



Tomahawk



Rgn No : 180788
ISO 9001:2000 Certified

Restrained Vibration Isolator

1-inch Rated Deflection

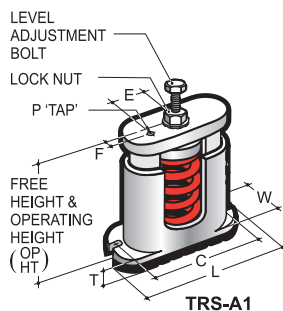
- TRS-A1 ● TRS-A2 ● TRSW-A1 ● TRSW-A2

Introducing.....

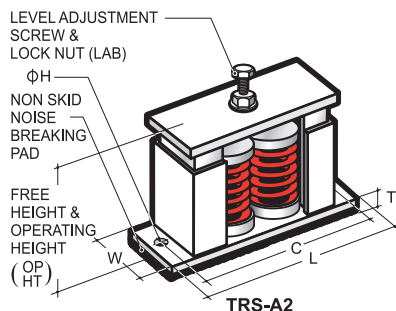
TRS-A is housed and restrained spring mount, the spring of which is free standing and laterally stable with spring outside diameter to loaded operating height ratio of minimum 0.80 and additional 50% deflection to solid from rated deflection, provide yet another vibration isolation solution to equipment with presence of horizontal load. The upper and the lower housings are assembled into a telescoping restrained unit, complete with a top level adjustment bolt, locking nut, a non-skid, noise breaking elastomer base, together with resilient cushion inserts at both inner sides of the lower housing, preventing metal-to-metal contact whilst serving horizontal load snubbing.

TRW-A is the identical sibling of TRS-A but with the additional side snubbers for further steady horizontal force snubbing purpose.

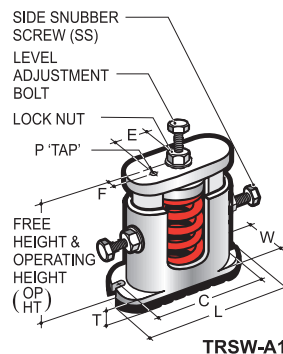
TRS-A (TRSW-A) is selected when top access with Level Adjustment Bolt is possible. **TRSP-A (TRSWP-A) & TRST-A (TRSWT-A)** are two (2) variants to provide different mounting requirement. **TRSP-A (TRSWP-A)** has Rubber Friction Pad bonded on top of upper housing when bolting of machine base is not called for. Level adjustment is by turning the Internal Level Adjustment Nut. **TRST-A (TRSWT-A)** has an off-set tapped hole on top of upper housing for locking machine base to the mount. Like **TRSP-A (TRSWP-A)** 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.



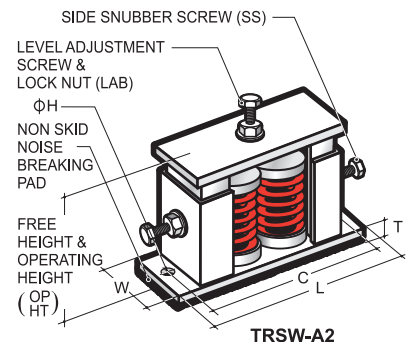
TRS-A1



TRS-A2



TRSW-A1



TRSW-A2

MODEL without side snubber	MODEL with side snubber	IMPERIAL UNITS			COLOR CODE	METRIC UNITS			DIMENSION (mm)										
		Rated Load (lbs.)	Rated Defl. (in.)	Spring Rate (lbs./in.)		Rated Load (kg)	Rated Defl. (mm)	Spring Rate (kg/mm)	OP/ HT	L	W	C	E	F	'P' TAP	T	phi H	LS*	SS
TRS-A1-25	TRSW-A1-25	25	1.35	18.52	green	11.3	34.3	0.33											
TRS-A1-36	TRSW-A1-36	36	1.30	27.69	blue	16.3	35.1	0.49											
TRS-A1-50	TRSW-A1-50	50	1.45	34.48	white	22.7	36.8	0.62											
TRS-A1-75	TRSW-A1-75	75	1.38	54.35	yellow	34.0	35.1	0.97											
TRS-A1-100	TRSW-A1-100	100	1.32	75.76	grey	45.4	33.5	1.35											
TRS-A1-125	TRSW-A1-125	125	1.25	100.00	orange	56.7	31.8	1.79											
TRS-A1-160	TRSW-A1-160	160	1.18	135.59	tan	72.6	30.0	2.42											
TRS-A1-190	TRSW-A1-190	190	1.12	169.64	dark green	86.2	28.4	3.03	130	170	62	145	25	15	M8	11	-	M10 X 50mm L	M8 X 20mm L
TRS-A1-210	TRSW-A1-210	210	1.10	190.91	red	95.3	27.9	3.41											
TRS-A1-270	TRSW-A1-270	270	1.08	250.00	dark blue	122.5	27.4	4.47											
TRS-A1-300	TRSW-A1-300	300	1.06	283.02	brown	136.1	26.9	5.06											
TRS-A1-325	TRSW-A1-325	325	1.04	312.50	grey	147.5	26.4	5.58											
TRS-A1-350	TRSW-A1-350	350	1.00	350.00	blue	158.8	25.4	6.25											
TRS-A1-425	TRSW-A1-425	425	1.00	425.00	orange	192.8	25.4	7.59											
TRS-A1-450	TRSW-A1-450	450	1.00	450.00	green	204.2	25.4	8.04											
TRS-A1-575	TRSW-A1-575	575	1.00	575.00	yellow	260.9	25.4	10.27											
TRS-A1-620	TRSW-A1-620	620	1.00	620.00	black	281.3	25.4	11.08											
TRS-A2-50	TRSW-A2-50	50	1.35	37.04	green	22.6	34.3	0.66											
TRS-A2-72	TRSW-A2-72	72	1.30	55.38	blue	32.6	35.1	0.98											
TRS-A2-100	TRSW-A2-100	100	1.45	68.97	white	45.4	36.8	1.23											
TRS-A2-150	TRSW-A2-150	150	1.38	108.70	yellow	68.1	35.1	1.94											
TRS-A2-200	TRSW-A2-200	200	1.32	151.52	grey	90.7	33.5	2.71											
TRS-A2-250	TRSW-A2-250	250	1.25	200.00	orange	113.4	31.8	3.57											
TRS-A2-320	TRSW-A2-320	320	1.18	271.19	tan	145.2	30.0	4.84											
TRS-A2-380	TRSW-A2-380	380	1.12	339.29	dark green	172.4	28.4	6.06											
TRS-A2-420	TRSW-A2-420	420	1.10	381.82	red	190.6	27.9	6.82	130	230	90	200	25	20	M10	16	16 ⁽³⁾	M12 X 50mm L	M10 X 25mm L
TRS-A2-540	TRSW-A2-540	540	1.08	500.00	dark blue	245.2	27.4	8.93											
TRS-A2-600	TRSW-A2-600	600	1.06	566.04	brown	272.2	26.9	10.11											
TRS-A2-650	TRSW-A2-650	650	1.04	625.00	grey	294.9	26.4	11.16											
TRS-A2-700	TRSW-A2-700	700	1.00	700.00	blue	317.6	25.4	12.50											
TRS-A2-850	TRSW-A2-850	850	1.00	850.00	orange	385.7	25.4	15.18											
TRS-A2-900	TRSW-A2-900	900	1.00	900.00	green	408.3	25.4	16.08											
TRS-A2-1150	TRSW-A2-1150	1150	1.00	1150.00	yellow	521.8	25.4	20.54											
TRS-A2-1240	TRSW-A2-1240	1240	1.00	1240.00	black	562.6	25.4	22.15											

Note: 1) TRS-A1, TRS-A2 and TRSW-A1, TRSW-A2 are identical except TRS-A1, TRSW-A2 are complete with side restrained snubber. TRS-A1, TRS-A2 are not.
2) TRS-A1 and TRS-A2 have no side snubbers. TRSW-A1 and TRSW-A2 are complete with side snubbers.
3) Rubber isolation bushings are provided for M12 bolt down screws preventing metal-to-metal contacts.

* LS = Level Adjustment Screw & Lock Nut



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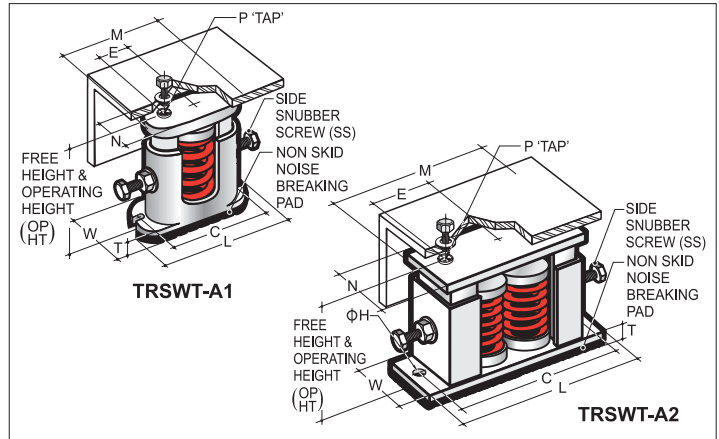
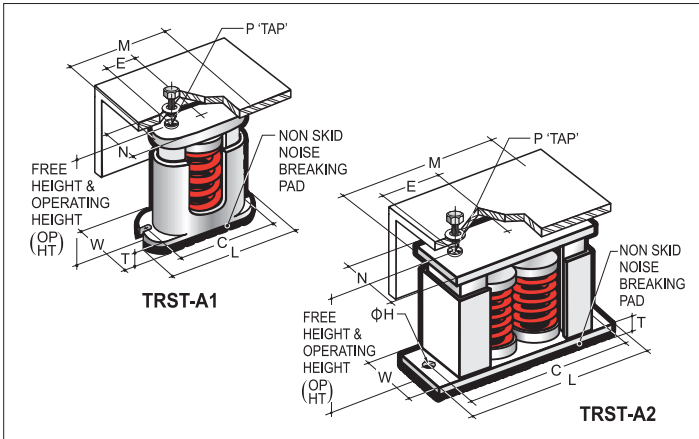
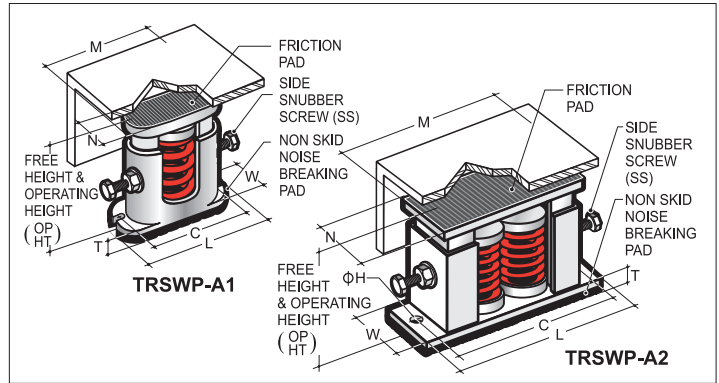
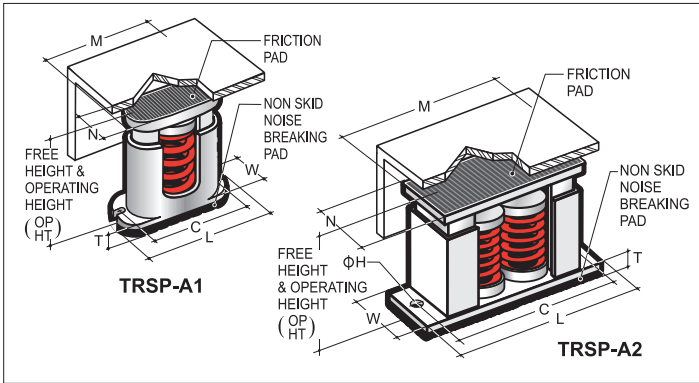


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Restrained Vibration Isolator

1-Inch Rated Deflection

• TRSP-A1 • TRSP-A2 • TRSWP-A1 • TRSWP-A2 • TRST-A1 • TRST-A2 • TRSWT-A1 • TRSWT-A2



MODEL without side snubber	MODEL with side snubber	MODEL without side snubber	MODEL with side snubber	IMPERIAL UNITS			COLOR CODE	METRIC UNITS			DIMENSION (mm)						
				Rated Load (lbs.)	Rated Defl. (in.)	Spring Rate (lbs./in.)		Rated Load (kg)	Rated Defl. (mm)	Spring Rate (kg/mm)	OP/ HT	L	W	C	M	N	T
TRSP-A1-25	TRSWP-A1-25	TRST-A1-25	TRSWT-A1-25	25	1.35	18.52	green	11.3	34.3	0.33							
TRSP-A1-36	TRSWP-A1-36	TRST-A1-36	TRSWT-A1-36	36	1.30	27.69	blue	16.3	33.0	0.49							
TRSP-A1-50	TRSWP-A1-50	TRST-A1-50	TRSWT-A1-50	50	1.45	34.48	white	22.7	36.8	0.62							
TRSP-A1-75	TRSWP-A1-75	TRST-A1-75	TRSWT-A1-75	75	1.38	54.35	yellow	34.0	35.1	0.97							
TRSP-A1-100	TRSWP-A1-100	TRST-A1-100	TRSWT-A1-100	100	1.32	75.76	grey	45.4	33.5	1.35							
TRSP-A1-125	TRSWP-A1-125	TRST-A1-125	TRSWT-A1-125	125	1.25	100.00	orange	56.7	31.8	1.79							
TRSP-A1-160	TRSWP-A1-160	TRST-A1-160	TRSWT-A1-160	160	1.18	135.59	tan	72.6	30.0	2.42							
TRSP-A1-190	TRSWP-A1-190	TRST-A1-190	TRSWT-A1-190	190	1.12	169.64	dark green	86.2	28.4	3.03	130	170	62	145	115	60	16
TRSP-A1-210	TRSWP-A1-210	TRST-A1-210	TRSWT-A1-210	210	1.10	190.91	red	95.3	27.9	3.41							
TRSP-A1-270	TRSWP-A1-270	TRST-A1-270	TRSWT-A1-270	270	1.08	250.00	dark blue	122.5	27.4	4.47							
TRSP-A1-300	TRSWP-A1-300	TRST-A1-300	TRSWT-A1-300	300	1.06	283.02	brown	136.1	26.9	5.06							
TRSP-A1-325	TRSWP-A1-325	TRST-A1-325	TRSWT-A1-325	325	1.04	312.50	grey	147.5	26.4	5.58							
TRSP-A1-350	TRSWP-A1-350	TRST-A1-350	TRSWT-A1-350	350	1.00	350.00	blue	158.8	25.4	6.25							
TRSP-A1-425	TRSWP-A1-425	TRST-A1-425	TRSWT-A1-425	425	1.00	425.00	orange	192.8	25.4	7.59							
TRSP-A1-450	TRSWP-A1-450	TRST-A1-450	TRSWT-A1-450	450	1.00	450.00	green	204.2	25.4	8.04							
TRSP-A1-575	TRSWP-A1-575	TRST-A1-575	TRSWT-A1-575	575	1.00	575.00	yellow	260.9	25.4	10.27							
TRSP-A1-620	TRSWP-A1-620	TRST-A1-620	TRSWT-A1-620	620	1.00	620.00	black	281.3	25.4	11.08							
TRSP-A2-50	TRSWP-A2-50	TRST-A2-50	TRSWT-A2-50	50	1.35	37.04	green	22.6	34.3	0.66							
TRSP-A2-72	TRSWP-A2-72	TRST-A2-72	TRSWT-A2-72	72	1.30	55.38	blue	32.6	33.0	0.98							
TRSP-A2-100	TRSWP-A2-100	TRST-A2-100	TRSWT-A2-100	100	1.45	68.97	white	45.4	36.8	1.23							
TRSP-A2-150	TRSWP-A2-150	TRST-A2-150	TRSWT-A2-150	150	1.38	108.70	yellow	68.1	35.1	1.94							
TRSP-A2-200	TRSWP-A2-200	TRST-A2-200	TRSWT-A2-200	200	1.32	151.52	grey	90.7	33.5	2.71							
TRSP-A2-250	TRSWP-A2-250	TRST-A2-250	TRSWT-A2-250	250	1.25	200.00	orange	113.4	31.8	3.57							
TRSP-A2-320	TRSWP-A2-320	TRST-A2-320	TRSWT-A2-320	320	1.18	271.19	tan	145.2	30.0	4.84							
TRSP-A2-380	TRSWP-A2-380	TRST-A2-380	TRSWT-A2-380	380	1.12	339.29	dark green	172.4	28.4	6.06							
TRSP-A2-420	TRSWP-A2-420	TRST-A2-420	TRSWT-A2-420	420	1.10	381.82	red	190.6	27.9	6.82	130	230	90	200	115	60	16
TRSP-A2-540	TRSWP-A2-540	TRST-A2-540	TRSWT-A2-540	540	1.08	500.00	dark blue	245.2	27.4	8.93							
TRSP-A2-600	TRSWP-A2-600	TRST-A2-600	TRSWT-A2-600	600	1.06	566.04	brown	272.2	26.9	10.11							
TRSP-A2-650	TRSWP-A2-650	TRST-A2-650	TRSWT-A2-650	650	1.04	625.00	grey	294.9	26.4	11.16							
TRSP-A2-700	TRSWP-A2-700	TRST-A2-700	TRSWT-A2-700	700	1.00	700.00	blue	317.6	25.4	12.50							
TRSP-A2-850	TRSWP-A2-850	TRST-A2-850	TRSWT-A2-850	850	1.00	850.00	orange	385.7	25.4	15.18							
TRSP-A2-900	TRSWP-A2-900	TRST-A2-900	TRSWT-A2-900	900	1.00	900.00	green	408.3	25.4	16.08							
TRSP-A2-1150	TRSWP-A2-1150	TRST-A2-1150	TRSWT-A2-1150	1150	1.00	1150.00	yellow	521.8	25.4	20.54							
TRSP-A2-1240	TRSWP-A2-1240	TRST-A2-1240	TRSWT-A2-1240	1240	1.00	1240.00	black	562.6	25.4	22.15							

Note: 1) TRSP-A1, TRSP-A2 and TRSWP-A1, TRSWP-A2 are identical except TRSWP-A1, TRSWP-A2 are complete with side restrained snubber. TRST-A1, TRST-A2 are not.

"P" Tap = M12 "E" = 30mm