

Hex Rods

Material: S45C, SUS303 / 304, C3604, A2011

Type	Material
RDRC	S45C Equivalent
RDRF	SUS303
RDRS	SUS304
RDRG	C3604 Brass (Brass)
RDRA	A2011

RoHS

Part Numbers in are not RoHS compliant.

L Dimension Tolerance or More or Less Tolerance		
15	30	±0.2
31	120	±0.3
121	400	±0.5
401	1000	±0.8

Part Number Type	B	L 1mm Increment	(C)
RDRC (S45C)	6	15~400	6.9
	7		8.1
	8		9.2
	10		11.5
RDRF (SUS303)	12	25~600	13.9
	13		15.0
	14		16.2
	17		19.6
RDRS (SUS304)	19	35~800	21.9
	24		27.7
	27		31.2
	30		34.6
RDRG (C3604)	32	65~1000	36.9
	32		

Ordering Example: Part Number - L
RDRC10 - 300

Alterations: Part Number - L - (MC, WMC)
RDRC19 - 535 - MC8

Alterations	One End Tapped	Both Ends Tapped																															
	<p>Code: MC</p> <p>Spec. Adds a tap on one end. Ordering Code: MC8 6≤B≤32 When L≤Mx2, the tap goes through.</p> <table border="1"> <thead> <tr> <th>B</th> <th>MC (Selection Range)</th> </tr> </thead> <tbody> <tr><td>6, 7</td><td>3</td></tr> <tr><td>8</td><td>3, 4</td></tr> <tr><td>10</td><td>3, 4, 5</td></tr> <tr><td>12-14</td><td>3, 4, 5, 6</td></tr> <tr><td>17, 19</td><td>3, 4, 5, 6, 8</td></tr> <tr><td>24</td><td>3, 4, 5, 6, 8, 10, 12</td></tr> <tr><td>27-32</td><td>3, 4, 5, 6, 8, 10, 12, 16</td></tr> </tbody> </table> <p>When L≤Mx4, the pilot hole for tapping may go through.</p>	B	MC (Selection Range)	6, 7	3	8	3, 4	10	3, 4, 5	12-14	3, 4, 5, 6	17, 19	3, 4, 5, 6, 8	24	3, 4, 5, 6, 8, 10, 12	27-32	3, 4, 5, 6, 8, 10, 12, 16	<p>Code: WMC</p> <p>Spec. Adds taps on both ends. Ordering Code: WMC12 6≤B≤32 When L≤Mx4, the tap goes through.</p> <table border="1"> <thead> <tr> <th>B</th> <th>WMC (Selection Range)</th> </tr> </thead> <tbody> <tr><td>6, 7</td><td>3</td></tr> <tr><td>8</td><td>3, 4</td></tr> <tr><td>10</td><td>3, 4, 5</td></tr> <tr><td>12-14</td><td>3, 4, 5, 6</td></tr> <tr><td>17, 19</td><td>3, 4, 5, 6, 8</td></tr> <tr><td>24</td><td>3, 4, 5, 6, 8, 10, 12</td></tr> <tr><td>27-32</td><td>3, 4, 5, 6, 8, 10, 12, 16</td></tr> </tbody> </table>	B	WMC (Selection Range)	6, 7	3	8	3, 4	10	3, 4, 5	12-14	3, 4, 5, 6	17, 19	3, 4, 5, 6, 8	24	3, 4, 5, 6, 8, 10, 12	27-32
B	MC (Selection Range)																																
6, 7	3																																
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24	3, 4, 5, 6, 8, 10, 12																																
27-32	3, 4, 5, 6, 8, 10, 12, 16																																

Part Number Type	B	Unit Price					
		Min. L - 100	101~200	201~400	401~600	601~800	801~1000
RDRC	6						
	7						
	8						
	10						
	12						
	13						
	14						
	17						
	19						
	24						
	27						
	30						
32							
RDRF	6						
	7						
	8						
	10						
	12						
	13						
	14						
	17						
	19						
	24						
	27						
	30						
32							
RDRS	6						
	7						
	8						
	10						
	12						
	13						
	14						
	17						
	19						
	24						
	27						
	30						
32							

Part Number Type	B	Unit Price					
		Min. L - 100	101~200	201~400	401~600	601~800	801~1000
RDRG	6						
	7						
	8						
	10						
	12						
	13						
	14						
	17						
	19						
	24						
	27						
	30						
32							
RDRA	6						
	7						
	8						
	10						
	12						
	13						
	14						
	17						
	19						
	24						
	27						
	30						
32							

Steel Hollow Tubes - I.D. Selectable / Stainless Steel Hollow Tubes - Wall Thickness Selectable

Steel Hollow Tubes - I.D. Selectable

Type	Material	Surface Treatment
PISS	STKM17C	-
PISK		Black Oxide
PISN		Electroless Nickel Plating

L Dimension Tolerance or More or Less Tolerance		
10	99	±0.1
100	120	±0.3
121	400	±0.5
401	1000	±0.8

RoHS

There may be rust on the inner surface.
End faces are not surface-treated. (Common to PISK and PISN).

Part Number Type	D	V	L 1mm increment	Unit Price						
				L10-200	L201-400	L401-600	L601-800	L801-1000		
PISS (No Treatment)	6	3 4	10-1000							
	8	3 4 5 6								
	10	3 4 5 6 8								
	12	3 4 5 6 8 10								
	13	5 6 8 10								
	14	4 5 6 8 10								
	15	4 5 6 8 10 12								
	16	4 5 6 8 10 12								
	20	5 6 8 10 12 15 16								
	25	6 8 10 12 15 16 20								
	30	10								
					20 25					
PISK (Black Oxide)	6	3 4	10-1000							
	8	3 4 5 6								
	10	3 4 5 6 8								
	12	3 4 5 6 8 10								
	13	5 6 8 10								
	14	4 5 6 8 10								
	15	4 5 6 8 10 12								
	16	4 5 6 8 10 12								
	20	5 6 8 10 12 15 16								
	25	6 8 10 12 15 16 20								
	30	10								
					20 25					
PISN (Electroless Nickel Plating)	6	3 4	10-1000							
	8	3 4 5 6								
	10	3 4 5 6 8								
	12	3 4 5 6 8 10								
	13	5 6 8 10								
	14	4 5 6 8 10								
	15	4 5 6 8 10 12								
	16	4 5 6 8 10 12								
	20	5 6 8 10 12 15 16								
	25	6 8 10 12 15 16 20								
	30	10								
					20 25					

Ordering Example: Part Number - V - L
PISS20 - 10 - 400

Alterations: Part Number - V - L - (MC, WMC, LKC)
PISS20 - 8 - 400 - MC

Alterations Code	One End Tapped	Both Ends Tapped	L Dimension Tolerance
	MC	<p>Ordering Code: MC</p> <p>Adds a tap on one end. Ordering Code: MC MC: L≥MCx2</p>	<p>Ordering Code: WMC</p> <p>Adds taps on both ends. Ordering Code: WMC WMC: L-WMCx4≥5</p>

Spec. V	D	L Tolerance															
		3	4	5	6	8	10	12	15	16	20	25	10-300	301-500	L Tolerance		
6	M4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	±0.05	
8	M4	M5	-	-	-	-	-	-	-	-	-	-	-	-	-	±0.10	
10	M4	M5	-	-	-	-	-	-	-	-	-	-	-	-	-	±0.10	
12	M4	M5	M8	M8	-	-	-	-	-	-	-	-	-	-	-	Not applicable to L>500.	
13	-	M8	M8	M10	-	-	-	-	-	-	-	-	-	-	-		
14	-	M8	M8	M10	-	-	-	-	-	-	-	-	-	-	-		
15	-	M8	M8	M10	-	-	-	-	-	-	-	-	-	-	-		
16	-	M8	M8	M10	M12	-	-	-	-	-	-	-	-	-	-		
20	-	M10	M10	M12	M12	-	-	-	-	-	-	-	-	-	-		
25	-	M10	M10	M12	M16	M18	M20	-	-	-	-	-	-	-	-		
30	-	-	-	M12	-	-	-	-	-	-	-	-	-	-	-		

Material: SUS304 (Drawn)

Stainless Steel Hollow Tubes - Wall Thickness Selectable

PIPS

C Dimension or More or Less			L Dimension Tolerance or More or Less Tolerance		
D3	D16	0.5	10	30	±0.2
D20	D30	1.0	31	120	±0.3
			121	400	±0.5
			401	1000	±0.8

Material: SUS304 (Drawn)

For maximum L dimension in each D dimension, refer to the specification table.

Part Number Type	D	t Selection	L 1mm increment	Unit Price						
				L10-100	L101-200	L201-400	L401-600	L601-800	L801-1000	
PIPS	3	0.5 1	10-250							
	4	0.5 1								
	5	0.5 1 1.5								
	6	0.5 1 1.5 2								
	8	0.5 1 1.5 2								
	10	0.5 1 1.5 2 2.5 3								
	13	0.5 1 1.5 2 2.5 3								
	15	1 1.5 2 2.5 3 4								
	16	1.5 2 2.5 3 4 5								
	20	2 2.5 3 4 5								
	25	2.5 3 4 5 6								
	30	4 5 6								

Ordering Example: Part Number - t - L
PIPS4 - 1 - 125

Welded Thin-Walled Hollow Tubes / Drawn Hollow Tubes

Material: SUS304 / STKM13A, C2700, A6063

Thin-Walled Ground Stainless Steel Hollow Tubes / Thin-Walled Ground Stainless Steel Hollow Tubes

Precision I.D. / O.D.

Welded Thin-Walled Hollow Tubes



Drawn Hollow Tubes



Type	Hollow Tube Type	Material
PIPD	Welded Tube	SUS304
PIPC	Drawn Hollow Tube	STKM13A
PIPG		C2700 (Brass)
PIPA		A6063

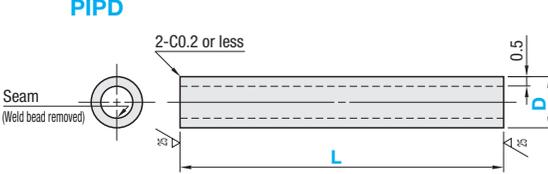
D Tolerance

D	PIPC	PIPG	PIPA
2-6	±0.1	±0.1	
8-30	±0.2	±0.4	

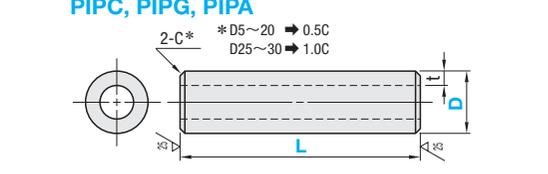
L Tolerance

or More	or Less	Tolerance
10	30	±0.2
31	120	±0.3
121	400	±0.5
401	1000	±0.8

PIPD



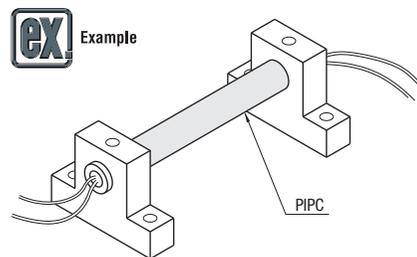
PIPC, PIPG, PIPA



For maximum L dimension in each D dimension, refer to the specification table.

Part Number	Type	D	L 1mm increment	t	Unit Price					
					L10~100	L101~200	L201~400	L401~600	L601~800	L801~1000
PIPD (SUS304)		2	10~1000	0.5						
		3								
		4								
		5								
		6								
		8								
		10								
		12								
		15								
		16								
PIPC (STKM13A)		5	10~250	1						
		6								
		8								
		10								
		12								
		13								
		15								
		16								
		20								
		25								
PIPG (C2700)		5	10~250	1						
		6								
		8								
		10								
		12								
		13								
		15								
		20								
		25								
		30								
PIPA (A6063)		5	10~250	1						
		6								
		8								
		10								
		12								
		13								
		15								
		16								
		20								
		25								
		30	10~1000	2						

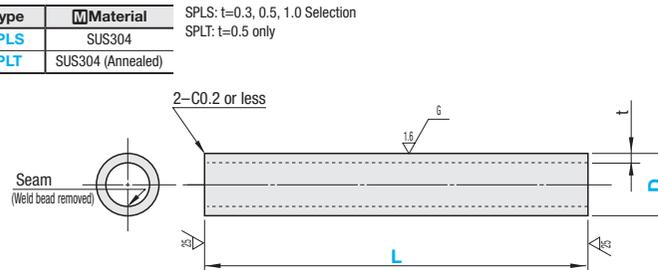
Ordering Example: Part Number PIPC8 - L 450





Type	Material
SPLS	SUS304
SPLT	SUS304 (Annealed)

SPLS: t=0.3, 0.5, 1.0 Selection
SPLT: t=0.5 only



L Dimension Tolerance

or More	or Less	Tolerance
10	30	±0.2
31	120	±0.3
121	400	±0.5
401	1000	±0.8

D Dimension Tolerance

or More	or Less	Tolerance
2	12	0 -0.05
15	30	0 -0.1

Part Number	Type	D		L 1mm increment	Unit Price							
		t=0.5	t=0.3		L10~50	L51~100	L101~200	L201~400	L401~600	L601~800	L801~1000	
SPLS		2	2A	10~1000								
		3	3A									
		4	4A 4B									
		5	5A 5B									
		6	6A 6B									
		8	8A 8B									
		10	10B									
		12										
		15										
		16										
SPLT		25										
		20										
		15										
		12										

For SPLT, t=0.5 only.

Ordering Example: Part Number SPLS2A - L 500
SPLT4 - 500

EX Example

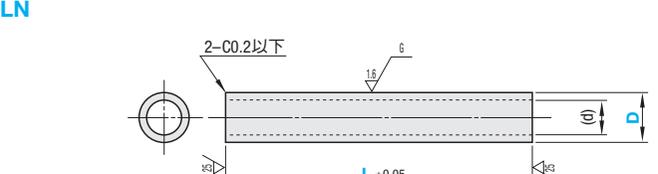
[Product Applications]
Roll Shafts for Photocopiers
Antenna
For heating
For plumbing
Injection Nozzle
Ornamental Piping, etc.

SPLS is a Straight Type and can be used for injecting or other purposes. Annealed material (180 to 220HV) is adopted so that SPLT can be bent to fit the above applications.

Precision I.D./O.D.



SPLN



D and d Dimension Tolerance

D	(d)
0.5~2.0	±0.01
2.5~5.0	±0.02

Material: SUS304

Part Number	Type	D	L 1mm increment	(d)	Unit Price		
					L10~50	L51~100	L101~200
SPLN		0.5	10~200	0.34			
		1		0.7			
		1.5		1.1			
		2		1.6			
		2.5		2.1			
		3		2.6			
		3.5		3.1			
		4		3.6			
		4.5		4.1			
		5		4.6			

Ordering Example: Part Number SPLN2 - L 100

Thick-Walled Ground Stainless Steel Hollow Tubes

Straight

Thick-Walled Ground Stainless Steel Hollow Tubes

Tapped, Threaded

PSTS

Material: SUS304

L Dimension Tolerance or More or Less Tolerance	
10	±0.2
31	±0.3
121	±0.5
401	±0.8
1001	±1.2

Part Number Type	D	h8	L 1mm increment	t	(d ^{+0.5})	Unit Price					
						L10~200	L201~400	L401~600	L601~800	L801~1000	L1001~1200
PSTS	6	0 -0.018	10~600	1.5	3						
	8A			1.5	5						
	8	0		2	4						
	10A	-0.022		1.5	7						
	10		10~800	2	6						
	12A			2	8						
	12	0		3	6						
	12B			4	4						
	15B	-0.027	10~1000	1.5	12						
	15A			2	11						
	15	0		3	9						
	16			3	10						
	20A	-0.033	10~1200	2.5	15						
	20			4	12						
	20B	0		6	8						
	25A			3	19						
	25	-0.033	10~1200	5	15						
	30A			3	24						
	30	0		5	20						
	35			5	25						
40	-0.039	10~1200	5	30							
45			5	35							
50			8	34							

Ordering Example: Part Number - L
PSTS15 - 173

Alterations Example: Part Number - L - (MF, WF, VC, LKC)
PSTS15 - 173 - WF17

Alterations Code	Side Tapped	V Groove	L Dimension Tolerance
MF			
WF			
VC			
LKC			

VC = 1mm Increment
Ordering Code VC15
*Not applicable to D6, 8A, 10A and 15B

L Dimension Tolerance
Ordering Code LKC

L	L Tolerance
10~ 200	+0.05 0
201~ 500	+0.2 0
501~ 800	+0.5 0
801~1200	+0.8 0

MF, WF = 1mm Increment
Ordering Code MF12
*Not applicable to D6, 8A, 10A and 15B

D	Side Tap Dia.
8, 10, 12, 12A, 12B, 15, 15A, 16	M3
20, 20A, 20B, 25, 25A, 30, 30A	M4
35, 40, 45, 50	M5

Tapped

PSTT (One End Tapped)

PSWT (Both Ends Tapped)

Material: SUS304

L Dimension tolerance conforms to PSTS (P315)

Threaded

PSTN (One End Threaded)

PSWN (Both Ends Threaded)

Material: SUS304

L Dimension tolerance conforms to PSTS (P315)

Part Number Type	D	h8	L 1mm increment	M (Coarse) Selection	(d ^{+0.5})		
						PSTT	PSTT
6	0 -0.018	30~600	4	3	3		
8	0					5 6	4
10	-0.022					8	6
12	0	30~800	8	6	6		
15	-0.027					10 12	8
20	0					12 16	10
25	-0.033	30~1000	16 20	13	13		
30	0					20 24	16

Part Number Type	D	h8	L 1mm increment	M (Coarse) Selection	(d ^{+0.5})		
						PSTN	PSWN
8	0	50~600	8	4	4		
10	-0.022					10	6
12	0	60~800	10 12	6	6		
15	-0.027					12	8
20	0	70~1000	16 20	10	10		
25	-0.033					20 24	13
30	0					24 30	16

L ≥ Mx3 for PSTT, L ≥ Mx6 for PSWT

Ordering Example: Part Number - L - M
PSTT20 - 184 - 12
PSWN20 - 320 - 16

L ≥ Mx3 for PSTN, L ≥ Mx6 for PSWN

Alterations Example: Part Number - L - M - (LKC)
PSTT15 - 173 - 10 - LKC

Alteration Code	L Dimension Tolerance
LKC	
Spec.	

L	L Tolerance
30~ 200	+0.05 0
201~ 500	+0.2 0
501~ 800	+0.5 0
801~1000	+0.8 0

PSTT, PSWT

D	PSTT Unit Price					PSWT Unit Price				
	L30~200	L201~400	L401~600	L601~800	L801~1000	L30~200	L201~400	L401~600	L601~800	L801~1000
6										
8										
10										
12										
15										
20										
25										
30										

PSTN, PSWN

D	PSTN Unit Price					PSWN Unit Price				
	Min. L ~ 200	L201~400	L401~600	L601~800	L801~1000	Min. L ~ 200	L201~400	L401~600	L601~800	L801~1000
8										
10										
12										
15										
20										
25										
30										