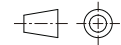
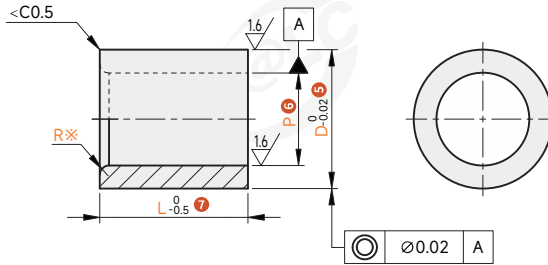


**F** **TC** **W** - **M3** - **W** - **R60** - **X1** - **D10** - **P2** - **L10** - **DF**  
 Major category | Series | 2 ST | 4 Size selection | 6 Diameter | 8 Optional processing  
 Order guide | Category | 1 Material | 3 Hardness | 5 Diameter | 7 Length  
 Please refer to the series code to select the type and parameters for ordering. L and LC cannot be selected at the same time.

Code	Size selection 4	Type	Tolerance class	Material 1	ST 2	Hardness 3	
FTCW-M3W-R60X1	P.L size selection	Press-in type	P <sub>H7</sub>	SKS93	—	50~60HRC	
FTCW-M3W-W1X2	P.L size specified					Electroless nickel plating	50~60HRC
FTCW-M3W-R60X2							—
FTCW-M3N1-R60X2							—
FTCW-S1W-W1X2							SUS304
FTCW-S6W-R60X2							SUS440C



P	H7
2.00-3.00	+0.010 0
3.01-6.00	+0.012 0
6.01-10.00	+0.015 0
10.01-18.00	+0.018 0
18.01-30.00	+0.021 0
30.01-32.00	+0.025 0



Perspective standard: first perspective

○ P.L size selection type

Code	Model		P 6	L 7	R	
	D 5					
FTCW-M3W-R60X1	10	4	10	15	1.0	
		5				
	12	6	15	20	0.5	
		8				
	16	8	15	20	2.0	
		10				
			12	15	20	0.5

○ P.L size specified type

Code	Model		P 6	L 7	R
	D 5				
FTCW-M3W-W1X2 FTCW-M3W-R60X2 FTCW-M3N1-R60X2 FTCW-S1W-W1X2 FTCW-S6W-R60X2	8	2.00-6.00	1.0	5-40	2.0
	10	2.00-8.00			
	12	4.00-10.00	P<5 L<P×4 P≥5 L<P×3	2.0	
	16	8.00-14.00			
	20	10.00-18.00	25.00-27.00	0.5	
	25	15.00-23.00			
	30	20.00-27.00			
		35	25.00-32.00		

○ Wall thickness of 2mm or less (D-P)/2 ≤ 2, R is 0.5.

○ Optional processing

Code 3	LC	DF	DE	RC	RR
Optional icons	Change of L dimension tolerance 	Adding grooves for bonding 	Add anti-shedding slot 	Increase the C chamfer of the inner diameter R 	Increase inner diameter R clearance angle 
Selection method	<b>LC</b> ● Change the L dimension tolerance to $\pm 0.05$ ● Cannot be used in conjunction with optional processing RC and RR.	<b>DF</b> ● D ≥ P+3: Applicable when the wall thickness of bushing >1.5. ● L ≥ 10 when applicable.	<b>DE</b> ● D ≥ P+3: Applicable when the wall thickness of bushing >1.5. ● L ≥ 15 when applicable.	<b>RC</b> ● C chamfering of R (less than 0.5).	<b>RR</b> ● Processing R for clear corners. ● There may be burr edges. ● It cannot be shared with optional processing LC.

Bushings for Fixture & Positioning Pin