Spring Vibration Isolators

2-inch Deflection

YDS-2A, YDS-2B, YDS-2C are Tomahawk's design of 2-inch (50mm) rated deflection free-standing, unhoused, single or multiple steel spring vibration isolators.

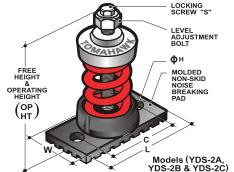
Same as YDS-A, B & C these isolators consist of spring mounting caps, assembled with level adjustment bolts and locking screw, color coded steel springs for easy load identification and one piece molded, non-skid noise breaking neoprene base.

A minimum ratio of 0.80, the spring outside diameter (OD) to loaded operating height is retained in the design for lateral stability. Though not all models have 50% additional deflection *1 to 7, they can be rated so by "down -rating the load and deflection" as per table below if contract specifiers do call for this requirement.

FREE-STANDING, UNHOUSED • YDS-2A • YDS-2B • YDS-2C **Multiple Spring Mounts**

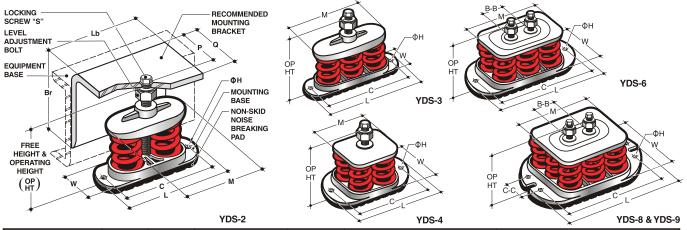
• YDS-2-2Cxxxx • YDS-3-2Cxxxx • YDS-8-2Cxxxx

 YDS-4-2Cxxxx YDS-9-2Cxxxx



an for this requirement.						YDS-2B & YDS-2C)								
Model / Size	Rated Load	Rated Defl.	Spring Constant	Spring Color	Rated Load	Rated Defl.	Spring Rated	Dimension (mm) OP Spring W						
	(lbs.)	(in.)	(lbs./in.)	Code	(Kg)	(mm)	(Kg/mm)	OP HT	O.D.	w	L	С	ФН	S
YDS-2A2e	2	2.24	0.89	black+red	0.91	56.90	0.016							
YDS-2A4e	4	2.16	1.85	red	1.82	54.86	0.033							
YDS-2A8e	8	2.16	3.70	tan	3.64	54.86	0.066							
YDS-2A10e	10	2.05	4.88	grey	4.55	52.07	0.087							
YDS-2A15e	15	2.05	7.32	orange	6.82	52.07	0.131							
YDS-2A20e	20	2.00	10.00	blue	9.09	50.80	0.179	138						M10
YDS-2A25e	25	2.00	12.50	yellow	11.36	50.80	0.224		-4	00	405	00	440	1
YDS-2A32e	32	2.00	16.00	brown	14.55	50.80	0.286		51	63	105	83	Ф10	X
YDS-2A37e	37	2.00	18.50	green	16.82	50.80	0.331							25Lg
YDS-2A53e	53	2.00	26.50	black	24.09	50.80	0.474							
YDS-2A70e	70	2.00	35.00	yellow	31.82	50.80	0.626							
YDS-2A85e	85	2.00	42.50	red	38.64	50.80	0.761							
YDS-2A105e	105	2.00	52.50	orange	47.73	50.80	0.940	140						
YDS-2A160e	160	2.00	80.00	blue		50.80	1.432	140						
	210		105.00		72.73			150						
YDS-2A210e		2.00		brown	95.45	50.80	1.879	150						
YDS-2A265e	265	2.00	132.00	green	120.45	50.80	2.371							
YDS-2B18	18	2.30	7.83	green	8.18	58.42	0.140							
YDS-2B25	25	2.20	11.36	red	11.36	55.88	0.203							
YDS-2B40	40	2.20	18.18	white+blue stripe	18.18	55.88	0.325							
YDS-2B60	60	2.15	27.91	blue	27.27	54.61	0.499							
YDS-2B85	85	2.08	40.87	yellow	38.64	52.83	0.731							
YDS-2B120	120	2.03	59.11	white	54.55	51.56	1.058	167						
YDS-2B150	150	2.00	75.00	brown	68.18	50.80	1.342							M10
YDS-2B200	200	2.00	100.00	orange	90.91	50.80	1.790		60	75	133	105	Ф13	Х
YDS-2B260	260	2.00	130.00	pink	118.18	50.80	2.326							25Lg
YDS-2B320	320	2.00	160.00	grey	145.45	50.80	2.863							Long
*(1) YDS-2B410	410	2.00	205.00	black	186.36	50.80	3.669							
* ⁽³⁾ YDS-2B500i	500	2.00	250.00	blk+yellow	227.27	50.80	4.474							
YDS-2B530	530	2.00	265.00	dark blue	240.91	50.80	4.742							
YDS-2B600i	600	2.00	300.00	d.blue+orgn	272.73	50.80	5.369	186						
YDS-2B650i	650	2.00	325.00	d.blue+red	295.45	50.80	5.816							
YDS-2B750i	750	2.00	375.00	d.blue+pink	340.91	50.80	6.711							
YDS-2C110	110	2.50	44.00	green	50.00	63.50	0.787							
YDS-2C155	155	2.40	64.58	pink	70.45	60.96	1.156							
YDS-2C200	200	2.35	85.11	grey	90.91	59.69	1.523	170						
YDS-2C260	260	2.25	115.56	brown	118.18	57.15	2.068							
YDS-2C340	340	2.20	154.55	blue	154.55	55.88	2.766							1 110
YDS-2C430	430	2.00	215.00	yellow	195.45	50.80	3.848		70		450	400	440	M10
YDS-2C500	500	2.00	250.00	red	227.27	50.80	4.474	178	73	88	152	120	Ф13	X
YDS-2C570	570	2.00	285.00	black	259.09	50.80	5.100							25Lg
*(2) YDS-2C765	765	2.00	382.50	orange	347.73	50.80	6.845							
*(4) YDS-2C850i	850	2.00	425.00	orgn+yellow		50.80	7.606	4.5.5						
* ⁽⁵⁾ YDS-2C930i	930	2.00	465.00	orgn+black	422.73	50.80	8.321	182						
*(6) YDS-2C1100i	1100	2.00	550.00	orange+red orgn+gold	500.00	50.80	9.843							
* ⁽⁷⁾ YDS-2C1220i	1220	2.00	610.00	orgin+gold	554.55	50.80	10.916							

Spring Vibration Isolators YDS-2C Multiple Spring Mounts (2-inch deflection)



Model Size Pate	1DS-2				* YDS-4 YDS-8 & YDS-9													
Vision V	Model / Size Lead Defi Spirity Color Bate			Spring Rated	` '						Recommended Mounting Bracket							
YDS-2-2C860	Wodel / Size			Code		OP HT	L	w	С	М	Фн	В-В	с-с	Lb	Br	Р	Q	S
YDS-2-2C860	YDS-2-2C520	520	2.25	brown	231.11													
YDS-2-2C11000 1000 2.00 red 500.00 black 270.00 black 570.00 orange 220 black 85 black 240 black 270.00 black 570.00 orange 220 black 570.00 orange 220 black 270.00 black 570.00 orange 220 black 280.00 orange 280	YDS-2-2C680	680	2.20		309.09													
YDS-2-2C1140 1140 2.00 black orange ange ange ange a yellow 570.00 220 280 85 240 200 2x 150 100 60 100 M12 you all all all all all all all all all al	YDS-2-2C860	860	2.00	yellow	430.00													
YDS-2-2C11530 1530 2.00 orange 765.00 220 85 240 200 \$\begin{center}{6}\) \$\delta \chi \text{M12}\$	YDS-2-2C1000	1000	2.00	red	500.00													Mag
YDS-2-2C1530 1530 2.00 orange + yellow orange + yellow orange + yellow orange + black orange + yellow orange + pold 1,220.00 850.00 orange + gold 1,220.00 VDS-2-2C2200 2200 2.00 orange + pold 1,220.00 VDS-2-2C2240 2400 2.00 orange + pold 1,220.00 VBS-3-2C1290 1290 2.00 orange + gold 1,220.00 VBS-3-2C1500 1500 2.00 orange + yellow 0 orange + pold 1,275.00 250 VBS-3-2C2550 2.00 orange + pold 1,275.00 250 250 250 2790 2.00 orange + pold 1,800.00 250 <td< td=""><td>YDS-2-2C1140</td><td>1140</td><td>2.00</td><td>black</td><td>570.00</td><td>220</td><td>280</td><td>85</td><td>240</td><td>200</td><td>2 x</td><td> _</td><td>_</td><td>150</td><td>100</td><td>60</td><td>100</td><td></td></td<>	YDS-2-2C1140	1140	2.00	black	570.00	220	280	85	240	200	2 x	_	_	150	100	60	100	
YDS-2-2C1860 1860 2.00 orange + black orange + red orange + red orange + gold 1,100.00 -	YDS-2-2C1530	1530	2.00	orange	765.00						Ψι4							
YDS-2-2C2200 2200 2.00 orange + red orange + gold 1,100.00 L I <t< td=""><td>YDS-2-2C1700</td><td>1700</td><td>2.00</td><td>orange + yellow</td><td>850.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	YDS-2-2C1700	1700	2.00	orange + yellow	850.00													
YDS-2-2C2440 2440 2.00 orange + gold 1,220.00 Image: Control of the property of th	YDS-2-2C1860	1860	2.00	orange + black	930.00													
YDS-3-2C1290 1290 2.00 yellow fed 645.00 red 750.00 black 855.00 orange 1,147.50 flag 225 310 85 280 240 2x - - 170 100 60 100 M12 y 30 Lg YDS-3-2C2595 2295 2.00 orange + yellow orange + red orange + yellow orange + yel	YDS-2-2C2200	2200	2.00	orange + red	1,100.00													
YDS-3-2C1500 1500 2.00 red 750.00 250.00 red 750.00 250.00 250.00 355.00 250.00	YDS-2-2C2440	2440	2.00	orange + gold	1,220.00													
YDS-3-2C1710	YDS-3-2C1290	1290	2.00	yellow	645.00													
YDS-3-2C2295 2295 2.00 orange yellow orange + yellow orange + black orange + yellow orange + pred orange + pre	YDS-3-2C1500	1500	2.00	red	750.00													
YDS-3-2C2550	YDS-3-2C1710	1710	2.00	black	855.00													
YDS-3-2C2790 Z790 Z00 orange + black 1,395.00 YDS-3-2C3300 3300 Z.00 orange + pold 1,800.00 YDS-3-2C3660 3600 Z.00 orange + gold 1,800.00 YDS-4-2C3280 3600 Z.00 orange + yellow 1,700.00 YDS-4-2C3400 3400 Z.00 orange + yellow 1,700.00 YDS-4-2C3400 4400 Z.00 orange + pold X X 30 YDS-4-2C4400 A400 Z.00 orange + pold Z.200.00 Orange + yellow YDS-4-2C4400 A400 Z.00 orange + pold Z.200.00 Orange + yellow YDS-6-2C4590 A590 Z.00 orange + yellow Orange + pold Z.295.00 YDS-6-2C5580 5580 Z.00 orange + pold Z.295.00 Orange + pold X X X X X X X X X	YDS-3-2C2295	2295	2.00	orange	1,147.50	225	210	05	200	240	2 x			170	100	60	100	l
YDS-3-2C2790	YDS-3-2C2550	2550	2.00	orange + yellow	1,275.00	223	310	65	200	240	Φ14	_		170	100	00	100	
YDS-3-2C3660 3600 2.00 orange + gold 1,800.00 Image: Control orange o	YDS-3-2C2790	2790	2.00	orange + black	1,395.00													
YDS-4-2C280	YDS-3-2C3300	3300	2.00	orange + red	1,650.00													
YDS-4-2C3060 3060 2.00 orange 1,530.00 250 170 20 170 20 150 100 150	YDS-3-2C3660	3600	2.00	orange + gold	1,800.00													
YDS-4-2C3400 3400 2.00 orange + yellow 1,700.00 250 240 170 200 170 2 t - - 200 150 100 150<	YDS-4-2C2280	2280	2.00	black	1,140.00													
YDS-4-2C3400 YDS-4-2C3720 3720 3700 2.00 orange + black YDS-4-2C3720 4400 200 orange + black 1,860.00 2,200.00 orange + black 2,200.00 orange + gold 2,440.00 1,860.00 2.00 orange + gold 2,200.00 orange + gold 2,440.00 250 240 170 200 170 Ф14 200 150 100 150 100 150 30 Lg 100 150 X 30 Lg YDS-6-2C3420 YDS-6-2C3420 YDS-6-2C5100 YDS-6-2C5580 5580 2.00 YDS-6-2C5580 YDS-6-2C7320 7320 2.00 orange + pold orange + gold Orange + pold Orange + gold Orange + go	YDS-4-2C3060	3060	2.00	orange	1,530.00													
YDS-4-2C3/20	YDS-4-2C3400	3400	2.00	orange + yellow	1,700.00	050		170		470				000	150	100	150	
YDS-4-2C4400	YDS-4-2C3720	3720	2.00	orange + black	1,860.00	250	240	170	200	170	Ψ14	_	_	200	150	100	150	
YDS-6-2C3420	YDS-4-2C4400	4400	2.00	orange + red	2,200.00													3
YDS-6-2C4590	YDS-4-2C4880	4880	2.00	orange + gold	2,440.00													
YDS-6-2C5100 5100 2.00 orange + yellow orange + yellow orange + yellow orange + plack orange + plack orange + plack orange + red orange + plack orange + pla	YDS-6-2C3420	3420	2.00	black	1,710.00													
YDS-6-2C5100	YDS-6-2C4590	4590	2.00	orange	2,295.00													2,4
YDS-6-2C5580 5580 2.00 orange + black orange + red orange + red orange + red orange + red orange + gold orange + red orange + gold ora	YDS-6-2C5100	5100	2.00	orange + yellow	,	050	000	105	000	٥٠٥	2 x			000	150	440	440	
YDS-6-2C7320 7320 2.00 orange + gold 3,660.00 Image: square of the control of	YDS-6-2C5580	5580	2.00	orange + black	2,790.00	250	290	165	260	250	Ф14	-	-	200	150	110	140	x
YDS-8-2C6800 6800 2.00 orange + yellow orange + yellow orange + red orange + gold orange + gold orange + yellow orange + gold orange + plack orange + gold orange + plack orange + plack orange + plack orange + gold orange + plack or	YDS-6-2C6600	6600	2.00	orange + red	3,300.00													30 Lg
YDS-8-2C7440	YDS-6-2C7320	7320	2.00	orange + gold	3,660.00													
YDS-8-2C7440 7440 2.00 orange + black orange + red orange + red orange + red orange + red orange + gold orang	YDS-8-2C6800	6800	2.00	orange + yellow	3,400.00													2 x
YDS-9-2C7650	YDS-8-2C7440	7440	2.00	orange + black	3,720.00	260	295	250	264	250	4 x	160	80	200	150	150	180	
YDS-9-2C7650 7650 2.00 orange + yellow 3,825.00 YDS-9-2C8370 8370 2.00 orange + black YDS-9-2C9900 9900 2.00 orange + red 4,950.00 260 295 250 264 250 4 x 014 160 80 200 150 150 180 20 20 20 20 20 20 20 20 20 20 20 20 20	YDS-8-2C8800	8800	2.00	orange + red	4,400.00	200		200			Ф14	100			.00	100	.00	
YDS-9-2C8370 8370 2.00 orange + black 7DS-9-2C9900 9900 2.00 orange + red 4,950.00 260 295 250 264 250 4 x 014 160 80 200 150 150 180 20 x 0150 150 180 20 x 0150 150 150 180 20 x 0150 150 150 150 150 150 150 150 150 15	YDS-8-2C9760	9760	2.00	orange + gold	4,880.00													30 Lg
YDS-9-2C8370 8370 2.00 orange + black 7DS-9-2C9900 9900 2.00 orange + red 4,950.00 260 295 250 264 250 4 x 4 x 4 160 80 200 150 150 180 20 x 150 180 x 150 180 20	YDS-9-2C7650	7650	2.00	orange + yellow	3,825.00													0
YDS-9-2C9900 9900 2.00 orange + red 4,950.00 260 293 250 264 250 Φ14 160 80 200 150 150 180 X	YDS-9-2C8370	8370	2.00	,	4,185.00	000	005	OF C	001	050	4 x	466	00	000	150	150	100	
	YDS-9-2C9900	9900	2.00	_	4,950.00	260	295	250	264	250	Ф14	160	80	200	150	150	180	х
	YDS-9-2C10980	10980	2.00															30 Lg

*Notes:(1) YDS-2B410 & YDS-2B500i only has a 40% additional deflection to solid.

- (2) YDS-2C765, YDS-2C850i, YDS-2C930i, YDS-2C1100i & YDS-2C1220i only has a 27% additional deflection to solid.
- (3) YDS-2B500i has a yellow spring inside.
- (4) YDS-2C850i has a yellow spring inside.
- (5) YDS-2C930i has a black spring inside.
- (6) YDS-2C1100i has a red spring inside.(7) YDS-2C1220i has a gold spring inside.

 $\underline{\text{If a FULL 50\% additional deflection is specified then use the "Down-Rated" ratings as shown following: }$

Model / Size	Down-Rated Capacity (lbs.)	Down-Rated Deflection (in.)									
YDS-2B410	383	1.87									
YDS-2B500i	467	1.87									
YDS-2C765	660	1.69									
YDS-2C850i	719	1.69									
YDS-2C930i	800	1.69									
YDS-2C1100i	945	1.69									
YDS-2C1220i	1050	1.69									