




## Accelerometer Mounting Hardware

### Mounting Pads

Accelerometer Mounting Pads are lapped on one side with a provide an ideal mounting surface for attaching and accelerometer. Pads are available in Non-Magnetic 316 Stainless Steel and Magnetic 416 Stainless Steel. Non-threaded mounting pads are ideal for marking vibration measurement points fo ensure consistant measurement locations.

	Material	Dimensions	Thread	
<b>Non-Magnetic (Standard)</b>				
CMCP200-01	316 Stainless Steel	1" Diameter, 1/4" Thick	1/4"-28 UNF	
CMCP200-02	316 Stainless Steel	1" Diameter, 3/8" Thick	1/4"-28 UNF	
CMCP200-S1	316 Stainless Steel	0.75" Diameter, 1/4" Thick	1/4"-28 UNF	
<b>Magnetic and Threaded</b>				
CMCP200M-01	416 Stainless Steel	1" Diameter, 1/4" Thick	1/4"-28 UNF	
CMCP200M-02	416 Stainless Steel	1" Diameter, 3/8" Thick	1/4"-28 UNF	
<b>Magnetic and Not Threaded (Measurement Point Marker)</b>				
CMCP200MP-01	416 Stainless Steel	1" Diameter, 1/4" Thick	None	

### Isolated Mounting Pads

Isolated Mounting Pads are ideal for applications where sensors require isolation from the mounting surface to prevent static electricity build up and ESD shocks from improper or poorly grounded machinery. Pads are female threaded one side and male threaded on the other.

	Material	Dimensions	Thread	
<b>Low Cost</b>				
CMCP200D-01	Delran	1" Diameter,	1/4"-28 UNF	
CMCP200D-02	Delran	3/8" Thick	M8 x 1.25	
<b>General Purpose</b>				
CMCP200I-01	316SS/Delran	1.25" Diameter,	1/4"-28 UNF	
CMCP200I-02	316SS/Delran	3/8" Thick	M8 x 1.25	
		1.25" Diameter,		
		3/8" Thick		

### NPT Adapters

NPT Adapters allow the user to make use of existing plugged holes in the machine. Pipe thread adapters are made of 316 Stainless Steel and have a 1/4"-28 UNF threaded hole to mate with common accelerometers. Thread adapters may be purchased to adapt to other threads.

Part Number	Side A	Side B	Material
CMCP203-01	1/2" NPT	1/4"-28 UNF Female	316 Stainless Steel
CMCP203-02	3/4" NPT	1/4"-28 UNF Female	316 Stainless Steel
CMCP203-03	3/8" NPT	1/4"-28 UNF Female	316 Stainless Steel
CMCP203-04	1/4" NPT	1/4"-28 UNF Female	316 Stainless Steel



### Motor Fin Mounts

Motor Fin Mounts provide a mounting locations for either mangetically mounted or permanently mounted accelerometers on motors where the bearing housing in not accessible. The fin mounts are are machined from 416 Stainless Steel and are adhesive mounted between the cooling fins of the motor.

	<b>Material</b>	<b>Dimensions</b>	<b>Thread</b>
CMCP205-01	416 Stainless Steel	1.25" x 0.50" (31.75 x 12.7mm)	1/4"-28 UNF
CMCP205-02	416 Stainless Steel	2.00" x 0.50" (50.8 x 12.7mm)	1/4"-28 UNF
CMCP205-03	416 Stainless Steel	1.75" X 0.25" (44.45 x 6.35mm)	1/4"-28 UNF
CMCP205-04	416 Stainless Steel	1.0" x 0.25" (25.4 x 6.35mm)	1/4"-28 UNF



### Quick Fit Mounting Adapters

Quick Fit Mounting Adapters are ideal for sensors with integral cables or for route based data collector. The ¾ turn attachment secures the sensor to the mounting adapter which can either be stud mounted or glue mounted to a bearing housing. Adapters are available for standard accelerometers.

	<b>Material</b>	<b>Type</b>	<b>Thread</b>
CMCP200QF-01	316 Stainless Steel	Quick Fit Mount Stud Mount Only	1/4"-28 UNF
CMCP200QF-02	316 Stainless Steel	Quick Fit Adapter Sensor Adapter	1/4"-28 UNF
CMCP200QF-03	316 Stainless Steel	Quick Fit Mount Glue or Stud Mount	1/4"-28 UNF



### Quick Fit Kits

	<b>Sensor Adapters</b>	<b>Glue/Stud Mounts</b>	<b>Thread</b>
CMCP200QF-K1	1	1	1/4"-28 UNF
CMCP200QF-K10	1	10	1/4"-28 UNF
CMCP200QF-K20	1	20	1/4"-28 UNF
CMCP200QF-K50	2	50	1/4"-28 UNF
CMCP200QF-K100	3	100	1/4"-28 UNF
CMCP200QF-K200	4	200	1/4"-28 UNF
CMCP200QF-K300	6	300	1/4"-28 UNF
CMCP200QF-K500	10	500	1/4"-28 UNF

### Mounting Studs

	Material	Thread	Length	Qty
CMCP230-01	316 Stainless Steel	1/4"-28 UNF	1/2"	10
CMCP230-02	316 Stainless Steel	1/4"-28 UNF	3/4"	10
CMCP230-03	316 Stainless Steel	1/4"-28 UNF	3/8"	10



### Metric Mounting Adapters

CMCP237-01	316 Stainless Steel	1/4"-28 UNF	M8 x 1.25	1
CMCP237-02	316 Stainless Steel	1/4"-28 UNF	M10 x 1	1
CMCP237-03	316 Stainless Steel	1/4"-28 UNF	M6 x 1.25	1
CMCP237-04	316 Stainless Steel	1/4"-28 UNF	M6 x 1	1



### Imperial Thread Adapters

CMCP238-01	316 Stainless Steel	1/4"-28 UNF	5/16"-24	1
CMCP238-02	316 Stainless Steel	1/4"-28 UNF	3/8"-24	1
CMCP238-03	316 Stainless Steel	1/4"-28 UNF	1/2"-20	1
CMCP238-04	316 Stainless Steel	1/4"-28 UNF	1/4"-20	1
CMCP238-05	316 Stainless Steel	1/4"-28 UNF	10-32	1



### Accelerometer Magnets

	Material	Diameter	Thread	Strength
CMCP-MB01	316 Stainless Steel Curved Surface	0.75"	1/4"-28 UNF Male	20 Lbs
CMCP-MB02	316 Stainless Steel Curved Surface	1.0"	1/4"-28 UNF Male	45 Lbs
CMCP-MB03	316 Stainless Steel Curved Surface	1.4"	1/4"-28 UNF Female	80 Lbs



### Accelerometer Mounting Adhesives

	Type	Uses	Setup Time	Temp. Range
CMCP211	Depend 330 Adhesive and Activator	25-50	3 Minutes	-60 to 250°F (-51 to 121°C)
CMCP210 (Preferred)	Acrylic Adhesive Bypac Single Use	1	1 Minute	-40 to 300°F (-40 to 149°C)
CMCP210C (Preferred)	Acrylic Adhesive Cartridge 50mL	25-50	2-3 Minutes	-40 to 300°F (-40 to 149°C)



**Accelerometer Mounting Adhesives Kits**

Accelerometer Mounting Kits include everything needed to adhesive mount 10, 32, 64 or 128 accelerometers. 1/4" Thick pads can be used for the adhesive/stud mount technique or 3/8" thick pads for adhesive only technique.

<b>Part Number</b>	<b>CMCP200-XX Mounting Pads</b>	<b>CMCP210 Adhesive Bypacs</b>	<b>CMCP270-01 Spot Reamers</b>	<b>CMCP212 Silicone Dielectric</b>
CMCP220-10-01	10 x 1/4" Thick	10	1	1
CMCP220-10-02	10 x 3/8" Thick	10	1	1
CMCP200-32-01	32 x 1/4" Thick	32	2	2
CMCP220-32-02	32 x 3/8" Thick	32	2	2
CMCP220-64-01	64 x 1/4" Thick	64	3	3
CMCP220-64-02	64 x 3/8" Thick	64	3	3
CMCP220-128-01	128 x 1/4" Thick	128	6	6
CMCP220-128-02	128 x 3/8" Thick	128	6	6

**Motor Fin Mount Adhesives**

Adhesives used to anchor fin mlunts between motor cooling fins.

	<b>Type</b>	<b>Setup Time</b>	<b>Temp. Range</b>
CMCP206	Devcon Plastic Welder 50mL Cartridge 1:1, Gap Filling 2-20 Applications	2 Minutes	-60 to 250°F (-52 to 121°C)



**Adhesive Dispensers and Mixing Nozzles**

Adhesives used to anchor fin mlunts between motor cooling fins.

	<b>Type</b>	<b>Used With</b>
CMCP207	Adhesive Dispenser For 50mL Cartridges	CMCP206 CMCP210C
CMCP209	Hand Plunger For 50mL Cartridges	CMCP206 CMCP210C
CMCP208	Mixing Nozzles Pack of 12	CMCP207



**Disposable Accelerometer Installation Tool Kits**

Disposable low cost tooling for facing machines for accelerometer mounting. Each kit includes a spot reamer, pilot, drill bit and tap. Each spot reamer will prepare up to 25 surfaces.

	<b>Thread</b>	<b>Pilot Hole Size</b>	<b>End Mill</b>
CMCP270-01	1/4"- 28 UNF	0.21"	1" Diameter 3/16" Shank
CMCP270-02	M8x1.25	0.265"	1" Diameter 3/16" Shank
CMCP270-03	M6x1	0.195"	1" Diameter 3/16" Shank



**Reusable Accelerometer Installation Tool Kits**

Replaceable cutting blades for multiple uses. The CMCP271 Indexable Counterbore Kit does the same function as the CMCP270 above but has replaceable cutting teeth and can spot ream many more locations for accelerometer mounting. Recommended if you have more than 20 accelerometers to mount.

	<b>Thread</b>	<b>Pilot Hole Size</b>	<b>End Mill</b>
CMCP271-01	1/4"- 28 UNF	0.21"	1" Diameter 3/16" Shank
CMCP271-02	M8x1.25	0.265"	1" Diameter 3/16" Shank



**Accelerometer Installation Tool Kit Spare Parts**

**Drill Bits**

- CMCP273-01 Drill Bit for 1/4"-28 UNF Kits
- CMCP273-02 Drill Bit for M8 Kits
- CMCP273-03 Drill Bit for M6 Kits

**Taps**

- CMCP274-01 Tap for 1/4"-28 UNF Kits
- CMCP274-02 Tap for M8 Kits
- CMCP274-03 Tap for M6 Kits

**Counterbore**

- CMCP272 Spare Disposable Counterbore

