

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	58HRC~
MSFWM	SUSJ2	58HRC~
MSFWCM	SUS440C	58HRC~

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

Ordering Example
Part Number - L
MSIP6 - 30

Part Number Type	D	D Tolerance	d	L	Unit Price											
					L8-10	L15	L20	L25	L30	L35	L40	L45	L50			
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).

Ordering Example
Part Number - L
MSIPJ6 - 25

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

Static Shear Failure Data

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

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
SSPSR (D2-6)	5	17.25	17.25	1	1	5.2	5.4
	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

Ordering Example
Part Number
SSPR5 - 40

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 JISMA No. 6 (Japan Spring Manufacturers Association Standard).
*kN = Minimum Double Shearing Load
The mounting hole diameter for spring pins should be the same as the nominal diameter of the spring pin, with a mounting hole dimension tolerance of H12 as specified in JIS B0401-1.

Part Number Type	D - L	SSPR		SSPSR	
		Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
SSPR	2- 5	1 ~ 99 pcs.	100 ~ 1000 pcs.	1 ~ 99 pcs.	100 ~ 1000 pcs.
SSPSR	6- 12				
SSPSR	14- 16				
SSPSR	18- 20				
SSPSR	22- 25				
SSPSR	28- 32				
SSPSR	36- 40				
SSPSR	45- 50				
SSPSR	56- 60				
SSPR	8- 16				
SSPR	18- 20				
SSPR	22- 25				
SSPR	28- 32				
SSPR	36- 40				
SSPSR	45- 50				
SSPSR	56- 60				
SSPSR	63- 70				
SSPSR	80				
SSPR	10- 18				
SSPR	20- 22				
SSPR	25- 28				
SSPR	32- 36				
SSPR	40- 45				
SSPR	50- 56				
SSPR	63- 70				
SSPR	80- 90				
SSPR	100				

No specifications available for sizes with no prices shown.