

Standard Spur Gear ▶ Module 1.0

Pressure Angle 20°



Please order according to the diagram

①~⑥ Select the type and parameters in the order of for ordering

Model(①Code) - ②Module

③Number Teeth

④B

⑤Gear Shape

⑥ Inner Bore Diameter P₁₇

Screw Locking Type / Keyway Hole Type

Optional Processing

HC90 HC120 MC()



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/set)

EA FDP

1.0

21

B12

B

P8

MC4



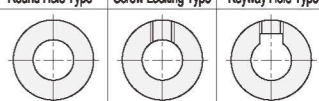
CAD 2D/3D

Non-hardened Gear Accuracy: JIS B 1702-1 Grade 8
Hardened Gear Accuracy: JIS B 1702-1 Grade 9

Code	Type	Material		Tooth Surface Hardness	Surface Treatment
		National Standard	Equivalent		
EA FDP	Round Hole Type	45	S45C	HRC40~45	Black Oxide Finish
EA FDO					
EA FDQ					
EA FDR					
EA FEP	Screw Locking Type	45	S45C	HRC40~45	Black Oxide Finish
EA FEQ					
EA FER					
EA FFR					
EA FFO	Keyway Hole Type	45	S45C	HRC40~45	Black Oxide Finish
EA FFQ					
EA FFQ					
EA FFR					

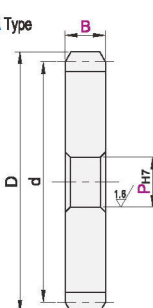
Selection of Inner Hole P Shape

Round Hole Type Screw Locking Type Keyway Hole Type

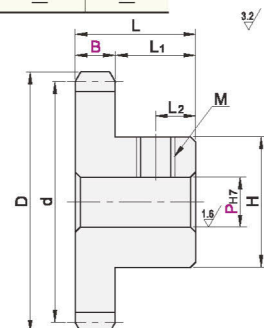


- ① Screw Locking Type Only Applies to Type B.
- ② When selecting Type A for the keyed hole type, there are no threaded holes or set screws.
- ③ Detailed dimensions of the keyed hole can be found in the product introduction.

Gear Shape A Type



B Type



3.2/

Model	Number Teeth	B	Gear Shape	Inner Bore Diameter P ₁₇ Minimum Unit 1		d	D	H	L	L ₁	L ₂	M
				Round Hole Type	Keyway Hole Type							
Round Hole Type EA FDP EA FDO EA FDQ EA FDR	20	10		6~10	8N	20	22	16		10 (B=10吋)	4	M4
	21					21	23	18				
	22					22	24					
	23			6~12	8N 10N	23	25					
	24	12				24	26	20		8 (B=12吋)		
	25					25	27					
	26			6~15	8N~12N	26	28	22				
	27					27	29	24				
	28			8~17	10N~12N	28	30					
	29			6~17	8N~15N	29	31	26				
	30			8~17		30	32	27				
	32			8~18	10N~15N	32	34	28				
	34					34	36					
	35					35	37					
	36					36	38					
Screw Locking Type EA FEP EA FEQ EA FER EA FFR	38					38	40					
	40			8~20	10N~17N	40	42	30				
	42					42	44					
	44					44	46					
	45					45	47					
	46			8~30	10N~27N	46	48	44				
	48					48	50					
	50					50	52					
	52			8~32	10N~28N	52	54	46				
	54					54	56					
	55					55	57					
	56					56	58					
	58					58	60			10	5	M5
	60					60	62					
	62					62	64					
	64					64	66					
Keyway Hole Type EA FFP EA FFO EA FFQ EA FFR	65			10~35	12N~31N	65	67	50				
	66					66	68					
	68					68	70					
	70					70	72					
	72			10~39	12N~35N	72	74	56				
	75					75	77					
	80					80	82					
	84					84	86					
	85					85	87					
	90			10~42	15N~38N	90	92	60				
	95					95	97					
	96					96	98					
	100					100	102					
	110			17~49	17N~45N	110	112	70				
	120					120	122					

Optional Processing

Code	Technical Specification
HC90	Adding Setscrew Hole at 90° Position Selection Method HC90 ① Additional setscrew hole processing at a 90° position relative to the original setscrew hole. ② Type A is not applicable.
	Adding Setscrew Hole at 120° Position Selection Method HC120 ① Additional setscrew hole processing at a 120° position relative to the original setscrew hole. ② Type A is not applicable.
MC()	Changing the Size of Threaded Hole Selection Method MC4 Screw Hole Designation Table Number Teeth MC 20~29 M3 M5 30~120 M4 M6 ① Type A is not applicable.