



Tomahawk



Rgn No : 180788
ISO 9001:2000 Certified

Spring Vibration Isolators

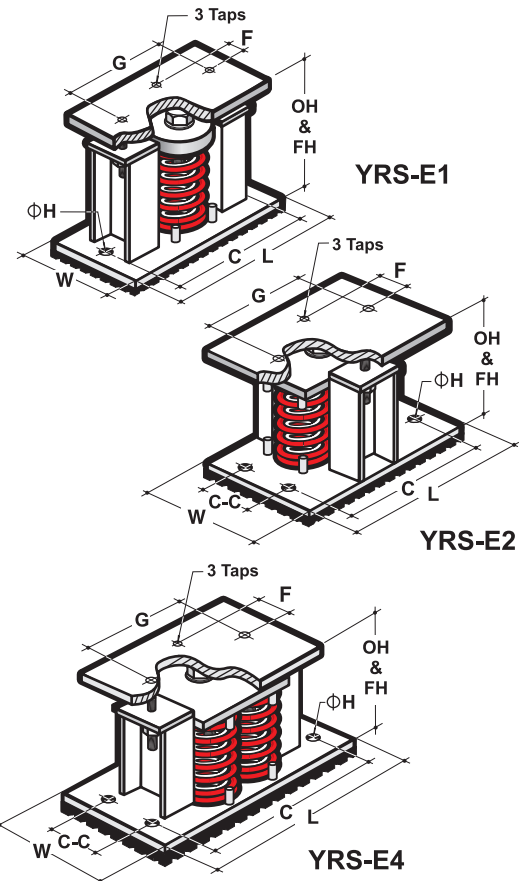
3-inch Rated Deflection

• YRS-E1 • YRS-E2 • YRS-E4

Tomahawk's 3-inch rated deflection, welded steel housing and restrained vibration isolators, YRS-E, consist of laterally stable, free standing, large diameter springs, with horizontal stiffness of at least 1.0 times the rated vertical stiffness with 50% overload capacity. The steel housing assemblies limit vertical movements of the equipment under isolation by the travel limit stop studs and the side support frames. The spring elements are assembled with top plate, spring mount plate, level adjustment nuts and base plate with acoustical pads. Bolting holes are provided in bottom base plate. Thanks for the high deflection (3-inch) design YRS-E models are typically recommended for equipment that undergo large amount of fluid load changes during service or maintenance near critical areas, such as chillers, boilers and cooling towers. For equipment installed in large floor span areas or on roof tops the 3-inch deflection YRS-E isolators are best suited to compensate for the deflection of the floor structure and resistance of strong wind load.

Specifications

Restraint vibration isolator shall be of welded steel housing assemblies and consist of top load plate, with travel limit studs, spring cap or spring mount plate, level adjusting nuts and base plate with acoustical pad. Bolting holes are provided in base plate. Steel housing assemblies, level adjust nuts, locking screws and washers shall be hot-dipped galvanized as standard. Springs shall be free standing, large diameter with horizontal stiffness of at least 1.0 times the rated vertical stiffness and provide 50% overload capacity. Springs shall be color epoxy powder coated for corrosion resistance and load identification.



MODEL	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)	L	W	C	C-C	F	G	OP/HT	Taps	ΦH
YRS-E1-200	200	3.00	66.67	green	66.7	76.2	0.87	250	100	210	-	35	100	260	3 x M12	2 x Φ16
YRS-E1-240	240	3.00	80.00	dark blue	80.0	76.2	1.05	250	100	210	-	35	100	260		
YRS-E1-300	300	3.00	100.00	white	100.0	76.2	1.31	250	100	210	-	35	100	260		
YRS-E1-400	400	3.00	133.33	dark green	133.3	76.2	1.75	250	100	210	-	35	100	260		
YRS-E1-450	450	3.00	150.00	yellow	150.0	76.2	1.97	250	100	210	-	35	100	260		
YRS-E1-500	500	3.00	166.67	red	166.7	76.2	2.19	250	100	210	-	35	100	260		
YRS-E1-600	600	3.00	200.00	tan	200.0	76.2	2.62	250	100	210	-	35	100	260		
YRS-E1-700	700	3.00	233.33	grey	233.3	76.2	3.06	250	100	210	-	35	100	260		
YRS-E1-800	800	3.00	266.67	green	266.7	76.2	3.50	280	130	240	-	35	100	290	3 x M12	2 x Φ16
YRS-E1-1150	1150	3.00	383.33	orange	383.3	76.2	5.03	280	130	240	-	35	100	290		
YRS-E1-1400	1400	3.00	466.67	black	466.7	76.2	6.12	280	130	240	-	35	100	290		
YRS-E1-1600	1600	3.00	533.33	brown	533.3	76.2	7.00	280	130	240	-	35	100	290		
YRS-E1-1900	1900	3.00	633.33	dark green	633.3	76.2	8.31	280	130	240	-	35	100	290		
YRS-E1-2500	2500	3.00	833.33	blue	833.3	76.2	10.94	280	130	240	-	35	100	290		
YRS-E1-2800	2800	3.00	933.33	red	933.3	76.2	12.25	300	160	260	130	50	100	330	3 x M12	6 x Φ16
YRS-E1-3000	3000	3.00	1000.00	dark blue	1000.0	76.2	13.12	300	160	260	130	50	100	330		
YRS-E1-3500i	3500	3.00	1166.67	d. blue + yellow	1166.7	76.2	15.31	300	160	260	130	50	100	330		
YRS-E1-4000	4000	3.00	1333.33	brown	1333.3	76.2	17.50	300	160	260	130	50	100	330		
YRS-E1-4500	4500	3.00	1500.00	black	1500.0	76.2	19.69	360	200	320	160	50	100	350	3 x M12	4 x Φ16
YRS-E1-5000	5000	3.00	1666.67	green	1666.7	76.2	21.87	360	200	320	160	50	100	350		
YRS-E1-5500	5500	3.00	1833.33	grey	1833.3	76.2	24.06	360	200	320	160	50	100	350		
YRS-E2-5600	5600	3.00	1866.67	red	1866.7	76.2	24.50	400	250	360	200	50	100	350	3 x M12	4 x Φ16
YRS-E2-6000	6000	3.00	2000.00	dark blue	2000.0	76.2	26.25	400	250	360	200	50	100	350		
YRS-E2-7000	7000	3.00	2333.33	d. blue + yellow	2333.3	76.2	30.62	400	250	360	200	50	100	350		
YRS-E2-8000	8000	3.00	2666.67	brown	2666.7	76.2	35.00	450	300	410	200	50	100	350	3 x M16	4 x Φ16
YRS-E2-9000	9000	3.00	3000.00	black	3000.0	76.2	39.37	450	300	410	200	50	100	350		
YRS-E2-10000	10000	3.00	3333.33	green	3333.3	76.2	43.74	450	300	410	200	50	100	350		
YRS-E2-11000	11000	3.00	3666.67	grey	3666.7	76.2	48.12	450	300	410	200	50	100	350		
YRS-E4-11200	11200	3.00	3733.33	red	3733.3	76.2	48.99	460	320	420	120	50	100	350	3 x M16	4 x Φ16
YRS-E4-12000	12000	3.00	4000.00	dark blue	4000.0	76.2	52.49	460	320	420	120	50	100	350		
YRS-E4-14000	14000	3.00	4666.67	d. blue + yellow	4666.7	76.2	61.24	460	320	420	120	50	100	350		
YRS-E4-16000	16000	3.00	5333.33	brown	5333.3	76.2	69.99	460	320	420	120	50	100	350		
YRS-E4-18000	18000	3.00	6000.00	black	6000.0	76.2	78.74	540	400	500	250	50	100	370	3 x M16	4 x Φ16
YRS-E4-20000	20000	3.00	6666.67	green	6666.7	76.2	87.49	540	400	500	250	50	100	370		
YRS-E4-22000	22000	3.00	7333.33	grey	7333.3	76.2	96.24	540	400	500	250	50	100	370		