Order guide

C (Major category) CL (Category) F (Series) - C2 (1 Body Material) - W (2 Surface Treatment) - C (3 Shaft Fixing Method) - F (4 Tooth Surface Hardness) - 2.0 (5 Module)

◉Please refer to the series code to select the type and parameters for ordering.

Order guide

C (Major category) CL (Category) F (Series) - 12 (6 Number of Teeth) - B20 (7 Face Width) - B (8 Gear Shape) - P8 (9 Inner Diameter) - AC90 (10 Optional Machining)

◉Please refer to the series code to select the type and parameters for ordering.

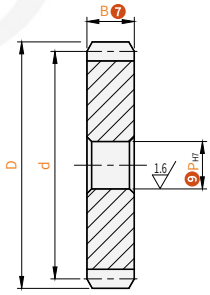
Code	Shaft Fixing Method ❸	Body Material ❶	Tooth Surface Hardness ❹	Surface Treatment ❷
CCLF-C2W-CF	Round Hole Type	S45C	—	—
CCLF-C2E1-CF				Blackened
CCLF-C2N1-CF				Electroless Nickel Plating
CCLF-C2E1-CJ			HRC40~45	Blackened
CCLF-S1W-CF		SUS304	—	—
CCLF-C2W-DF	Screw Locking Type	S45C		—
CCLF-C2E1-DF			—	Blackened
CCLF-C2N1-DF				Electroless Nickel Plating
CCLF-C2E1-DJ			HRC40~45	Blackened
CCLF-S1W-DF		SUS304	—	—
CCLF-C2W-EF	Keyway Hole Type	S45C		—
CCLF-C2E1-EF			—	Blackened
CCLF-C2N1-EF				Electroless Nickel Plating
CCLF-C2E1-EJ			HRC40~45	Blackened
CCLF-S1W-EF		SUS304	—	—

P-Shaped Inner Hole Selection

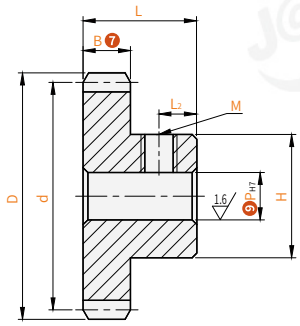
Round Hole Type	Screw Locking Type	Keyway Hole Type

◉Screw Locking Type Applicable to B-Type Only.
◉When the keyway hole type is selected as A-Type, neither a screw hole nor a setscrew shall be provided.

Gear Shape
A-Type

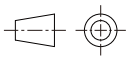


Gear Shape
B-Type



3.2
Remaining

- Unhardened gear accuracy: JIS B 1702-1 Class 8
- Hardened gear accuracy: JIS B 1702-1 Class 9

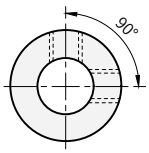
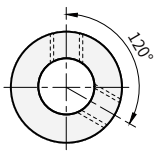


Visual standards:
first perspective

Model		Number of Teeth 6	B 7	Gear Shape 8	Inner Diameter PH7 Min. Unit 1 9		
Code	Module 5				Round Hole	Screw Locking	Keyway Hole
Round Hole Type CCLF-C2W-CF CCLF-C2E1-CF CCLF-C2N1-CF CCLF-C2E1-CJ CCLF-S1W-CF Screw Locking Type CCLF-C2W-DF CCLF-C2E1-DF CCLF-C2N1-DF CCLF-C2E1-DJ CCLF-S1W-DF Keyway Hole Type CCLF-C2W-EF CCLF-C2E1-EF CCLF-C2N1-EF CCLF-C2E1-EJ CCLF-S1W-EF	2.0	12	20	A-Type B-Type	8		
		13			8~11		8N
		14					
		15			8~15		8N~12N
		16			8~16		
		17			8~19		8N~14N
		18			8~21		8N~16N
		19					8N~17N
		20			8~23		8N~18N
		21					8N~19N
		22			8~25		8N~21N
		23					8N~22N
		24			8~28		8N~23N
		25					
		26			8~29		8N~25N
		27			8~31		8N~28N
		28					
		29			8~32		8N~29N
		30			8~33		8N~30N
		32			8~35		8N~31N
		34			10~35		10N~31N
		35			10~36		10N~33N
		36			10~38		10N~35N
		38					
		40					
		42			10~42		10N~38N
		44					
		45					
		46					
		48			10~43		10N~40N
		50					
		52					
		54					
		55			12~45		12N~42N
		56					
		58					
		60					
		62					
		64					
		65			15~45		15N~42N
		68					
		70					
		72					
		75			20~45		20N~42N
		80					
		85					
		90			20~49		20N~45N
		95					
		100					

Model		d	D	H	L	L_2	M
Code	Module 5						
Round Hole Type CCLF-C2W-CF CCLF-C2E1-CF CCLF-C2N1-CF CCLF-C2E1-CJ CCLF-S1W-CF Screw Locking Type CCLF-C2W-DF CCLF-C2E1-DF CCLF-C2N1-DF CCLF-C2E1-DJ CCLF-S1W-DF Keyway Hole Type CCLF-C2W-EF CCLF-C2E1-EF CCLF-C2N1-EF CCLF-C2E1-EJ CCLF-S1W-EF	2.0	24	28	18			
		26	30	20	30	5	
		28	32				
		30	34	24			
		32	36	25			
		34	38	28			
		36	40	30			M5
		38	42	31			
		40	44	33			
		42	46	34			
		44	48	36			
		46	50	37			
		48	52	40			
		50	54				
		52	56	42			
		54	58	45			
		56	60				
		58	62	47			
		60	64	48			
		64	68	50			
		68	72				
		70	74	52			
		72	76	55			
		76	80				
		80	84				
		84	88		34	7	
		88	92	60			
		90	94				
		92	96				
		96	100	62			
		100	104				M6
		104	108				
		108	112				
		110	114				
		112	116				
		116	120				
		120	124				
		124	128	65			
		128	132				
		130	134				
		136	140				
		140	144				
		144	148				
		150	154				
		160	164				
		170	174				
		180	184	70			
		190	194				
		200	204				

Optional Machining

Code ⑩	Optional Illustration	Selection Method
AC90	Add a setscrew hole at the 90° position 	AC90 • Machine an additional setscrew hole at 90° to the original setscrew hole. • Type A is not applicable.
AC120	Add a setscrew hole at the 120° position 	AC120 • Machine an additional setscrew hole at 120° to the original setscrew hole. • Type A is not applicable.
SC()	Change the screw hole size	SC4 ◉ Threaded Hole Specification Table Number of Teeth: SC 15~24: M4 M6 25~60: M5 M8 • Type A is not applicable.