

**Support it
in Style
on an**

**OmniMount®
System!**



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What it's made of and How it works...

- ▶ **Polymer Ball**—This is the “heart” of the OmniMount System. A lot of R&D has gone into this proprietary compound. Extremely high tensile strength and unique compression-set are among its secrets.

Clamp Assembly—(Made of die cast aluminum aircraft alloy)—is comprised of the clamp plate and jaw.

- ▶ **Jaw**—(Movable part of Clamp Assembly).

- ▶ **Clamp Plate**—(Stationary part of Clamp Assembly). When the tension bolt is tightened, the clamp plate and jaw compress around the ball, locking in the chosen angle of adjustment.

- ▶ **Steel “Capture Ring,”™**—The ring is electro-welded to the tube at an eccentric angle. The ring and tube-end is then immersed in a thermally reactive chemical adhesive.

When molded, the ball is mechanically captured by the welded ring and bonded by the adhesive. This “triple positive lock” (thermal, chemical and mechanical) ensures that the ball cannot separate from the tube.

- ▶ **Spherical cavities**—Designed into the clamp assembly, the cavities have internal “teeth” that bite into ball during the tightening process. This helps hold the object at the chosen angle of adjustment.

- ▶ **Tension Bolt**—(Grade 8 hardened steel) this bolt and the cap nut are recessed for a clean look.

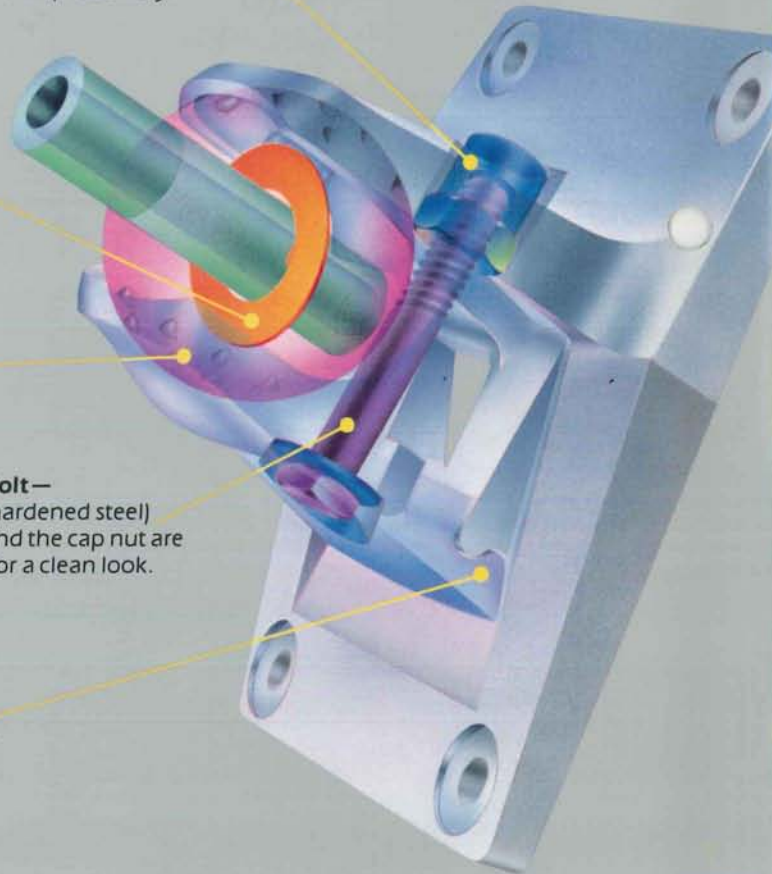
- ▶ **The Fulcrum**—A precise range of movement is designed into this pivot point: It allows the jaw to be opened just wide enough to remove—and later replace the ball during installation. It also distributes the substantial compressive forces generated when the mounted object is locked into position.

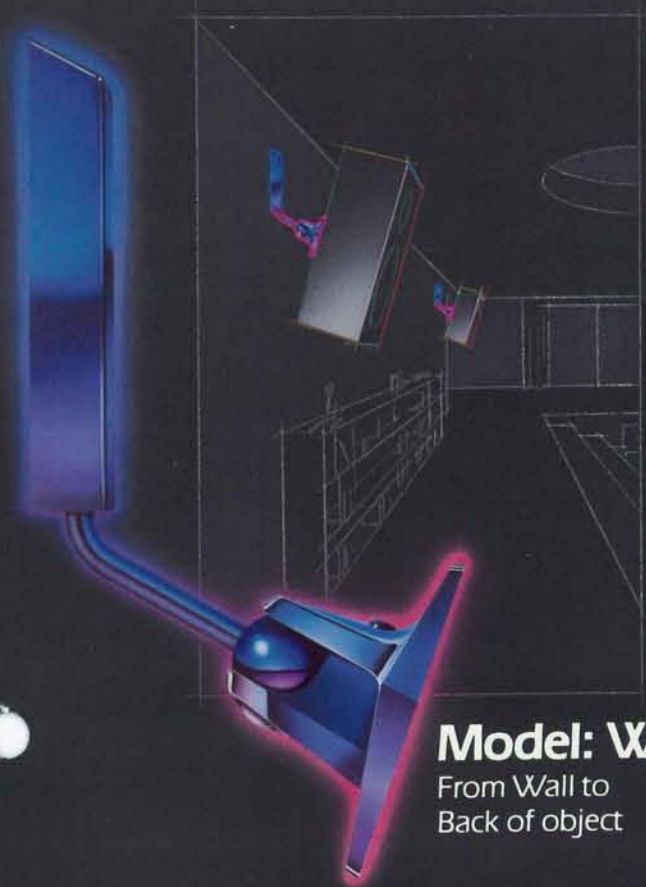
- ▶ **Invisible Wiring Feature**—Many models allow you to conceal the wires internally through the entire assembly, further enhancing installation aesthetics.

- ▶ **Screw Mounting Holes**—(4 locations). Illustrated with screws in place.

- ▶ **Steel tube**. High carbon, heavy wall.

- ▶ **“Force-Limiting Cap Nut”™**—A fixed number of threads is precisely cut into the cap nut. This limits the travel of the tension bolt and helps prevent over-tightening of the clamp assembly.

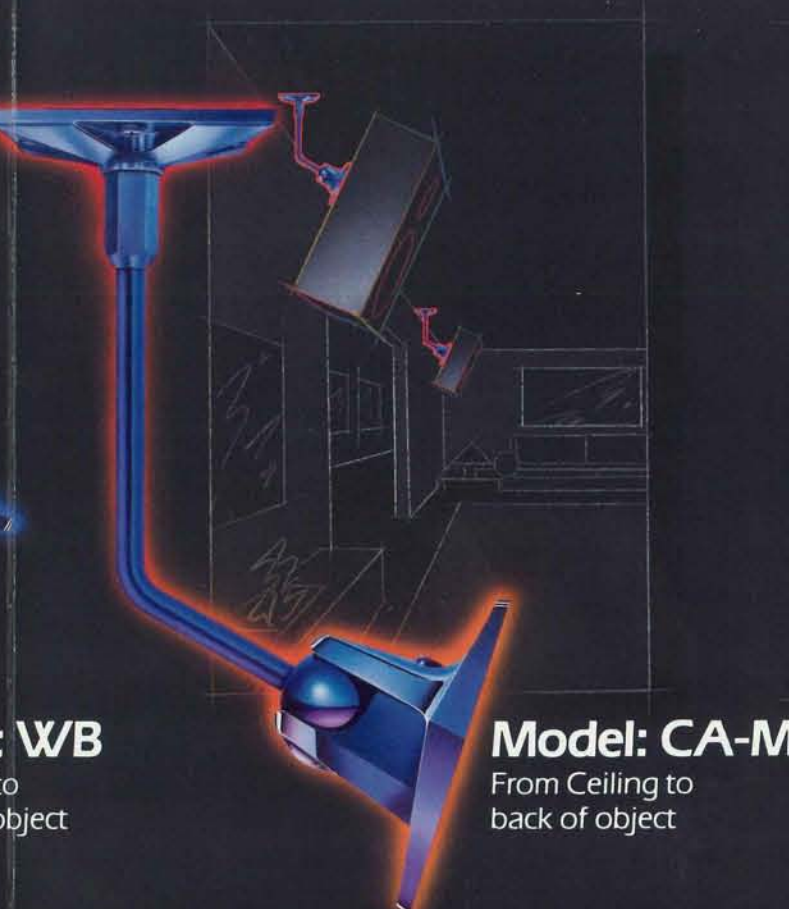




Model: WA
From Wall to
Back of object



Model: WB
From Wall to
bottom of object



Model: CA-MP
From Ceiling to
back of object



Model: ST-MP
From Wall, Ceiling or
Floor to top, back,
bottom or sides
of object



**Omnidirectional
adjustability, far
beyond the usual
"pan & tilt."**

These views offer
only a suggestion of
the infinite angles of
adjustment achieved
by OmniMount
assemblies.

Models are available in Satin
Black and Navaho White finishes.
Highly polished aluminum and
steel is also available.

Detailed dimensions,
specifications, weight
ranges and other pertinent
data are available from
your OmniMount dealer
or OmniMount Systems
directly.

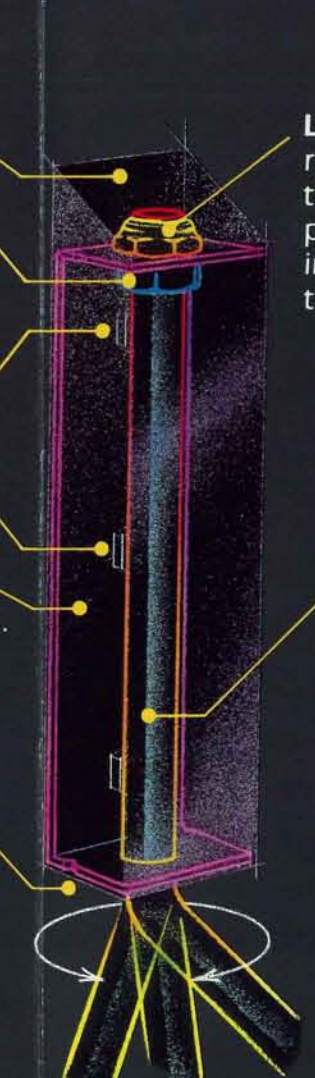
**Snap-on
Plastic Cover.**

Jam Nut—Locks
the rotational
position of the
tube, by tightening
it against the top
of the wall bracket.

**Wall Mounting
Fasteners.**

**Wall Mounting
Bracket**—Formed
from cold rolled steel.

Cover Interlock—
Boss inside cover
interlocks with
notch in the wall
bracket (four
places).



Lock-nut—A nylon locking
ring is formed into the top of
the nut. When the threads
penetrate this ring, the lock-
ing action prevents separa-
tion from the mounting plate.

Steel Tube—
Can rotate 360°.

Although all the features indicated
in this brochure are common to some
models, other models incorporate
only some of the features.

Mounting Plate—
Reinforced with four internal
structural ribs and die cast
from aircraft aluminum alloy.
(Used with model CA-MP
and ST-MP).

Heavy Steel Shoulder Nut—
Locks the rotational position.
Objects mounted on Model
CA-MP create lateral forces
that push against the tube.
This special shoulder nut
prevents these forces from
transmitting to the tube
threads.

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Fax: (818) 766-9437

OmniMount Systems makes the most versatile, best looking and easiest to use mounting hardware.

From the smallest mini-speakers to the largest T.V. monitors— from ounces to hundreds of pounds—we have dozens of products to meet your every installation need.

We're supporting everything from artifacts in museums to laser scanners in factories— The applications are endless.

The Concept

Artfully simple. Straightforward and carefully thought out. Streamlined down to a few essential components.

We've joined together advanced materials and manufacturing technology with traditional fabrication techniques, to bring you products of uncompromised quality.

Look at these features!

You'll see innovative design and some very serious engineering.

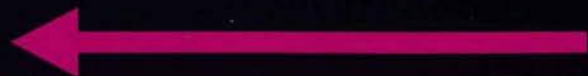
Strong and safe, yet sleek and unobtrusive.

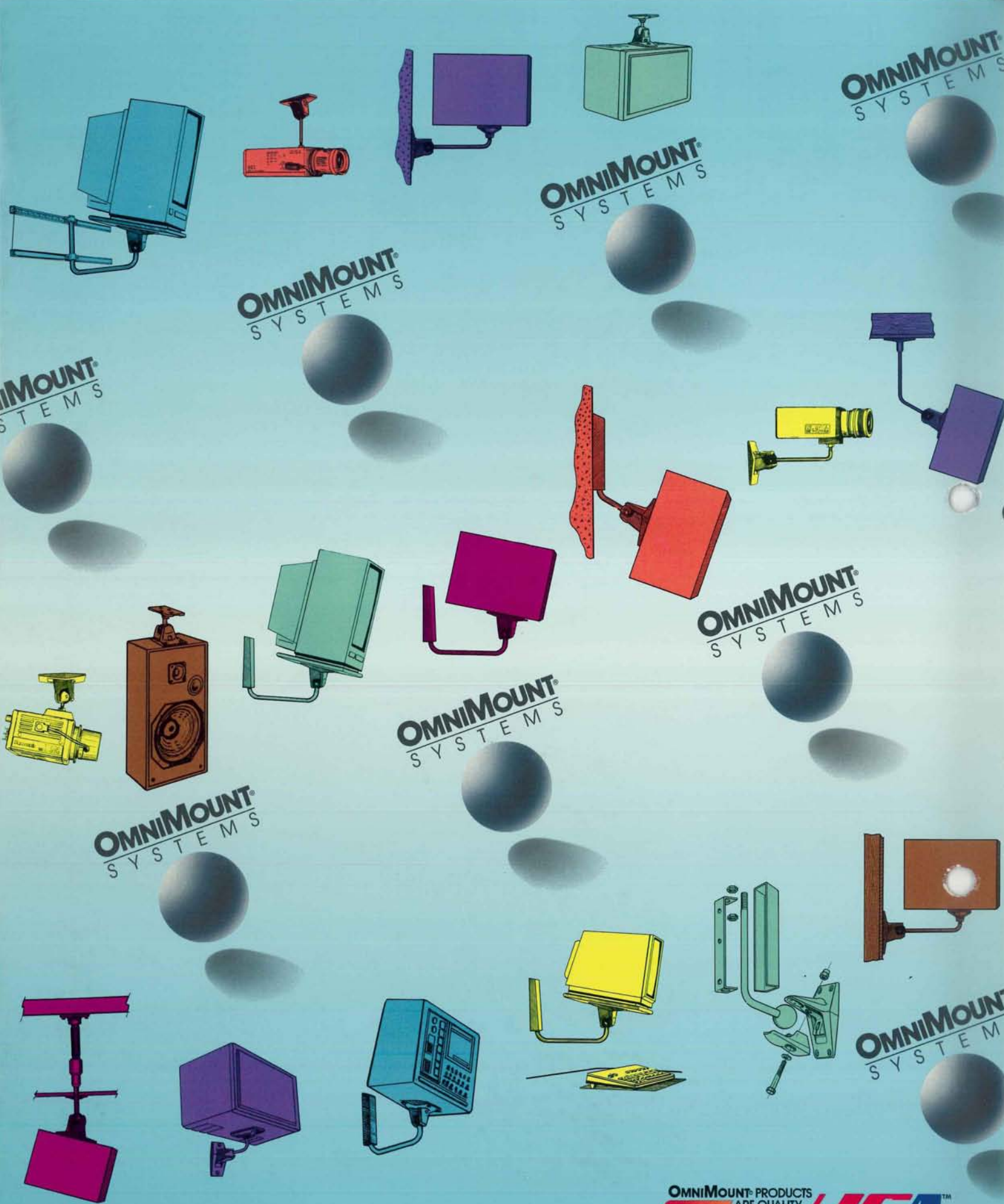
Once the OmniMount assembly is in place on the wall or ceiling, the sightlines can be such that the assembly itself is often invisible—with the object it carries suspended as if magically in mid-air.

And when it is visible, the system is seen to be a handsome form-follows-function unit, with graceful lines that blend easily with any environment.

For more than ten years we've been working quietly behind the scenes, steadily moving into all kinds of public places, like airports, cinemas, stadiums and concert halls.

Whether you own a sophisticated surroundsound home theatre or have just a couple of small speakers and a T.V. to be mounted, make OmniMount products an integral part of your home entertainment system.





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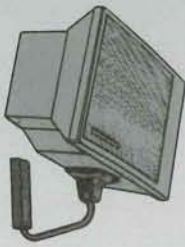
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OmniMount products are covered by patents issued and/or pending.
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OMNIMOUNT PRODUCTS ARE QUALITY MANUFACTURED IN CALIFORNIA USA

Support Information

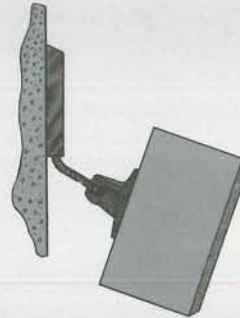
- ➔ PRODUCT SELECTION
- ➔ DIMENSIONS
- ➔ SPECIFICATIONS

OmniMount® Systems



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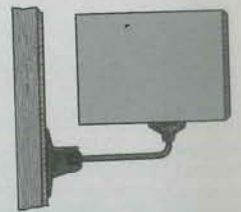
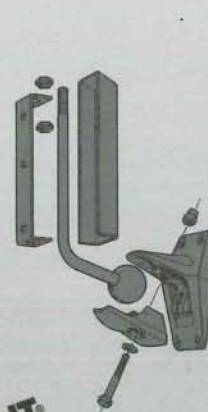
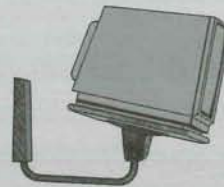
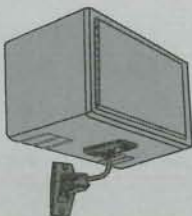
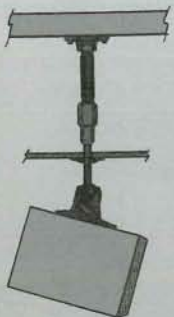
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First, some general things for you to know...

..About the object you're mounting

"OmniMount Prepped" refers to objects that retrofit directly to OmniMount products. These objects contain factory installed threaded inserts, engineered and designed in by the manufacturer. The inserts are intended to provide safe support when the object is mounted. Many loudspeakers have them, as do most security cameras.

If no factory inserts have been provided, then it is **you** who will have to evaluate the strength of the object and the integrity of the materials it's made of. The construction of the object must be at **least** sturdy enough to support its own weight over time, especially at the point of attachment to the OmniMount assembly.

...And what you're mounting onto

Careful evaluation must be made of the surfaces you will be mounting onto. Adequate strength, composition, and construction of these surfaces is obviously crucial to a safe and secure installation.

Specify and use the appropriate interfacing hardware. Select the right type, size and combination of fasteners to support the load safely. Consider carefully and plan for all installation conditions and variables.

"How much does it weigh?" This is probably the first question that comes to mind when deciding to mount something on the wall or the ceiling.

But mounting any object safely and properly also requires careful consideration of the object's overall size (height x width x depth), it's center of gravity, distribution of load, and whether or not dynamic loading will be acting upon it.

Static/Stationary load — vs. — Active/Potential Dynamic load

An OmniMount assembly attached to a solid wall, where no external motion forces are at play, is an example of a static/stationary load installation.

An OmniMount assembly attached to a surface inside a moving vehicle subjects the mounted object to an **active** dynamic load situation. As an example of a **potential** dynamic load installation, consider a ball thrown astray in a sports venue and how it could impact a mounted object.

The best way to compensate for dynamic loading is to choose an OmniMount assembly capable of supporting **greater** weight than the object itself. This usually means choosing the same model, but within the next higher Series.

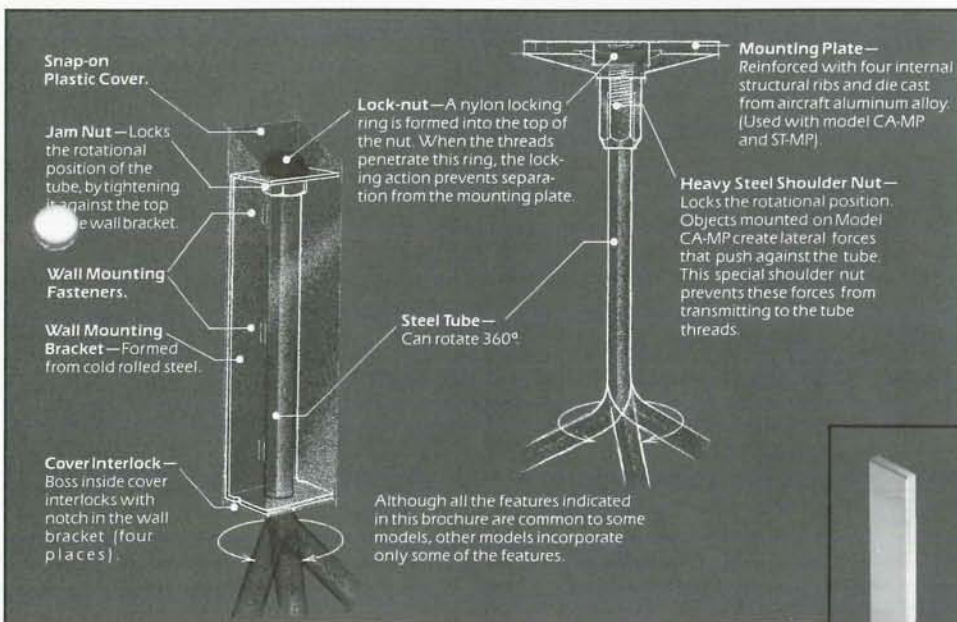
For product selection you'll need to know three basic things...

- 1. The Location of the Mounting Surfaces:** That is, on the wall, ceiling, floor, deck, or other place. And where, on the object itself, the OmniMount assembly will be secured—on the top, on the back, on the bottom, or on the side.
- 2. The Weight of the Object to be Mounted:** Use the weight chart below as a guide.
- 3. The Overall Dimensions of the Object:** The height, width, and depth of it. This information is required to choose accurately the OmniMount model that will best fit the object you are mounting and best fit in the space available for it. The full sweep of the chart gives you dimensional information for both the complete models and their component parts.

Objects to be Mounted Can Weigh Up to:

5Lbs.	for the	25 Series	models
15Lbs.	for the	50 Series	models
25Lbs.	for the	75 Series	models
55Lbs.	for the	100 Series	models
120Lbs.	for the	300 Series	models
225Lbs.	for the	500 Series	models

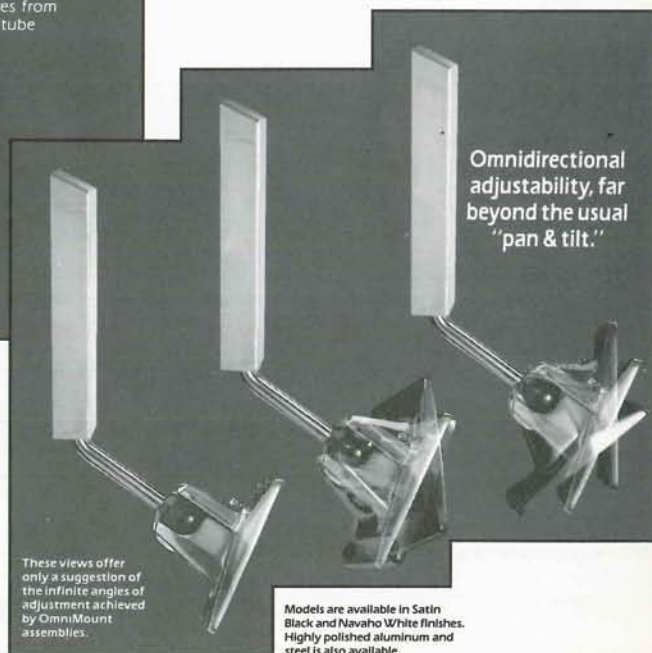
Combine good judgement with a common sense knowledge of the physical laws that affect balance and stability, and you'll choose the best OmniMount product to do the job.



Architectural & Engineering Specifications

Where "Universal Mounting Assemblies" are indicated in contract documents, they shall be "as manufactured by OmniMount Systems." Mounts shall have a carbon steel or stainless steel ballshaft, with a polymer ball permanently bonded to one end. Clamp Assemblies and Mounting Plates shall be of aircraft grade aluminum alloy, with remaining structural components fabricated of cold-rolled steel. Fasteners used for

assembly shall be of hardened steel—certain cosmetic parts shall be of injection molded plastic. Fastening hardware selected for mounting surfaces shall be of a proper size and type to support loads safely—as detailed in OmniMount Systems' product data and installation instructions. Fastening hardware shall be finished as necessary to match mounting assemblies.



DIMENSIONS FOR COMPLETE MODELS

	50 SERIES	75 SERIES	100 SERIES	300 SERIES
WA	6 1/4	6 1/4	9 1/4	12 7/16
CA	158.8	158.8	235	316
PA	4 5/8	5 3/8	6 7/8	9 1/2
A	117.5	136.5	174.6	241.3
B	9 1/2	10 3/8	14	19
C	241.3	263.5	355.65	482.6
D	9	10 1/4	13 1/8	18 1/4
E	228.6	260.4	333.4	463.6
F	10	11 1/4	14 3/8	19 1/2
G	254	287.8	365.1	495.3

	25 SERIES	50 SERIES	75 SERIES	100 SERIES	300 SERIES	500 SERIES
WB	7 3/8	8 1/8	11	14 3/4	14 3/4	14 1/2
WB (INVERTED)	187.3	206.4	279.4	347.7	347.7	368.3
A	7	9 3/4	10 3/4	15 3/8	15 3/8	14 1/2
B	177.8	247.7	273.1	390.5	390.5	368.3
C	3 1/8	3 1/8	4 7/8	6	6	6
D	79.4	79.4	111.1	152.4	152.4	152.4

	25 SERIES	50 SERIES	75 SERIES	100 SERIES	300 SERIES	500 SERIES
WBX	7 1/4	7 1/4	14	14	14 3/4	20 3/8
CBX-PA	184.2	184.2	355.6	355.6	374.6	517.5
A	7 1/4	7 1/4	14 3/4	18	18 5/8	24
B	184.2	184.2	374.7	457.2	473.1	609.6
C	7 7/8	7 7/8	15 3/8	15 3/8	15 3/8	22
D	200	200	390.5	390.5	390.5	558.8

	25 SERIES	50 SERIES	75 SERIES	100 SERIES	300 SERIES	500 SERIES
STX-PA	4 1/8	6 5/8	7 1/8	9 1/2	12 1/2	16
STX-MP	104.8	168.3	181	241.3	317.5	40
STX	4 1/8	6 1/2	7	9 3/8	12 1/2	15 1/4
A	104.8	165.1	177.8	238.1	317.5	387.4
B	4 3/4	7 1/2	8 1/4	10 1/2	13 3/4	16 7/8
C	120.7	190.5	209.6	266.7	349.3	428.6
D	1 3/16	1 3/4	2 1/16	2 5/8	3 1/2	4 3/8
E	30	44.5	52.4	66.7	89	111

	25 SERIES	50 SERIES	75 SERIES	100 SERIES	300 SERIES	500 SERIES
ST-MP	3	3 7/8	4 5/8	6 1/8	7	11 1/4
ST	76.2	98.4	114.3	155.8	177.8	285.8
ST-PA	2 7/8	3 7/8	4 1/2	6	7	10 3/8
A	73	98.4	114.3	238.1	177.8	263.5
B	4 3/4	5 3/4	7 1/4	8 1/4	8 1/4	12
C	120.7	146.1	184.2	209.6	209.6	304.8
D	1/2	1/2	1/2	3/4	3/4	1
E	12.7	12.7	12.7	19	19	25.4

REVERSE MOUNT MODELS FOR OBJECTS WITH FACTORY INSTALLED THREADED INSERTS 1/4"-20 IS STANDARD - 25 SERIES 3/4"-20 IS STANDARD - 50 SERIES (OTHER THREADS INCLUDING METRIC ARE AVAILABLE)

	25 SERIES	50 SERIES
RMW	3	4 1/2
RMWX	76.2	114.3
RWX	4 3/4	7 1/2
RW	120.7	190.5
RMSTX	2 7/8	4
RMST	73	101.6
RST	4 1/8	6 7/8
RSTX	104.8	174.6

CLAMP ASSEMBLY

	25	50	75
A	2 13/16	2 3/8	1 5/8
B	71.4	60.3	6.4
C	2 3/8	1 5/8	1 5/8
D	41.3	20.6	82.6
E	20.6	82.6	63.5
F	3 1/4	2 1/2	1 1/4
G	6.4	55.6	27.8
H	1 3/32	4 7/8	4 1/4
I	4 1/4	4 1/4	4 1/4
J	2 15/16	2	2
K	2	2	2

WALL BRACKETS/COVERS

	50-75	100	300
A	2 1/8	3 3/8	4 5/8
B	53.9	85.7	117.5
C	2	3 1/16	4 1/2
D	7.9	9.5	9.5
E	7 1/16	8 3/16	11 3/16
F	11.1/12.7	15.9	25.4
G	138.1	207.9	284.1
H	6 1/2	6 1/4	12 7/16
I	47.6	55.6	57.2
J	28.6	34.9	55.6
K	27	31.8	54
L	41.3	50.8	50.8

MOUNTING PLATES (MP)

	25	50	75-100	300	500
A	2 7/8	3 3/8	4 1/4	6 7/8	12
B	73	81	108	174.6	304.8
C	1 7/8	1 13/16	2 1/8	3 7/16	12
D	1 1/2	2 1/4	2 1/4	2 7/16	12
E	3/4	1 1/8	1 1/8	2 7/16	12
F	1 1/4	1 1/4	1 1/4	3/8	12
G	2 3/8	2 9/16	3 1/2	5 3/4	12
H	60.3	65.1	88.9	146.1	304.8

NOTE: Mounting plate for 500 series is designed differently from examples shown.

BALLSHAFT THREAD SPECIFICATIONS

	25 SERIES	50 SERIES	75 SERIES	100 SERIES	300 SERIES	500 SERIES
A	1/4-20	7/16-20	1/2-20	5/8-18	1-14	1 1/2-12

EXCEPTIONS AND VARIATIONS (WBX/CBX MODELS)

- 25WBX/CBX - 7/16-20 THREAD
- 75WBX/CBX - 5/8-18 THREAD
- 100WBX/CX - 3/4-18 THREAD

SPECIAL ADAPTERS:

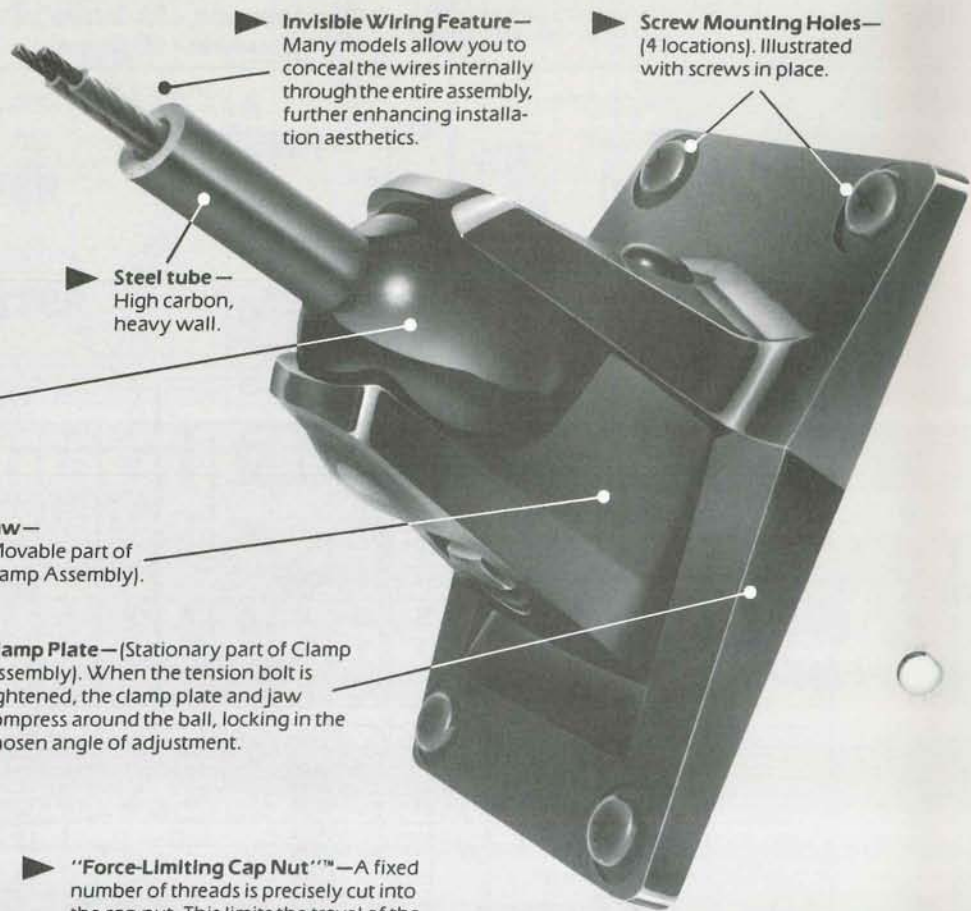
- Microphone Stand:** 3/8"-27 female thread adapts 25 Series and 50 Series models only.
- Tubular Tripod Stand:** Two sizes available - 1 1/8" diameter and 1 1/2" diameter. For use with models 100ST and 100STX only.
- "C" Clamp:** Adapter is for use with "C" clamp of the type used for theatrical lighting fixtures—must have either a 7/8"-13 stud or through-hole access for a 1/2" diameter bolt. Available for 100 Series models only.
- "T" Bar Ceiling Adapters:** For mounting objects on acoustic tile suspended ceilings.

MANY SPECIAL ACCESSORIES ARE AVAILABLE SUCH AS: Quick-release handles (25 and 50 series only), Pole mount adapters, Safety cables, Vibration isolators, Shelving kits and strut member kits that allow load distribution across three wall studs (300 and 500 series models only). Contact your sales representative of OmniMount Systems directly for more information.

*INCH callouts are in bold face at the top of each box. MM callouts are in plain text

For simplicity, some illustrations may not be to scale. Specifications are subject to change without prior notice. Contact factory directly to verify critical dimensions. Every effort has been made to provide accurate dimensions and specifications. OmniMount Systems cannot be held responsible for any errors or omissions.

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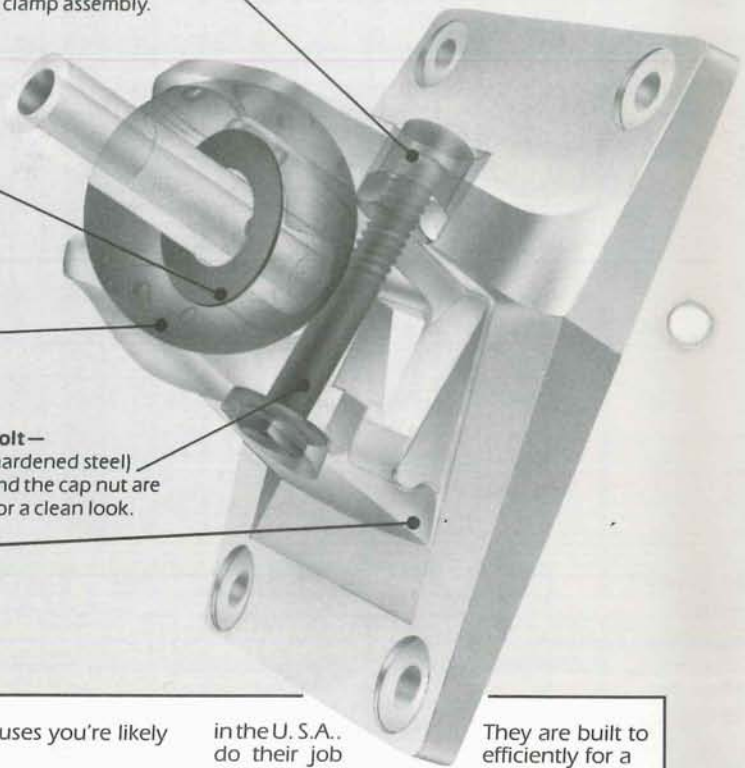
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► **Steel tube**—High carbon, heavy wall.

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When molded, the ball is mechanically captured by the welded ring and bonded by the adhesive. This "triple positive lock" (thermal, chemical and mechanical) ensures that the ball cannot separate from the tube.

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► **Tension Bolt**—(Grade 8 hardened steel) this bolt and the cap nut are recessed for a clean look.

For Your Information...

OmniMount Systems have been specified and installed both safely and productively for many years. With the extraordinarily varied applications and installation advantages of OmniMount products, it is important to become fully aware of the guidelines and specifications we have set forth here. The more familiar you become with OmniMount assemblies,

the more time-saving uses you're likely to find for them.

The patented OmniMount Systems ball and clamp assembly works with a variety of ball shaft lengths and bend configurations, wall brackets, mounting plates, plumbing pipe, all-thread rod adapters and accessories—all in very many sizes and load handling capabilities.

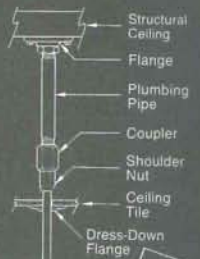
OmniMount products are carefully engineered and quality manufactured

in the U. S. A. do their job a long time.

They are built to efficiently for a long time.

OmniMount assemblies are of industrial quality, but they're not industrial looking. Functional design makes for special good looks, creating a clean uncluttered installation. Specifying OmniMount products eliminates the need for welding or custom fabricating expensive brackets. And you'll no longer have to settle for unsightly and time-consuming "nuts & bolts" alternatives.

The Plumbing Pipe Connection



Model Illustrated:
CA-PA

Plumbing Pipe Reducer

Model Illustrated:
STX-PA

Model Illustrated:
STX-PA

Model Illustrated:
CB-PA

Model: WA

From Wall to
Back of object

Model: ST-MP

From Wall, Ceiling or
Floor to top, back,
bottom or sides
of object

Model: WB

From Wall to bottom of object

Model: CA-MP

From Ceiling to
back of object

OMNIMOUNT
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OMNIMOUNT PRODUCTS
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