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# Mech



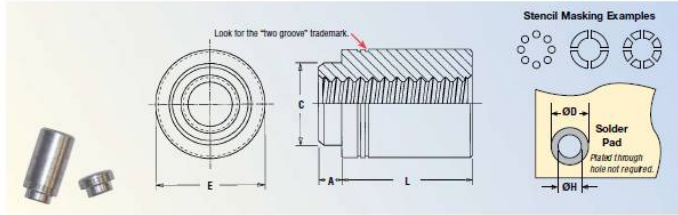
## Manufacturers

<a href="https://www.we-online.com/catalog/en/SMSI_SMT_STEEL_SPACER_M3_THREAD_INTERNAL">https://www.we-online.com/catalog/en/SMSI_SMT_STEEL_SPACER_M3_THREAD_INTERNAL</a>	Wurth	Germany
<a href="https://aliexpress.ru/item/1005002383825135.html?sku_id=12000020450953128">https://aliexpress.ru/item/1005002383825135.html?sku_id=12000020450953128</a>	Fotsbon	China

## SMD NUT

9774025243R	SMTSO-M2-2.5
9774070151R	SMTSO-M2.5-7
9774025151R	SMTSO-M2.5-2.5
9774015151R	SMTSO-M2.5-1.5

**TYPE SMTSO ReelFast® SMT SPACERS/NUTS**



All dimensions are in inches.

Thread Size	Thru Hole +.004-.003	Type	Thread or Thru Hole Code	Length Code "L" ±.005 (Length code in 32nds of an inch)				Min. Sheet Thickness	A Max.	C Max.	E ±.005	OH Hole Size In Sheet +.000-.000	OD Min. Solder Pad
				.062	.125	.250	.375						
208-16 (#2-16)	—	SMTSO	265	2	4	8	12	.060	.060	.142	.219	.147	.244
112-40 (#4-40)	—	SMTSO	440	2	4	8	12	.060	.060	.161	.219	.166	.244
138-32 (#5-32)	—	SMTSO	532	2	4	8	12	.060	.060	.208	.281	.213	.306
154-32 (#8-32)	—	SMTSO	832	2	4	8	12	.060	.060	.245	.344	.25	.369
—	.116	SMTSO	116	2	4	8	12	.060	.060	.161	.219	.166	.244
—	.143	SMTSO	143	2	4	8	12	.060	.060	.208	.281	.213	.306

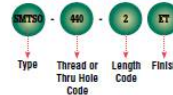
All dimensions are in millimeters.

Thread Size x Pitch	Thru Hole +0.10-0.08	Type	Thread or Thru Hole Code	Length Code "L" ±0.13 (Length code in millimeters)						Min. Sheet Thickness	A Max.	C Max.	E ±0.13	OH Hole Size In Sheet +0.08	OD Min. Solder Pad
				2	3	4	6	8	10						
M2 x 0.4	—	SMTSO	M2	2	3	4	6	8	10	1.53	1.53	3.6	5.96	3.73	6.2
M2.5 x 0.45	—	SMTSO	M2.5	2	3	4	6	8	10	1.53	1.53	4.09	5.96	4.22	6.2
M3 x 0.5	—	SMTSO	M3	2	3	4	6	8	10	1.53	1.53	4.09	5.96	4.22	6.2
M3.5 x 0.6	—	SMTSO	M3.5	2	3	4	6	8	10	1.53	1.53	5.28	7.14	5.41	7.77
M4 x 0.7	—	SMTSO	M4	2	3	4	6	8	10	1.53	1.53	6.22	8.74	6.36	9.37
—	3.6	SMTSO	3.6	2	3	4	6	8	10	1.53	1.53	5.28	7.14	5.41	7.77
—	4.2	SMTSO	4.2	2	3	4	6	8	10	1.53	1.53	6.22	8.74	6.36	9.37

**Number of Parts Per Reel / Pitch (mm) For Each Size**

Thread/Thru-Hole Size	Length Code						
	2	3	4	6	8	10	12
265, 440, 532, 116, 143	1500 / 12	—	1000 / 12	—	650 / 12	—	300 / 15
832	1100 / 15	—	800 / 15	—	500 / 15	—	300 / 15
M2, M2.5, M3, M3.5, 3.6	1500 / 12	1000 / 12	900 / 12	550 / 12	375 / 15	300 / 15	—
M4, 4.2	1100 / 15	800 / 15	575 / 15	500 / 15	375 / 15	300 / 15	—

**Part Number Designation**



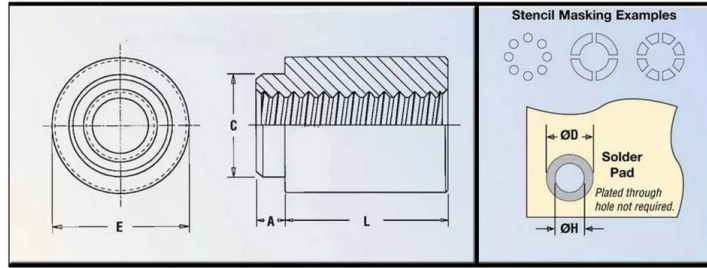
Packaged on 13" recyclable reels. Tape width is 24mm. Supplied with Kapton® path for vacuum pick up. Reels conform to EIA-481.

**MATERIAL:** Carbon Steel.

**STANDARD FINISH:** ET - Electro Plated Bright Tin, ASTM B 545, Class A W/ Clear Preservative Coating.

**OPTIONAL FINISH:** DT - Matte Electro-Tin ASTM B 545, Class A W/ Clear Preservative Coating, Annealed.

**THREADS:** Internal, ANSI B1.1 2B ANSI/ASME B1.13M, 6H

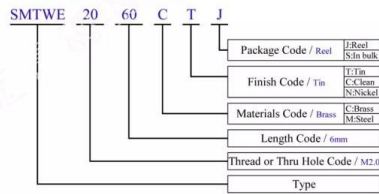


All dimensions are in millimeters.

Thread Size & Pitch	Thru Hole	Type	Thread or Thru Hole Code	Length Code "L" (0,1,3) (Length code in millimeters)																A	C	E	Ø H Hole Size in Sheet (0,05)	E D Min/Solder Pad		
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15								
M2.0 - 0.4	—	SMTW	20	1	1.0	2	2.5	3	3.5	4	4.5	5	6	7	8	—	—	—	—	—	1.00	2.8	4.35	3	5.3	
M2.5 - 0.45	—	SMTW	25	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	—	—	—	—	1.00	3.5	5.1	3.2	6	
M3.0 - 0.5	—	SMTW	30	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	11	12	13	14	15	1.00	4.2	6	4.4	7.4
M3.0 - 0.7	—	SMTW	30	1	—	2	—	3	—	4	—	5	6	7	8	10	11	12	13	14	15	1.00	5.2	8.2	5.4	9.4
—	2.25	SPTW	22	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	—	—	—	—	—	1.00	2.8	4.35	3	5.3
—	2.7	SPTW	27	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	—	—	—	—	—	1.00	2.8	5.1	3.2	6
—	3.3	SPTW	33	1	1.5	2	2.5	3	3.5	4	4.5	5	6	7	8	10	—	—	—	—	—	1.50	4.2	6	4.4	5.4
—	4.3	SPTW	43	1	—	2	—	3	—	4	—	5	6	7	8	10	—	—	—	—	—	1.75	5.2	8.2	5.4	9.4



**PART NUMBER DESIGNATION**



**Втулки, стойки**

RUICHI <https://ruelectronics.com/ustanovochnye-izdeliya/stojki-dlya-pechatnyh-plat/>

**Световоды**

«АЯК»:

<https://m-kontakt.ru/produkt/opoveschateli/svetovody>

**Тактовые кнопки**

RUICHI <https://ruelectronics.com/kommutatsiya/taktovye-knopki/>