

Noise & Vibration Control Products

Catalog: TM-TS-23A(2008.4)

## **Restrained Vibration Isolators**

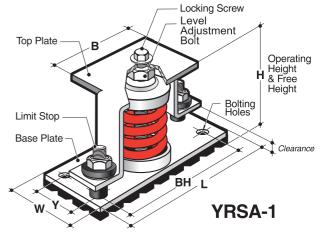
1-inch Deflection

YRSA-1YRSA-4

YRSA-2YRSA-6

YRSA restrained spring vibration isolators are the variants of Tomahawk "YDS-A" series mountings but complete with inverted U top plates, constrained by base plates with two bolts to prevent the springs from tipping over. Single as well as multiple spring mounts, YRSA comes in 1, 2, 4 and 6 springs in cluster, offering ample models/sizes to suit wide range of load capacities.

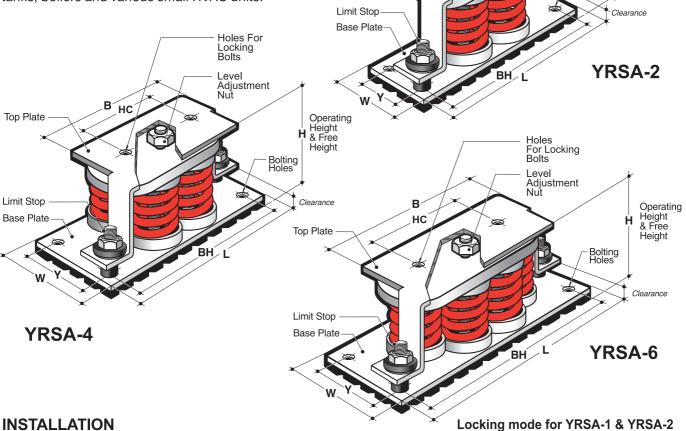
For stability all springs are designed to meet a minimum ratio of 0.80, the spring outside diameter (OD) to loaded operating height. Also a minimum 50% additional deflection from rated load before compression to solid is inherited in the design as over-load protection.



Model / Size	Rated Load (Ibs.)	Rated Defl. (in.)	Color Code	Spring Constant (Ibs./in.)	Dimension (mm)									
					OP HT	В	W	L	ВН	Locking Screw	Hole Dia. For Locking Bolt	Υ	НС	Bolting Holes
YRSA-1-25	25	1.35	green	18.52	120					M10 X 25L	2 X Ф14	36	NA	NA
YRSA-1-36	36	1.30	blue	27.69		76	60	145	120					
YRSA-1-50	50	1.45	white	34.48										
YRSA-1-75	75	1.38	yellow	54.35										
YRSA-1-100	100	1.32	grey	75.76										
YRSA-1-125	125	1.25	orange	100.00										
YRSA-1-160	160	1.18	tan	135.59										
YRSA-1-190	190	1.12	dark green	169.64										
YRSA-1-210	210	1.10	red	190.91										
YRSA-1-270	270	1.08	dark blue	250.00										
YRSA-1-300	300	1.06	brown	283.02										
YRSA-1-325	325	1.00	grey	325.00										
YRSA-1-350	350	1.00	blue	350.00										
YRSA-1-425	425	1.00	orange	425.00										
YRSA-1-450	450	1.00	green	450.00										
YRSA-1-575	575	1.00	yellow	575.00	125									
YRSA-2-540	540	1.08	dark blue	500.00	125	144	60	215	188	M10 X 25L	2 X Ф14	36	NA	NA
YRSA-2-600	600	1.06	brown	566.04										
YRSA-2-650	650	1.00	grey	650.00										
YRSA-2-700	700	1.00	blue	700.00										
YRSA-2-850	850	1.00	orange	850.00										
YRSA-2-900	900	1.00	green	900.00										
YRSA-2-1150	1150	1.00	yellow	1150.00										
YRSA-4-1080	1080	1.08	dark blue	1000.00	130	132	110	210	174	Recomm -ended M12 X 25L	2 Х Ф16	80	80	2 X Ф14
YRSA-4-1200	1200	1.06	brown	1132.08										
YRSA-4-1300	1300	1.00	grey	1300.00										
YRSA-4-1400	1400	1.00	blue	1400.00										
YRSA-4-1700	1700	1.00	orange	1700.00										
YRSA-4-1800	1800	1.00	green	1800.00										
YRSA-4-2300	2300	1.00	yellow	2300.00	135									
YRSA-6-1800	1800	1.06	brown	1698.11		235		300	270	Danamiii				2 X Ф14
YRSA-6-1950	1950	1.00	grey	1950.00	133		110			M12				
YRSA-6-2100	2100	1.00	blue	2100.00							2 X Ф16	80	136	
YRSA-6-2550	2550	1.00	orange	2550.00										
YRSA-6-2700	2700	1.00	green	2700.00										
YRSA-6-3450	3450	1.00	vellow	3450.00	138					ZJL				
11.07.00	0700	1.50	<b>y</b> = 10.11		100									

## **Restrained Vibration Isolators**

YRSA is recommended for equipment to be vibration free that prefer compact & short mounting height of vibration isolator units. Typically used on small generator sets, centrifugal fans, centrifugal pumps, small fire pumps (motor or engine driven), tanks, boilers and various small HVAC units.



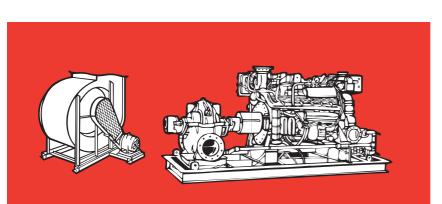
Top Plate

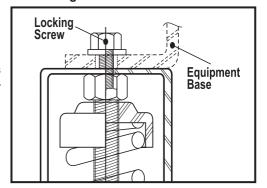
The 'Top Plate' of the mounting unit must be secured firmly (with screw bolts) to the equipment under isolation, with approximately (10 - 20 mm) clearance between flanges of 'Top Plate' and 'Base Plate'.

The limit stops shall ride freely through the clearance holes in the flanges of 'Top Plates'. Locking nuts and washers on limit stops to be loosened after proper installation and height leveling.

## **WEATHERPROOFING**

When required mounting units shall be hot-dipped galvanized when used outdoors or electroplated which is standard when used indoors.





Locking Screw Level Adjustment

> Operating Height & Free

Height

Bolting Holes

Bolt

Locking mode for YRSA-4 & YRSA-6

