

Enidine Innovations

ENIDINE STEELPAW™ COMPACT ROPE ISOLATOR SERIES



Features

- Load capacities per isolator ranging from 0.1 to 74 lbs (45g to 34Kg)
- Small size permits isolation of individual system components.
- Unique design provides a cost effective solution.
- Simplified mounting reduces assembly time.
- Symmetrical design provides consistent, multi-axis isolation.
- Consistent operation at temperature extremes [150°F to 500°F (-100°C to 260°C)]
- Readily conform to numerous military and industry standards

For the best in vibration isolation capabilities, choose Enidine's new SteelPaw™, Compact Rope Isolator Series. Smaller than traditional isolators, these unique Isolators provide simultaneous shock and vibration attenuation where sway and package space is a premium. They are ideal for lightweight applications, such as:

- Disk drives
- Medical equipment
- Sensitive mobile electronic
- Electronic cabinets
- Small pumps & motors
- Shipping of sensitive items
- Other light weight applications

The all-metal design of the Compact Rope Isolators provide unsurpassed multi-axis isolation. Compact Rope Isolators require no

maintenance and are especially suitable for hostile environments, and is unaffected by chemicals, oils, ozone and abrasives.

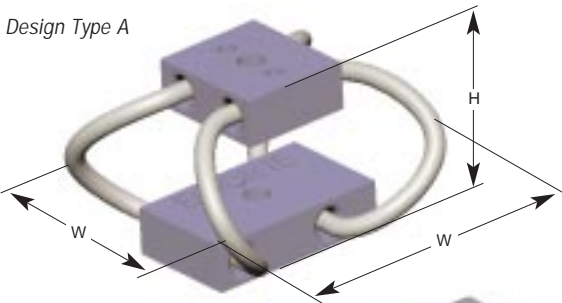
Don't let shock and vibration cause premature equipment failure or costly downtime. With 80 standard models to choose from, Compact Rope Isolators provide a wide range of solutions. If your application is outside the standard product range, Enidine engineers will custom design an isolator to suit your specifications.

ENIDINE

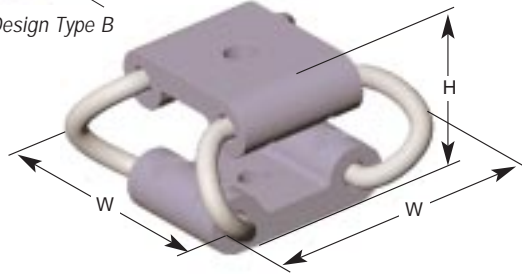
An IMC Company

COMPACT ROPE IMPERIAL DIMENSIONS

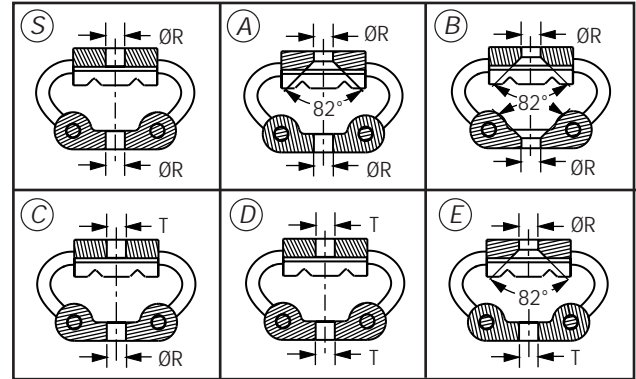
Design Type A



Design Type B



MOUNTING OPTIONS



Standard Materials & Finishes

Cable – Stranded Stainless Steel

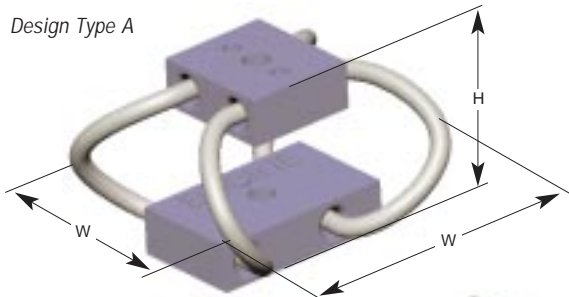
Retaining Bars – Aluminum Alloy, Alodine Protected

Consult Enidine if other materials/finishes are required.

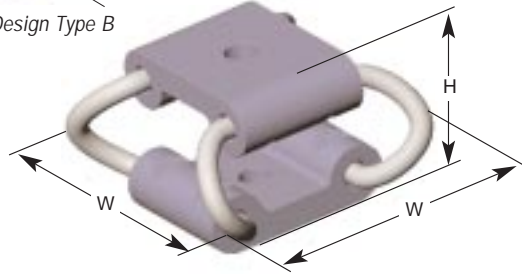
Design Type	Model Number	Size	Dimensions					Maximum Displacement			Maximum Force		
			Wire Diameter	Height in	Width in	Thread	Thru hole in	Compress in	45 Compr. in	Shear in	Compress lbs	45 Compr. lbs	Shear lbs
A	CR 1	100	3/64"	0.5	0.78	#4-40	0.13	0.18	0.25	0.18	3	2.1	3
	CR 1	200	3/64"	0.62	0.84	#4-40	0.13	0.30	0.42	0.30	2.4	1.7	2.4
	CR 1	300	3/64"	0.75	0.97	#4-40	0.13	0.43	0.60	0.43	1.8	1.1	1.8
	CR 1	400	3/64"	0.9	1.1	#4-40	0.13	0.58	0.82	0.58	1.5	0.9	1.5
	CR 2	100	1/16"	0.5	0.78	#4-40	0.13	0.18	0.25	0.24	5.0	4.2	4.2
	CR 2	200	1/16"	0.62	0.84	#4-40	0.13	0.30	0.42	0.33	4.0	3.4	3.8
	CR 2	300	1/16"	0.75	0.97	#4-40	0.13	0.43	0.60	0.43	3.0	2.3	2.8
	CR 2	400	1/16"	0.9	1.1	#4-40	0.13	0.58	0.82	0.58	2.5	2.0	2.3
	CR 3	100	3/32"	0.62	0.84	#4-40	0.13	0.24	0.34	0.30	13	9	12
	CR 3	200	3/32"	0.75	0.97	#4-40	0.13	0.37	0.52	0.40	11	8	10
	CR 3	300	3/32"	0.9	1.1	#4-40	0.13	0.52	0.73	0.56	8	5	7
	CR 3	400	3/32"	1.1	1.25	#4-40	0.13	0.72	1.01	0.76	7	4	7
B	CR 4	100	1/8"	1.5	2.0	#10-32	0.23	0.6	0.9	0.7	20	13	20
	CR 4	200	1/8"	1.9	2.3	#10-32	0.23	1.0	1.4	1.1	15	11	15
	CR 4	300	1/8"	2.2	2.5	#10-32	0.23	1.3	1.9	1.4	9.5	9	13
	CR 4	400	1/8"	2.8	2.9	#10-32	0.23	1.9	2.7	2.0	7.5	7	11
	CR 5	100	5/32"	1.5	2.0	#10-32	0.23	0.6	0.9	0.7	36	25	36
	CR 5	200	5/32"	1.9	2.3	#10-32	0.23	1.0	1.4	1.1	29	20	29
	CR 5	300	5/32"	2.2	2.5	#10-32	0.23	1.3	1.9	1.4	24	16	24
	CR 5	400	5/32"	2.9	2.9	#10-32	0.23	2.0	2.8	2.1	18	11	18
	CR 6	100	3/16"	1.7	2.2	#10-32	0.23	0.8	1.2	0.9	65	45	62
	CR 6	200	3/16"	2.0	2.3	#10-32	0.23	1.1	1.6	1.2	60	40	58
	CR 6	300	3/16"	2.3	2.6	#10-32	0.23	1.4	2.0	1.5	49	33	47
	CR 6	400	3/16"	2.9	3.0	#10-32	0.23	2.0	2.8	2.1	35	24	33
	CR 8	100	1/4"	2.2	2.8	.1/4-20	0.28	0.9	1.2	0.9	92	60	90
	CR 8	200	1/4"	2.5	3.0	.1/4-20	0.28	1.2	1.7	1.2	81	53	80
	CR 8	300	1/4"	2.8	3.2	.1/4-20	0.28	1.5	2.1	1.6	67	45	65
	CR 8	400	1/4"	3.4	3.6	.1/4-20	0.28	2.1	2.9	2.2	47	32	45
	CR 8	500	1/4"	4.0	4.1	.1/4-20	0.28	2.7	3.8	2.8	37	27	35
	CR 9	100	9/32"	2.2	2.8	.1/4-20	0.28	0.9	1.2	0.9	145	97	144
	CR 9	200	9/32"	2.5	3.0	.1/4-20	0.28	1.2	1.7	1.2	127	85	125
	CR 9	300	9/32"	2.9	3.2	.1/4-20	0.28	1.6	2.2	1.7	105	69	103
CR 9	400	9/32"	3.4	3.6	.1/4-20	0.28	2.1	2.9	2.2	78	51	77	
CR 9	500	9/32"	4.2	4.1	.1/4-20	0.28	2.9	4.0	3.0	65	42	63	
CR 10	100	5/16"	2.4	3.1	.1/4-20	0.28	1.1	1.5	1.1	226	150	223	
CR 10	200	5/16"	2.9	3.3	.1/4-20	0.28	1.6	2.2	1.6	204	135	201	
CR 10	300	5/16"	3.4	3.6	.1/4-20	0.28	2.1	2.9	2.2	168	110	168	
CR 10	400	5/16"	4.1	4.1	.1/4-20	0.28	2.8	3.9	2.9	123	83	120	
CR 10	500	5/16"	4.5	4.5	.1/4-20	0.28	3.2	4.5	3.3	100	68	100	

COMPACT ROPE METRIC DIMENSIONS

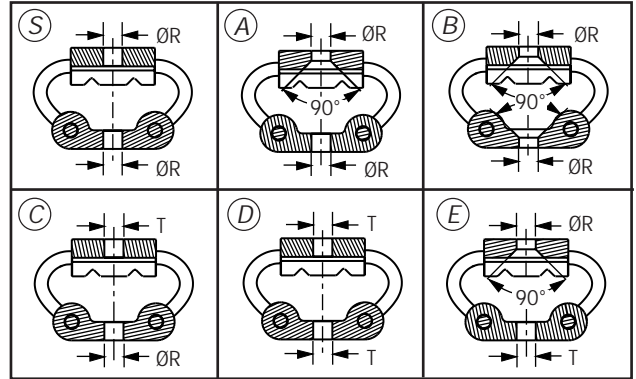
Design Type A



Design Type B



MOUNTING OPTIONS



Standard Materials & Finishes

Cable – Stranded Stainless Steel

Retaining Bars – Aluminum Alloy, Alodine Protected

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Design Type	Model Number	Size	Dimensions					Maximum Displacement			Maximum Force		
			Wire Dia mm	Height mm	Width mm	Thread	Thru hole mm	Compress mm	45 Compr. mm	Shear mm	Compress N	45 Compr. N	Shear N
A	CR 1	100	1.2	13	20	M4	4.5	4.6	6.4	4.6	13	9	13
	CR 1	200	1.2	16	21	M4	4.5	7.6	10.7	7.6	11	8	11
	CR 1	300	1.2	19	25	M4	4.5	10.9	15.4	10.9	8	5	8
	CR 1	400	1.2	23	28	M4	4.5	14.7	20.7	14.7	7	4	7
	CR 2	100	1.6	13	20	M4	4.5	4.6	6.4	6.1	22	19	19
	CR 2	200	1.6	16	21	M4	4.5	7.6	10.7	8.4	18	15	17
	CR 2	300	1.6	19	25	M4	4.5	10.9	15.4	10.9	13	10	12
	CR 2	400	1.6	23	28	M4	4.5	14.7	20.7	14.7	11	9	10
	CR 3	100	2.4	16	21	M4	4.5	6.1	8.6	7.6	58	40	53
	CR 3	200	2.4	19	25	M4	4.5	9.4	13.2	10.2	49	36	45
	CR 3	300	2.4	23	28	M4	4.5	13.2	18.6	14.2	36	22	31
	CR 3	400	2.4	28	32	M4	4.5	18.3	25.7	19.3	31	18	31
B	CR 4	100	3.2	38	51	M6	7.0	15.7	22.1	17.0	89	58	89
	CR 4	200	3.2	48	58	M6	7.0	25.9	36.4	28.4	67	49	67
	CR 4	300	3.2	56	64	M6	7.0	33.5	47.1	36.1	42	40	58
	CR 4	400	3.2	71	74	M6	7.0	48.8	68.5	51.3	33	31	49
	CR 5	100	4	38	51	M6	7.0	15.7	22.1	17.0	160	111	160
	CR 5	200	4	48	58	M6	7.0	25.9	36.4	28.4	129	89	129
	CR 5	300	4	56	64	M6	7.0	33.5	47.1	36.1	107	71	107
	CR 5	400	4	71	74	M6	7.0	51.3	72.1	53.8	80	49	80
	CR 6	100	5	43	56	M6	7.0	20.8	29.3	22.1	289	200	276
	CR 6	200	5	51	58	M6	7.0	28.4	40.0	31.0	267	178	258
	CR 6	300	5	58	66	M6	7.0	36.1	50.7	38.6	218	147	209
	CR 6	400	5	74	76	M6	7.0	51.3	72.1	53.8	156	107	147
	CR 8	100	6.4	56	71	M8	8.8	22.4	31.4	23.6	409	267	401
	CR 8	200	6.4	64	76	M8	8.8	30.0	42.1	31.2	360	236	356
	CR 8	300	6.4	71	81	M8	8.8	37.6	52.8	41.4	298	200	289
	CR 8	400	6.4	86	91	M8	8.8	52.8	74.3	56.6	209	142	200
	CR 8	500	6.4	102	104	M8	8.8	68.1	95.7	71.9	165	120	156
	CR 9	100	7	56	71	M8	8.8	22.4	31.4	23.6	645	432	641
	CR 9	200	7	64	76	M8	8.8	30.0	42.1	31.2	565	378	556
	CR 9	300	7	74	81	M8	8.8	40.1	56.4	43.9	467	307	458
	CR 9	400	7	86	91	M8	8.8	52.8	74.3	56.6	347	227	343
	CR 9	500	7	107	104	M8	8.8	73.2	102.8	77.0	289	187	280
	CR 10	100	8	61	79	M8	8.8	27.4	38.6	28.7	1006	668	992
	CR 10	200	8	74	84	M8	8.8	40.1	56.4	41.4	908	601	894
CR 10	300	8	86	91	M8	8.8	52.8	74.3	56.6	748	490	748	
CR 10	400	8	104	104	M8	8.8	70.6	99.2	74.4	547	369	534	
CR 10	500	8	114	114	M8	8.8	80.8	113.5	84.6	445	303	445	

Patent Pending

Note: Data is for reference only. Consult Endine for sizing and selection.

C O M P A C T R O P E A P P L I C A T I O N S

Cockpit Instrumentation



Disk Drives



Medi-vac On-board Equipment



Flat-panel Display



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