

Resin Rods

Standard, Configurable Outer Diameter

Fourteen types of exterior surface finished engineered plastics are added to our lineup. Outer diameter is configurable in 1 mm increments.

Selectable / Large Dia.	Outer Dia. Configurable	Material	Grade	Color
RDJJ	FRDJJ	Polyacetal	Standard	White
RDJK	—		Standard	Black
RDJM	FRDJM		Standard	Blue
RDJW	—	MC Nylon	Standard	Ivory
RDJG	—		Conductive CDR2	Black
RDJT	—		Conductive CDR2	Black
RDJB	—	Bakelite	Paper Base	Natural Color
RDJN	—		Cloth Base	Natural Color
RDJF	—	Fluororesin	Standard	White
RDJP	—	PEEK	Standard	Gray
RDJS	—	PPS	Standard	Brown
RDJX	—	ABS	Standard	Beige
RDJE	—	Epoxy Glass	Standard	Green
RDJU	—	Ultra High-Molecular-Weight Polyethylene	Standard	Milky White

Ⓢ For Characteristic Values, refer to P.3067-3068.
 Ⓢ For Large Diameter Type (D60-200), refer to P.2507
 Ⓢ Use alteration LKC for L dimension tolerance precision.

Standard

Part Number	D	L
Type		1 mm Increment
RDJJ (Polyacetal, Standard, White)	3	10-250
RDJK (Polyacetal, Standard, Black)	4	
RDJM (MC Nylon, Standard, Blue)	5	
RDJW (MC Nylon, Standard, Ivory)	6	10-500
RDJG (MC Nylon, Conductive CDR2)	8	
RDJT (MC Nylon, Conductive CDR6)	10	
RDJB (Bakelite, Paper Base)	12	10-999
RDJN (Bakelite, Cloth Base)	13	
RDJF (Fluororesin, Standard)	15	
RDJP (PEEK, Standard)	16	10-999
RDJE (Epoxy Glass, Standard)	18	
RDJU (PPS, Standard)	20	
*RDJS (PPS, Standard)	25	20-999
RDJX (ABS, Standard)	30	
RDJJ (Polyacetal, Standard, White)	40	
RDJM (MC Nylon, Standard, Blue)	50	
RDJF (Fluororesin, Standard)		

- Ⓢ * RDJS only available in 18, 20, 25, or 30.
- Ⓢ RDJS (PPS) generates an oxide film on the surface. The color turns brown when exposed to light and heat (direct sunlight, fluorescent light, mercury lamp and high-temperature atmosphere) for extended duration, however its mechanical and physical properties change little.
- Ⓢ For D60-D200, refer to P.2503

Part Number Alterations

Part Number	-	L	-	(LKC / MC / WMC / MH / WMH)
RDJJ20	-	535	-	MC8

- Ⓢ L Dimension Tolerance after alterations: ±0.3 for 400 mm or less; ±0.8 for greater than 400-800 mm.
- Ⓢ No alteration is applicable to RDJB, RDJN, RDJF and RDJE.
- Ⓢ Express T service is not available.

Alterations	L Dimension Tolerance	One End Tapped	Both Ends Tapped	One End Tapped with a Thread Insert	Both Ends Tapped with a Thread Insert																																																								
Code	LKC	MC	WMC	MH	WMH																																																								
Spec.	Changes L dimension tolerance as follows: 10-400 mm ±0.3 401-800 mm ±0.8 Ordering Code: LKC Ⓢ 8≤D≤30	Adds a tap on one end. Ordering Code: MC10 Ⓢ 8≤D≤50 When L-MCx2, the tap goes through. <table border="1"> <tr><th>D</th><th>MC (Selection Range)</th></tr> <tr><td>8, 9</td><td>4</td></tr> <tr><td>10, 11</td><td>4, 5</td></tr> <tr><td>12-14</td><td>4, 5, 6</td></tr> <tr><td>15-19</td><td>4, 5, 6, 8</td></tr> <tr><td>20-24</td><td>4, 5, 6, 8, 10, 12</td></tr> <tr><td>25-30, 40, 50</td><td>4, 5, 6, 8, 10, 12, 16</td></tr> </table> Ⓢ When L-MCx4, the pilot hole for tapping may go through.	D	MC (Selection Range)	8, 9	4	10, 11	4, 5	12-14	4, 5, 6	15-19	4, 5, 6, 8	20-24	4, 5, 6, 8, 10, 12	25-30, 40, 50	4, 5, 6, 8, 10, 12, 16	Adds taps on both ends. Ordering Code: WMC12 Ⓢ 8≤D≤50 When L-WMCx4, the tap goes through. <table border="1"> <tr><th>D</th><th>WMC (Selection Range)</th></tr> <tr><td>8, 9</td><td>4</td></tr> <tr><td>10, 11</td><td>4, 5</td></tr> <tr><td>12-14</td><td>4, 5, 6</td></tr> <tr><td>15-19</td><td>4, 5, 6, 8</td></tr> <tr><td>20-24</td><td>4, 5, 6, 8, 10, 12</td></tr> <tr><td>25-30, 40, 50</td><td>4, 5, 6, 8, 10, 12, 16</td></tr> </table>	D	WMC (Selection Range)	8, 9	4	10, 11	4, 5	12-14	4, 5, 6	15-19	4, 5, 6, 8	20-24	4, 5, 6, 8, 10, 12	25-30, 40, 50	4, 5, 6, 8, 10, 12, 16	Adds a tap on one end. Ordering Code: MH12 Ⓢ 8≤D≤50 When L-MHx2, the tap goes through. <table border="1"> <tr><th>D</th><th>MH (Selection Range)</th></tr> <tr><td>8, 9</td><td>4</td></tr> <tr><td>10, 11</td><td>4, 5</td></tr> <tr><td>12-14</td><td>4, 5, 6</td></tr> <tr><td>15-19</td><td>4, 5, 6, 8</td></tr> <tr><td>20-24</td><td>4, 5, 6, 8, 10, 12</td></tr> <tr><td>25-30, 40, 50</td><td>4, 5, 6, 8, 10, 12, 16</td></tr> </table>	D	MH (Selection Range)	8, 9	4	10, 11	4, 5	12-14	4, 5, 6	15-19	4, 5, 6, 8	20-24	4, 5, 6, 8, 10, 12	25-30, 40, 50	4, 5, 6, 8, 10, 12, 16	Adds taps on both ends (with thread inserts). Ordering Code: WMH10 Ⓢ 8≤D≤50 When L-WMHx4, the tap goes through. <table border="1"> <tr><th>D</th><th>WMH (Selection Range)</th></tr> <tr><td>8, 9</td><td>4</td></tr> <tr><td>10, 11</td><td>4, 5</td></tr> <tr><td>12-14</td><td>4, 5, 6</td></tr> <tr><td>15-19</td><td>4, 5, 6, 8</td></tr> <tr><td>20-24</td><td>4, 5, 6, 8, 10, 12</td></tr> <tr><td>25-30, 40, 50</td><td>4, 5, 6, 8, 10, 12, 16</td></tr> </table>	D	WMH (Selection Range)	8, 9	4	10, 11	4, 5	12-14	4, 5, 6	15-19	4, 5, 6, 8	20-24	4, 5, 6, 8, 10, 12	25-30, 40, 50	4, 5, 6, 8, 10, 12, 16
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Configurable Outer Diameter

Part Number	D	L
	1 mm Increment	1 mm Increment
FRDJJ (Polyacetal / White)	6-10	10-500
FRDJM (MC Nylon, Standard, Blue)	11-15	10-750
	16-18	10-800
	19-30	20-800

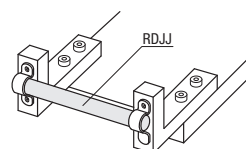
Part Number Example

Part Number	-	L
RDJJ15	-	500

Outer Dia. Configurable

Part Number	-	D	-	L
FRDJJ	-	D14	-	L530

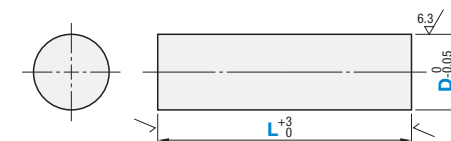
Application Example



Precision Resin Rods

Precision Resin Rods

Type	Material	Color
RDPJ	Polyacetal, Standard	White
RDPK	Polyacetal, Standard	Black
RDPJ	PEEK, Standard	Gray
RDPE	Epoxy Glass, Standard	Green



RoHS 10

Ⓢ Use alteration LKC for L dimension tolerance accuracies.

Ⓢ For Characteristic Values, refer to P.3067-3068

Part Number	D	L	
Type		1 mm Increment	
RDPJ Polyacetal, Standard, White	3	10-250	
	4		
	5		
	6		
	8		
RDPK Polyacetal, Standard, Black	10	10-500	
	12		
	15		
	16		
	20		
			10-750
			10-800
	20-800		

Part Number Example

Part Number	-	L
RDPJ10	-	300

Part Number	D	L
Type		1 mm Increment
RDPJ PEEK, Standard	3	10-250
	4	
	5	
	6	
RDPE Epoxy Glass, Standard	8	10-500
	10	
	12	

Part Number Alterations

Part Number	-	L	-	(LKC)
RDPJ10	-	100	-	LKC

Alteration	L Dimension Tolerance
Code	LKC
Spec.	Changes L dimension tolerance as follows: 10-400 mm ±0.3; 401-800 mm ±0.8 Ordering Code: LKC Ⓢ 8≤D≤20 Ⓢ Not applicable to RDPE.

Part Number	D
Type	
RDPJ Polyacetal, Standard, White	3
	4
	5
	6
	8
	10
	12
	15
	16
	20
RDPK Polyacetal, Standard, Black	3
	4
	5
	6
	8
	10
	12
	15
	16
	20

Part Number	D
Type	
RDPJ PEEK, Standard	3
	4
	5
	6
	8
	10
RDPE Epoxy Glass, Standard	3
	4
	5
	6
	10
	12