



 KEYHOLE®

 SELF-CLINCHING

 STANDOFFS

BULLETIN



SK 400

KEYHOLE® SELF-CLINCHING STANDOFFS

The PEM KEYHOLE® Standoff (Type SKC™) is designed so that a PC board or panel can be quickly slipped into place and then removed from an assembly by simply sliding the board sideways and lifting it off. PEM Keyhole standoffs can save valuable time and dramatically reduce the amount of loose hardware required.

These standoffs can be used for spacing or hanging of replaceable components.

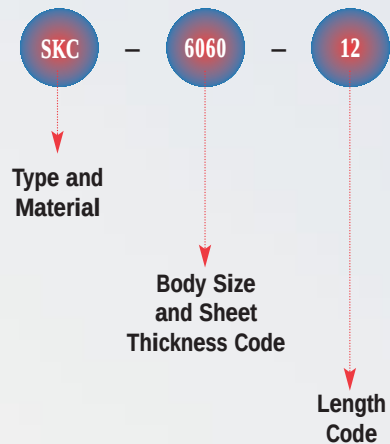
Typically, several KEYHOLE standoffs are used with one standard PEM threaded standoff which accepts a screw to secure the board or component against any unwanted movement.



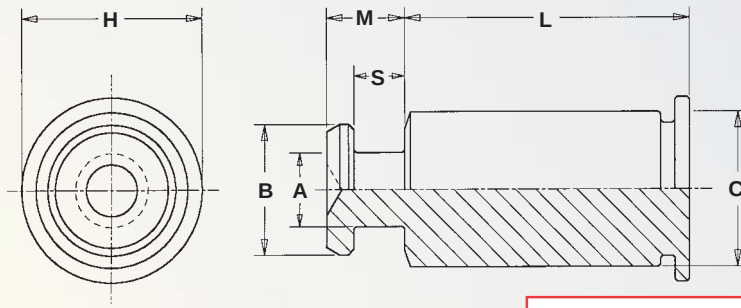
Look for the
PEM “dimple”
trademark.



Part Number Designation



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FASTENER MATERIAL:
300 Series Stainless Steel

FINISH:
Passivated and/or tested per ASTM A380

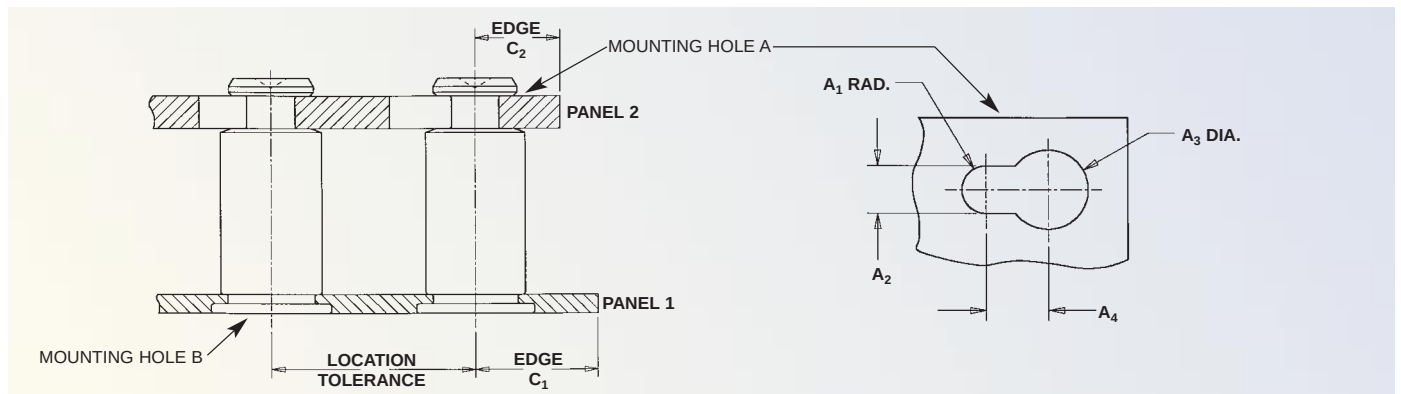
All dimensions are in inches.

UNIFIED	Type	Body Size - Sheet Code	Length "L" $\pm .005$ (Length Code in 32nds of an inch)											A $\pm .003$	B $\pm .003$	C Max.	S $\pm .003$	M Max.	H Nom	D Anvil Hole $+ .003$ $- .000$
	Stainless Steel		.188	.250	.312	.375	.437	.500	.562	.625	.750	.875	1.00							
	SKC	6060	6	8	10	12	14	16	18	20	24	28	32	.099	.177	.212	.068	.108	.250	.216

All dimensions are in millimeters.

METRIC	Type	Body Size - Sheet Code	Length "L" ± 0.13 (Length Code in millimeters)											A ± 0.08	B ± 0.08	C Max.	S ± 0.08	M Max.	H Nom	D Anvil Hole $+ 0.08$
	Stainless Steel																			
	SKC	61.5	6	8	10	12	14	16	18	20 ^{NS}	22 ^{NS}	25 ^{NS}		2.5	4.5	5.38	1.72	2.75	6.35	5.5

NS Not Stocked. Available on special order.



All dimensions are in inches.

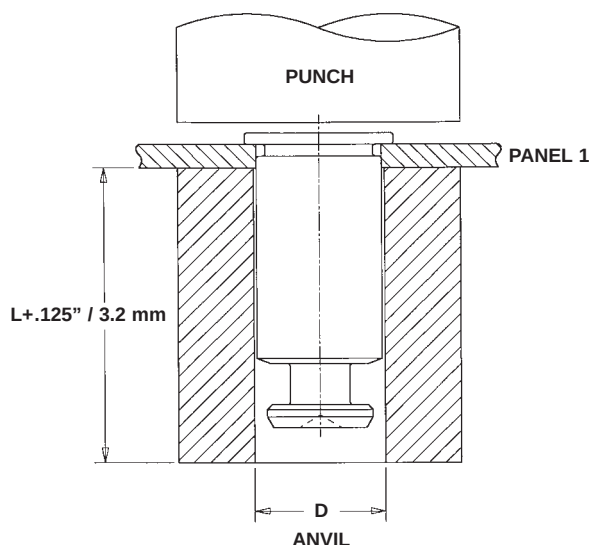
		PANEL 1					PANEL 2						
UNIFIED	Type	Bottom Mounting Hole B + .003 - .000	Hardness Max.	Thickness Min.	Edge Distance C ₁ Min.	Location Tolerance Max.	Top Mounting Hole A				Material	Thickness Range	Edge Distance C ₂ Min.
							A ₁ Nom.	A ₂ ± .003	A ₃ ± .003	A ₄ Min.			
	SKC	.213	HRB 70	.040	.260	± .005	.059	.118	.197	.148	PC Board or Metal	.057-.064	.160

All dimensions are in millimeters.

		PANEL 1					PANEL 2						
METRIC	Type	Bottom Mounting Hole B + 0.08	Hardness Max.	Thickness Min.	Edge Distance C ₁ Min.	Location Tolerance Max.	Top Mounting Hole A				Material	Thickness Range	Edge Distance C ₂ Min.
							A ₁ Nom.	A ₂ ± 0.08	A ₃ ± 0.08	A ₄ Min.			
		SKC	5.4	HRB 70	1	6.6	± 0.13	1.5	3	5	3.75	PC Board or Metal	1.45-1.62

INSTALLATION

1. Punch or drill properly sized mounting hole in Panel 1.
2. Place the barrel of the fastener through mounting hole and into anvil as shown in drawing to the right.
3. With the punch and anvil surfaces parallel, apply only enough squeezing force to embed the head flush with the panel.



PERFORMANCE DATA⁽¹⁾

Installation and Pushout

UNIFIED	Body Size - Sheet Code	.060" 5052-H34 Aluminum		.060" Cold-Rolled Steel	
		Installation (lbs.)	Pushout (lbs.)	Installation (lbs.)	Pushout (lbs.)
	6060	1600	250	3200	600

METRIC	Body Size - Sheet Code	1.52 mm 5052-H34 Aluminum		1.52 mm Cold-Rolled Steel	
		Installation (kN)	Pushout (N)	Installation (kN)	Pushout (N)
	61.5	7.1	1100	14.2	2600

Permissible Side-Loading

UNIFIED	Body Size - Sheet Code	.060" 5052-H34 Aluminum										.060" Cold-Rolled Steel									
		Length Codes										Length Codes									
		-6	-8	-10	-12	-14	-16	-20	-24	-32		-6	-8	-10	-12	-14	-16	-20	-24	-32	
UNIFIED	6060	Side-Load Force Max. (lbs.)										Side-Load Force Max. (lbs.)									
		82	63	52	44	38	34	27	22	17		197	153	126	106	92	81	66	55	42	

METRIC	Body Size - Sheet Code	1.52 mm 5052-H34 Aluminum										1.52 mm Cold-Rolled Steel									
		Length Codes										Length Codes									
		-6	-8	-10	-12	-14	-16	-18	-20	-22	-25	-6	-8	-10	-12	-14	-16	-18	-20	-22	-25
METRIC	61.5	Side-Load Force Max. (N)										Side-Load Force Max. (N)									
		296	228	184	156	136	116	104	96	88	76	696	540	440	372	320	280	252	228	208	184

(1) The installation and pushout values reported are averages when all installation specifications and procedures are followed. Variations in mounting hole size, panel material and installation procedure will affect this data. Performance testing of this product in your application is recommended. We will be happy to provide samples for this purpose.

Visit us at our PEMNETSM web site:
<http://www.pemnet.com>

Specifications subject to change without notice.

For the name of the Authorized PEM distributor nearest you, call one of the numbers below or check our web site.



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