PSM International
GLOBAL FASTENING SOLUTIONS

THREADED SPACERS & SUPPORT PILLARS

SPA Series

Threaded Spacers and Support Pillars provide a convenient means of spacing panels and/or other components with standard nuts and machine screws. Types are available with reuseable threads, for high temperature applications and where high electrical insulation is required.

SPA series

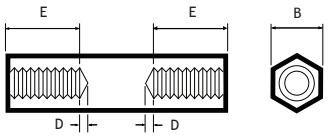
Reference and Dimensional Specifications(mm)

SPA 01/02/03 Hexagonal Spacers

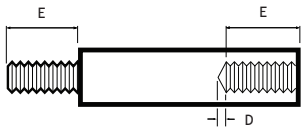
Advantages

- Easily attached.
- Suitable for high temperature applications.
- High strength.
- Pecision re-useable threads.

SPA 01



SPA 02



SPA 03

Materials available:

B - Brass (electro nickel plated).
SS - Stainless steel 18/8.
MS - Mild steel(zinc plated).

Thread Size (METRIC)	Thread Size (UNIFIED)	Dim.AF B	E	D
M2	2.56	4.0	4.0	2.0
M3	4.40	5.0	6.0	2.5
M3.5	6.32	6.0	7.0	3.0
M4	8.32	7.0	8.0	3.0
M5	10.32	8.0	10.0	3.5
M6	1/4UNC	10.0	10.0	4.5

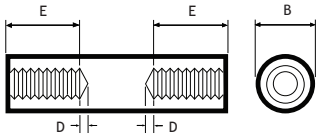
Spacer Length A +/-0.1						
	5.0	6.0	8.0	10.0	12.0	14.0
	16.0	18.0	20.0	25.0	30.0	35.0
	40.0	45.0	50.0	55.0	60.0	-

SPA 04/05/06 Round Acetal Spacers

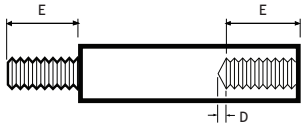
Advantages

- High electrical insulation.
- Lightweight.
- High strength plastic.
- Good thermal stability.

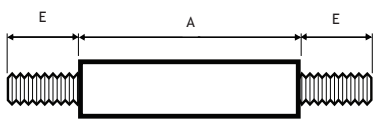
SPA 04



SPA 05



SPA 06



Material:

AC - Acetal.

Thread Size (METRIC)	Thread Size (UNIFIED)	Dia. B	E	D
M2	2.56	5.0	4.0	2.0
M3	4.40	6.0	6.0	2.5
M3.5	6.32	6.0	7.0	3.0
M4	8.32	8.0	8.0	3.0
M5	10.32	10.0	10.0	3.5
M6	1/4UNC	12.0	10.0	4.5

Spacer Length A +/-0.1						
	5.0	6.0	8.0	10.0	12.0	14.0
	16.0	18.0	20.0	25.0	30.0	35.0
	40.0	45.0	50.0	55.0	60.0	-

THREADED SPACERS & SUPPORT PILLARS

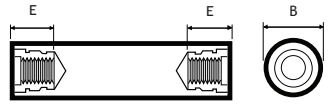
SPA 07/08/09 High Strength Insulating Spacers

Advantages

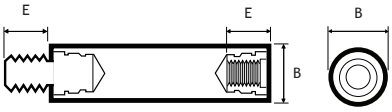
- Acetal spacers incorporationg permanently retained brass Inserts or studs.
- High strength re-useable threads.

Material:
AB — Acetal with Brass insert.

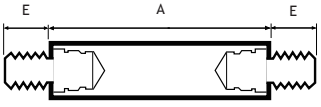
SPA 07



SPA 08



SPA 09



Thread Size (METRIC)	Thread Size (UNIFIED)	B	E	Minimum Length
M3	4.40	7.0	4.0	14.0
M3.5	6.32	8.0	5.0	16.0
M4	8.32	10.0	6.0	20.0
M5	10.32	12.0	7.0	22.0
M6	1/4UNC	12.0	8.0	25.0

Spacer Length A +/-0.1	14.0	16.0	18.0	20.0	25.0	30.0
	35.0	40.0	45.0	50.0	55.0	60.0

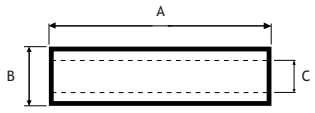
SPA 10 Round Ptain Hole Acetal Spacers

Advantages

- Acetal Spacers with through holes.
- Light weight.
- Good thermal stability.

Material:
AC — Acetal

SPA 10



Size Code	Dia. B	Dia. C	To accommodate Screw Size (METRIC)	To accommodate Screw Size (UNIFIED)
22	5.0	2.2	M2	2.56
33	6.0	3.2	M3	4.40
35	6.0	3.7	M3.5	6.32
44	8.0	4.2	M4	8.32
55	10.0	5.2	M5	10.32
66	12.0	6.4	M6	1/4UNC

Spacer Length A +/-0.1	5.0	6.0	8.0	10.0
	12.0	14.0	16.0	18.0
	20.0	25.0	30.0	

Product Information

Type SPA01

Where body length is less than the combined depths of thread shown, thread length is total length of spacer.

Type SPA02

Where body length is insufficient to allow full depth of thread, maximum thread length will be body length minus D to allow for drill point and tapping clearance.
For example: — M2 thread in 5mm body would only have 3mm of thread (5mm minus 2mm).

Type SPA04

Where body length is less than the combined depths of thread shown, thread length is total length of spacer.

Type SPA05

Where body length is insufficient to allow full depth of thread, maximum thread length will be body length minus D to allow for drill point and tapping clearance.

How to specify:

Product Code	SPA02-B-M3-8.0
Material Code	SPA05-AC-M3-8.0
Thread Size/Size code	SPA08-AB-M3-14.0
Length	SPA08-AB-M3-14.0

Material and mechanical properties can be advised by your local Tech Centre

If the dimensions of the spacers shown do not meet your requirements, contact your local sales office, special parts can be made to order.