

Stepped Dowel Pins / Insulating Dowel Pins / Plastic Dowel Pins

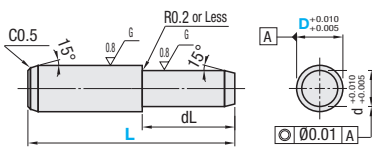
Spring Pins

Stepped Dowel Pins
Standard with Tapped Hole



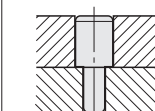
MSFW

MSFWC (Stainless Steel)

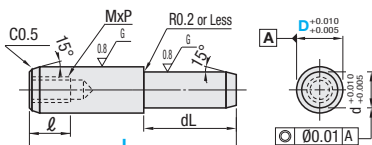


MSFWM (With Tapped Hole)

MSFWCM (Stainless Steel with Tapped Hole)



Convenient for readjustment
and prevention to fall off.



Type	Material	Hardness
MSFW	SUSJ2	58HRC~
MSFWC	SUS440C	
MSFWM		
MSFWCM		

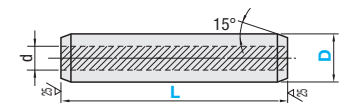
Part Number Type	D	L	MxP	ℓ	d	dL	Unit Price			
							MSFW	MSFWC	MSFWM	MSFWCM
5	15	-	-	-	4	5			-	-
	25	-	-	-	10	10			-	-
6	20	-	-	-	5	10			-	-
	30	3x0.5	6	5	15	15			-	-
8	25	4x0.7	-	6	10	15			-	-
	35	-	8	6	15	15			-	-
10	35	5x0.8	-	8	15	15			-	-
	40	-	-	8	15	15			-	-
13	45	-	-	-	20	20			-	-
	55	6x1.0	10	10	25	25			-	-
	70	-	-	-	30	30			-	-

Ordering Example
Part Number - L
MSFW10 - 35

Insulating Dowel Pins



MSIP



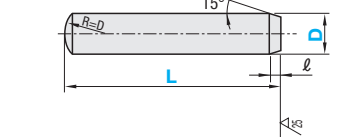
Body: Fabric Base Bakelite Core Rod: SUS304
Properties of Bakelite P955
The D dimension tolerance is the result of measurement at room temperature (20°C).

Part Number Type	D	D Tolerance	d	Unit Price									
				L									
MSIP	6	+0.03 0	3	8	10	15	20	25	30	35	40		
	8		4	10	15	20	25	30	35	40			
	9		5	15	20	25	30	35	40	45	50	-	-
	10		5	15	20	25	30	35	40	45	50	-	-
	12		6	20	25	30	35	40	45	50			

Plastic Dowel Pins



MSIPJ

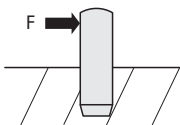


Material: Polycarbonate
Properties of Polycarbonate P949
The D dimension tolerance is the result of measurement at room temperature (20°C).

Part Number Type	D	D Tolerance	ℓ	Unit Price			
				L10	L15	L20	L25
MSIPJ	3	+0.03 0	1.0	10	15	20	-
	4		1.0	10	15	20	-
	5		1.5	10	15	20	-
	6		1.5	10	15	20	25
	8		2.0	15	20	25	-

D	Static Yield Load (kN)
3	0.4
4	0.6
5	1.1
6	1.4
8	2.1

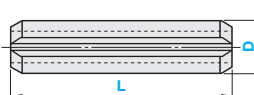
Static Shear Failure Data



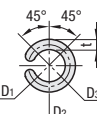
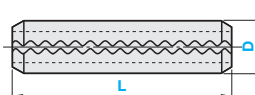
Spring Pins



SSPR



SSPSR (Stainless Steel)



L	L Tolerance
5~ 10	+0.5 0
12~ 50	+1.0 0
56~100	+1.5 0

Type	Material	Hardness
SSPR	Spring Steel	45-50HRC
SSPSR	Spring Stainless Steel Alloy	42-48HRC

Part Number Type	D - L	*kN		t (Reference)		D	
		SSPR	SSPSR	SSPR	SSPSR	min	max
SSPR (D2-10)	2	2.76	2.76	0.4	0.4	2.15	2.25
	3	6.2	6.2	0.6	0.6	3.15	3.25
	4	10.8	10.8	0.8	0.8	4.2	4.4
	5	17.25	17.25	1	1	5.2	5.4
SSPSR (D2-6)	6	24.83	24.83	1.2	1.2	6.2	6.4
	8	44.13	-	1.6	-	8.3	8.6
	10	68.94	-	2	-	10.3	10.6

Maximum value of D is the maximum value on the pin's circumference and the minimum value for D is the average of D1, D2 and D3.
Reference: t conforms to JSMA No. 6 (Japan Spring Manufacturers Association Standard).
* kN = Minimum Double Shearing Load

Part Number Type	D - L	SSPR		SSPSR	
		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
SSPR (D2-10)	2- 5	1 ~ 99 pcs.	100 ~ 1000 pcs.	1 ~ 99 pcs.	100 ~ 1000 pcs.
	6				
	8				
	10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
SSPSR (D2-6)	3- 6				
	8				
	10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
SSPR (D2-10)	4- 8				
	10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
	40				
SSPSR (D2-6)	5- 10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
SSPR (D2-10)	5- 10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
SSPSR (D2-6)	5- 10				
	12				
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				

Part Number Type	D - L	SSPR		SSPSR	
		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
SSPR (D2-10)	6- 12	1 ~ 99 pcs.	100 ~ 1000 pcs.	1 ~ 99 pcs.	100 ~ 1000 pcs.
	14				
	16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
SSPSR (D2-6)	8- 16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
	50				
	56				
SSPR (D2-10)	8- 16				
	18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
	50				
	56				
SSPSR (D2-6)	10- 18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
	50				
	56				
	63				
SSPR (D2-10)	10- 18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
	50				
	56				
	63				
SSPSR (D2-6)	10- 18				
	20				
	22				
	25				
	28				
	32				
	36				
	40				
	45				
	50				
	56				
	63				

No specifications available for sizes with no prices shown.