≥0.73  
(Tip dia. Ø0.73 or more Reference: tan15°=0.267)


3/(0.4)<sup>G</sup>



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

① Note the strength of under-head part. P.1542 ② Please confirm pilot hole depth on P.1542. Holes may go through.  
\*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015). Not applicable when using locking agents or spring washers.

**Feed Pins (with Shoulder) – Threaded**



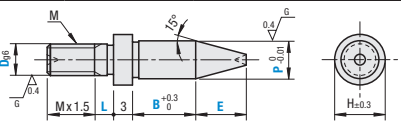
RoHS 10

Threaded Round	Material	Surface Treatment	Hardness
FEPN	O1 Tool Steel or Equivalent	—	60–63 HRC min.
GFEPN		Chrome Plating	50–55 HRC min. Plating Hardness :750 HV min.
SFEPN	304 Stainless Steel	—	—
HFEPN		Chrome Plating	Plating Hardness 750 HV min.
CFEPN	440C or 420 Stainless Steel	—	50–55 HRC min.

① P-2Etan15°≥0.73  
(Tip dia. Ø0.73 or more Reference: tan15°=0.267)

② When 0≤L<Pitch x 2, the incomplete threaded portion of Threaded is included in M x 1.5.

6.3/(0.4)<sup>G</sup>



Type	Part Number	D	P				H	M (Coarse)
			0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1 mm Increment		
Round	3	3	2.00–5.00	0–12	2.0–10.0	0.5–10.0	M3	
FEPN	4	4	2.00–5.00		2.0–10.0		M4	
GFEPN	5	5	3.00–7.00		2.0–10.0		M5	
SFEPN	6	6	4.00–7.00		2.0–12.0		M6	
HFEPN	8	8	5.00–9.00		2.0–15.0		M8	
CFEPN	10	10	6.00–11.00	2.0–20.0	M10			

\*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015). Not applicable when using locking agents or spring washers.  
① For full thread, specify a L dimension of 0 and NNC alteration.

**Part Number Example**

Part Number	P	L	B	E
FPM5	- P3.50	- L5	- B6.0	- E4.0
SFEPG6	- P5.00	- L10	- B10.0	- E2.0
FEPN3	- P2.01	- L6	- B6.0	- E2.0

**Part Number Alterations**

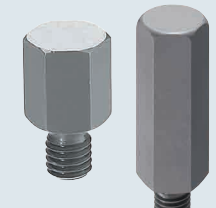
Part Number	P	L	B	E	(DRC, DRC, SC)
FEPN3	- P2.01	- L6	- B6.0	- E2	- DRC

Alterations	Screwdriver Slot	Relief	Wrench Flats
	Code	DRC	NNC
Spec.	Width 0.8mm Depth 1mm Ordering Code: DRC ① Applicable to Threaded Type only	Adds a relief at the thread end. Ordering Code: NNC ① Applicable when L=0. ② Applicable to Threaded Type only	SC=1 mm Increment SC>D SC>P Ordering Code: SC10

# Height Adjusting Pins (Threaded)

Hex / Round, Width Across Flats

**Height Adjusting Pins (Threaded) – Hex**



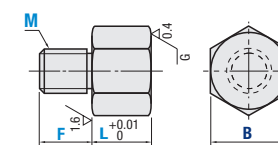
RoHS 10

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.	JPra	JPRAM	JPRFA
	Black Oxide	Treated Hardness: 46–50 HRC min.	BJPra	BJPRAM	BJPRFA
	Hard Chrome Plating	Treated Hardness: 46–50 HRC min. Plating Hardness: 750 HV min.	HJPra	HJPRAM	HJPRFA
304 Stainless Steel	—	—	SJPra	SJPRAM	SJPRFA
440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	CJPra	CJPRAM	CJPRFA

① 304 Stainless Steel may not be polished.

6.3/(1.6/0.4)<sup>G</sup>


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



Type	Part Number	M (Coarse)	L (0.01 mm Increment)	B		F (1 mm Increment)
				Standard	Selection	
B, F Fixed	JPra	3	2.00–10.00	6	5	3–36 (M≤F≤Mx3)
	BJPra	4		7	6	
	HJPra	5		8	7	
	SJPra	6		10	8	
	CJPra	8		13	10	
B Selectable and F Fixed	JPRFA	10	5.00–30.00	17	12	13
	BJPRFA	12		14	14	
	HJPRFA	19		17	15	

\*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015). Not applicable when using locking agents or spring washers.

**Height Adjusting Pins (Threaded) – Round, Width Across Flats**

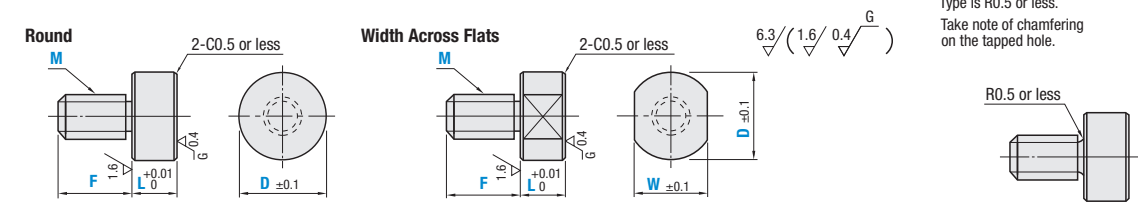


RoHS 10

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	Treated Hardness: 60–63 HRC min. Plating Hardness: 750 HV min.	HJPH		
304 Stainless Steel	—	—	SJPH	AW Wrench Flats	AWM Wrench Flats
440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	CJPH		
SCM415 Alloy Steel (JIS)	—	Carburized Treated Hardness: 55 HRC min. (Depth 0.7–0.8)	TJPH		

① Some combinations are not available.  
② 304 Stainless Steel may not be polished.

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



Type	Part Number	Shape Code	M (Coarse)	L (0.01 mm Increment)	D (1 mm Increment)	W		F (1 mm Increment)
						Specified in 1 mm Increment	Standard	
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)
						5–18	6	
						6–23	8	
						7–28	10	
						8–33	12	
Wrench Flats	AW (F Fixed) AWM (F Configurable)	8	10	10.00–50.00	13–29	10		
						11–29	12	
						12–29	15	

① M<W<D ② TJPHAF Part Type unavailable