



# Tomahawk



**Noise & Vibration Control Products**

Catalog: TM-TS-23B(2010.5)

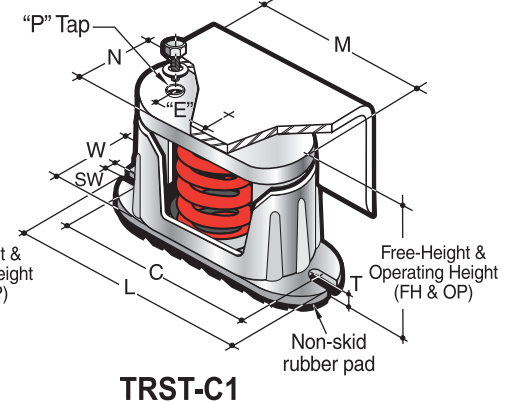
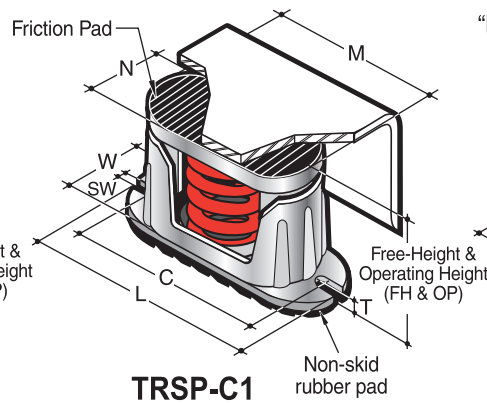
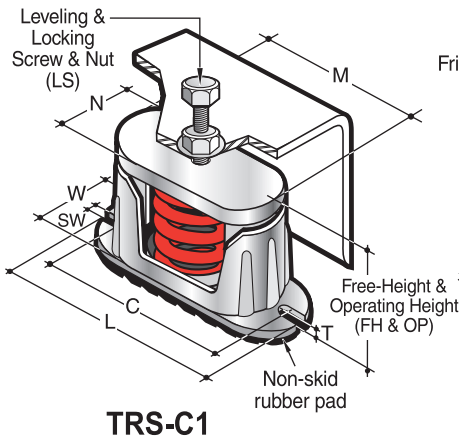
## Restrained Vibration Isolators

1-inch (25.4 mm) Deflection

- TRS-C1
- TRS-C2
- TRSP-C1
- TRSP-C2
- TRST-C1
- TRST-C2

**TRS** is housed & restrained spring mounting, the spring of which is laterally stable with a minimum horizontal stiffness of 0.8 times the rated vertical stiffness & with 50% overload capacity provides yet another vibration isolation solution to equipment with presence of horizontal load. The upper housing and the lower one are assembled into a telescoping housing complete with a top level adjustment bolt (model TRS) and a non-skid, noise breaking rubber base, together with resilient cushion inserts at both inner sides of the lower housing, preventing metal contact as well as serving horizontal load snubbing.

**TRS** is used when top access of Level Adjustment Bolt is possible while **TRSP** & **TRST** are two (2) variants to suit different mounting requirement. **TRSP** has Rubber Friction Pad bonded on top of upper housing when bolting of machine base is not called for. Level adjustment is by turning the Internal Level Adjustment Nut. **TRST** has an off-set tapped hole on top of upper housing for locking machine base to the mount. Like **TRSP** level adjustment is done by turning the Internal Adjustment Nut with an open wrench (spanner) clock-wise to load and level spring's (Free) & Operating Height.

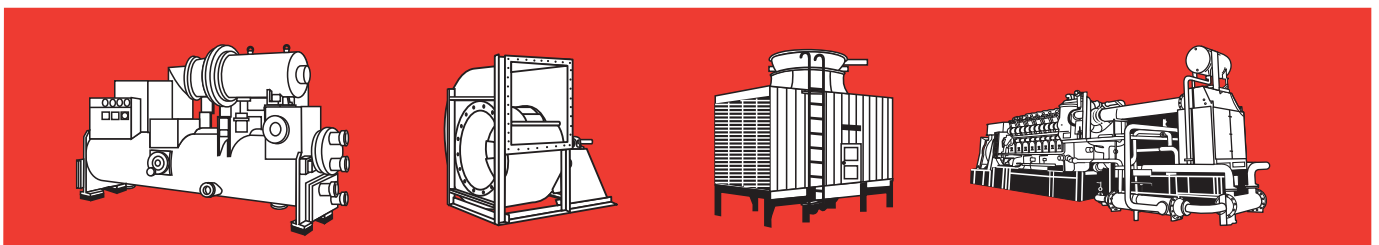


Model	Size	Rated Load (lbs.)	Rated Defl. (in.)	Spring Rate (lbs. / in.)	Color Code	Metric Units			Dimension (mm)								TRS/TRST Free Ht. & Op.Ht.	TRSP only Free Ht. & Op.Ht.	Weight (Kg)	
						Rated Load (Kg)	Rated Defl. (mm)	Spring Rate (Kg/mm)	L	W	C	M	N	T	LS	SW				
TRS-C1	530	530	1.42	373.24	red	240.47	36.1	6.67										150	157	5.8
	650	650	1.38	471.01	yellow	294.92	35.1	8.41										150	157	5.8
	750	750	1.18	635.59	orange	340.29	30.0	11.35										150	157	6.0
	900 <sup>*(1)</sup>	900	1.05	857.14	tan	408.35	26.7	15.31										150	157	6.3
TRSP-C1	1040	1040	1.00	1040.00	white	471.87	25.4	18.58										155	162	6.5
	1260 <sup>*(1)</sup>	1260	1.00	1260.00	green	571.69	25.4	22.51	225	90	195	170	90	18	M16 X 110Lg	12.5	155	162	6.5	
	1470	1470	1.00	1470.00	black	666.97	25.4	26.26									160	167	6.5	
	1720 <sup>*(1)</sup>	1720	1.00	1720.00	black+red	780.40	25.4	30.72									160	167	6.8	
TRST-C1	1900	1900	1.00	1900.00	yellow	862.07	25.4	33.94									160	167	6.5	
	2080 <sup>*(1)</sup>	2080	1.00	2080.00	black+blue	943.74	25.4	37.16									160	167	6.8	
	2330 <sup>*(1)</sup>	2330	1.00	2330.00	yellow+orange	1057.17	25.4	41.62									160	167	6.8	
	2510 <sup>*(1)</sup>	2510	1.00	2510.00	yellow+blue	1138.84	25.4	44.84									160	167	7.0	

For Model "TRST-C1" only

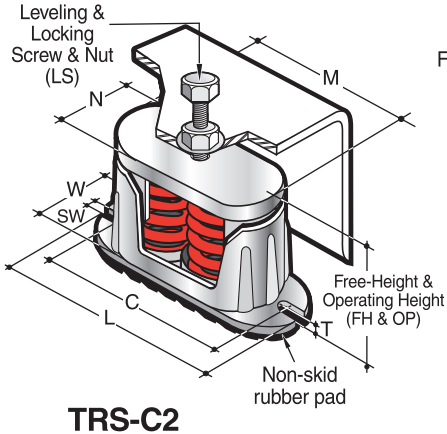
"P" Tap = M  
"E" = 30 mm

Specifications and content are subject to change without prior notice as technology advances.

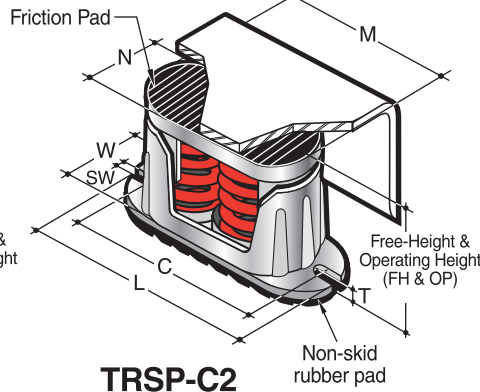


## Restrained Vibration Isolators

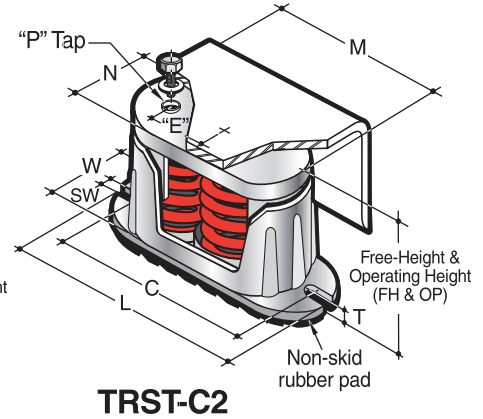
• TRS-C2 • TRSP-C2 • TRST-C2



TRS-C2



TRSP-C2



TRST-C2

Model	Size	Rated Load (lbs.)	Rated Defl. (in.)	Spring Rate (lbs./in.)	Color Code	Metric Units			Dimension (mm)							TRS/TRST Free Ht. & Op.Ht.	TRSP only Free Ht. & Op.Ht.	Weight (Kg)		
						Rated Load (Kg)	Rated Defl. (mm)	Spring Rate (Kg/mm)	L	W	C	M	N	T	LS				SW	*E
TRS-C2	1060	1060	1.42	746.48	red	480.94	36.1	13.35										155	162	8.3
	1300	1300	1.38	942.03	yellow	589.84	35.1	16.83										155	162	8.3
	1500	1500	1.18	1271.19	orange	680.58	30.0	22.71										155	162	8.0
	1800* <sup>(1)</sup>	1800	1.05	1714.29	tan	816.70	26.7	30.62										155	162	8.5
TRSP-C2	2080	2080	1.00	2080.00	white	943.74	25.4	37.16										160	167	8.9
	2520* <sup>(2)</sup>	2520	1.00	2520.00	green	1143.38	25.4	45.01	300	90	270	245	90	18	M16 X 110Lg	12.5	30	160	167	9.2
	2940	2940	1.00	2940.00	black	1333.94	25.4	52.52										165	172	9.3
	3440* <sup>(2)</sup>	3440	1.00	3440.00	black+red	1560.80	25.4	61.45										165	172	10.0
TRST-C2	3800	3800	1.00	3800.00	yellow	1724.14	25.4	67.88										165	172	9.5
	4160* <sup>(2)</sup>	4160	1.00	4160.00	black+blue	1887.48	25.4	74.31										165	172	10.0
	4660* <sup>(2)</sup>	4660	1.00	4660.00	yellow+orange	2114.34	25.4	83.24										165	172	10.0
	5020* <sup>(2)</sup>	5020	1.00	5020.00	yellow+blue	2277.68	25.4	89.67										165	172	10.0

\*Note : Dimension "E" is only available for TRST-C2

For Model "TRST-C2" only

"P" Tap = M  
"E" = 30 mm

**\*Notes:**

- (1) C1-1720i has a red inner spring in the big black spring. C1-2080i has a blue inner spring in the big black spring. C1-2330i has an orange inner spring in the big yellow spring. C1-2510i has a blue inner spring in the big yellow spring.
- (2) C2-3440 has a red inner spring in the big black spring. C2-4160 has a blue inner spring in the big black spring. C2-4660 has an orange inner spring in the big yellow spring. C2-5020 has a blue inner spring in the big yellow spring.

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## Installation & Operation

Tomahawk model: TRS-C1 & TRS-C2

TRS-C1 and TRS-C2 are Tomahawk's Housed single & two (2) spring mounts of which each has one upper and lower housing, assembled telescoping and with a top leveling adjustment bolt and a jam nut.

1. Unscrew top level adjustment bolt (come in assembled with unit) by turning counter-clock-wise, (CCW) from the mount.
2. Position machine base (leg frame) on top of the upper housing.
3. Align mounting hole of machine base with the tapped hole on the upper housing.
4. Pass through level adjustment bolt & turn Clock-Wise (CW) to load spring until desired level (height) is achieved. LEAVE THE JAM NUT LOOSE.
5. After completing level adjustment of all mounts, lock the jam nuts of mounts tight. (CW)
6. Bolt down the mounts to the floor or any fix plane. (Though it is not always required but advisable to do so)

