

INTRODUCTION

Hydra-Zorb Co. has been the leader in the strut mounted clamp market for over 40 years, offering a wide variety of solutions when shock, vibration and corrosion are a problem. Our strut mounted cushion clamps are classified for use in air-handling systems. As the originator of the cushion clamp assembly, Hydra-Zorb is the name to request in the fluid power, pneumatic, refrigeration and HVAC industries.



Hydra-Zorb cushion clamps and Modu-Stak clamps:

- Cushion material is a thermoplastic elastomer rated from -65°F to +275°F.
- Resist most fuels, oils, gases, greases, solvents, mineral acids and other harsh materials.
- Allow fluid conductors to be added or removed from installations without disturbing adjacent lines.
- Permit various size lines to be mixed to suit installation.
- All metal components have a Tri-Valent (non-hex) plating.
- Provide fast and simple installation. Only one man and one tool needed for assembly after base channel is in place.
- Available in 304 and 316 stainless steel. Aluminum offered for special orders.





STRUT MOUNTED CUSHION CLAMP ASSEMBLY NUMBERS

Ordering is simple. First, you must know if you require tube or pipe series. Second, the size of the line to be clamped. That's it.



All standard clamp assemblies consist of a 6-digit part number. A complete listing of part numbers for the pipe and tube series is listed on pages 4 and 5. The clamp assemblies are listed by series 100 and 200 as shown:

100 – tube (O.D. tube)
200 – pipe (Nominal pipe)

The cushion size is indicated by decimal inch. The example will show how to order both tube and pipe series.

E X A M P L E

Ordering a 3/4" O.D. tube assembly

100 075
series decimal
inch

Ordering a 2 1/2" nominal pipe assembly

200 250
series decimal
inch

All standard strut
mounted cushion clamps
have the following
features:

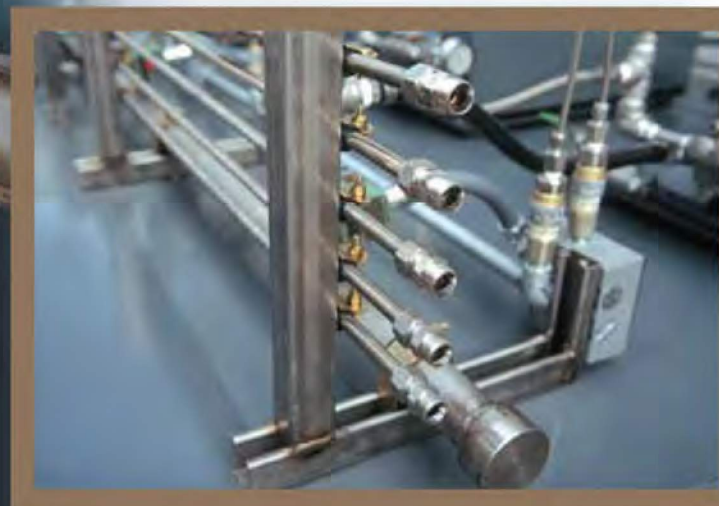
- Cushion material is a thermoplastic elastomer rated from -65°F to +275°F.
- Clamps are 1008-1010 carbon steel.
- Studs are projection welded.
- Nylon insert locknut.
- All metal components have a Tri-Valent (non-hex) plating.

ADDITIONAL MATERIALS

Most commonly requested material for special applications.

Just add one of the following suffix numbers to your 6-digit part number.

series	decimal inch		
_____	_____	- 4 - 555	304 stainless steel clamps 304 stainless stud (welded) 304 locknut
_____	_____	- 4 - 565	304 stainless steel clamps 316 hex head bolt (loose) 304 locknut
_____	_____	- 4 - 655	316 stainless steel clamps 304 stainless stud (welded) 304 locknut
_____	_____	- 4 - 666	316 stainless steel clamps 316 hex head bolt (loose) 316 locknut
_____	_____	- 4 - 865	aluminum (5052) clamps 316 hex head bolt (loose) 304 locknut

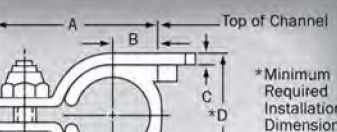




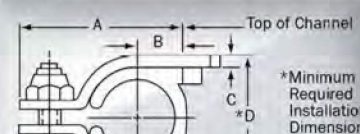
CUSHION CLAMP ASSEMBLIES

ENGINEERING INFORMATION & PIPING SELECTION CHART

TUBE

Tube Outside Diameter	.250	.312	.375	.470	.500	.625	.750	.875	1.000	1.125	1.190	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.375	2.500	2.625	3.000	3.125	3.625	4.125	5.125	6.125	
Clamp Assembly Part Number	100025	100031	100037	100047	100050	100062	100075	100087	100100	100112	100119	100125	100137	100150	100162	100175	100187	100200	100212	100225	100237	100251	100262	100300	100312	100362	100412	100512	100612	
Quantity Per Box	24	24	24	24	24	24	24	24	12	12	12	12	12	12	12	12	12	12	Each	Each	Each	Each	Each	Each	Each	Each	Each	Each	Each	
ACR Tube			■	■	■	■	■	■		■			■		■				■		■		■		■	■	■	■	■	■
Refrigeration Serv.	■	■	■	■	■	■	■	■		■			■		■															
Type "K" Copper			■	■	■	■	■	■		■			■		■				■				■		■	■	■	■	■	■
Type "L" Copper			■	■	■	■	■	■		■			■		■				■				■		■	■	■	■	■	■
Type "M" Copper			■	■	■	■	■	■		■			■		■				■				■		■	■	■	■	■	■
Steel	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Stainless Steel	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Aluminum			■		■	■	■	■	■			■		■				■	■			■	■		■	■	■	■	■	■
PB			■		■	■		■		■			■		■				■				■		■	■	■	■	■	■
PVC			■			■		■		■			■		■			■					■		■	■	■	■	■	■
CPVC			■		■	■		■		■			■					■					■		■	■	■	■	■	■
PE			■			■		■		■			■		■				■				■		■	■	■	■	■	■
 *Minimum Required Installation Dimension	A	1.11	1.24	1.24	1.36	1.36	1.50	1.78	1.91	2.03	2.16	2.30	2.30	2.75	2.75	3.03	3.03	3.28	3.28	3.53	3.78	3.78	4.03	4.03	4.52	4.52	5.03	5.66	6.75	7.75
	B	.22	.28	.28	.34	.34	.41	.53	.58	.66	.72	.72	.78	.84	.91	.97	1.03	1.16	1.16	1.28	1.41	1.41	1.53	1.53	1.78	1.78	2.03	2.34	2.81	3.31
	C	.075	.075	.075	.075	.075	.075	.075	.075	.105	.105	.105	.105	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119	.119
	*D	.62	.75	.75	.87	.87	1.00	1.33	1.45	1.66	1.79	1.92	1.92	2.22	2.22	2.47	2.47	2.47	2.72	2.97	3.22	3.22	3.47	3.47	3.97	3.97	4.47	5.09	6.25	7.50

PIPE

Nominal Pipe Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6
Pipe O.D.	.54	.675	.84	1.05	1.315	1.66	1.90	2.375	2.875	3.5	4.0	4.5	5.563	6.625
Clamp Assembly Part Number	200025	200037	200050	200075	200100	200125	200150	200200	200250	200300	200350	200400	200500	200600
Quantity Per Box	24	24	24	12	12	12	12	Each	Each	Each	Each	Each	Each	Each
Carbon Steel 5S, 10S, 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Stainless 5S, 10S, 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Red & Yellow Brass & Copper	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Aluminum 5S, 10S, 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PVC 48, 80 & 120	■	■	■	■	■	■	■	■	■	■	■	■	■	■
CPVC 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PE 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PP 40 & 80	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PVDF 80		■	■	■	■	■	■	■	■	■	■	■	■	■
PB 40		■	■	■	■	■	■	■	■	■	■	■	■	■
ABS 40 & 80		■	■	■	■	■	■	■	■	■	■	■	■	■
Fiberglass			■	■	■	■	■	■	■	■	■	■	■	■
 *Minimum Required Installation Dimension	A	1.41	1.59	1.91	2.16	2.87	3.03	3.28	3.78	4.27	4.91	5.53	6.03	7.03
	B	.37	.45	.59	.72	.89	1.03	1.16	1.41	1.66	1.97	2.28	2.53	3.03
	C	.075	.075	.075	.105	.119	.119	.119	.119	.119	.119	.119	.119	.119
	*D	.91	1.07	1.45	1.79	2.22	2.47	2.47	3.22	3.72	4.36	4.97	5.47	6.47

For hoses: measure hose outside diameter and select nearest o.d. size