

CLAMPS

Cable/Hose Clamps and Strain Reliefs



Designed for use on:

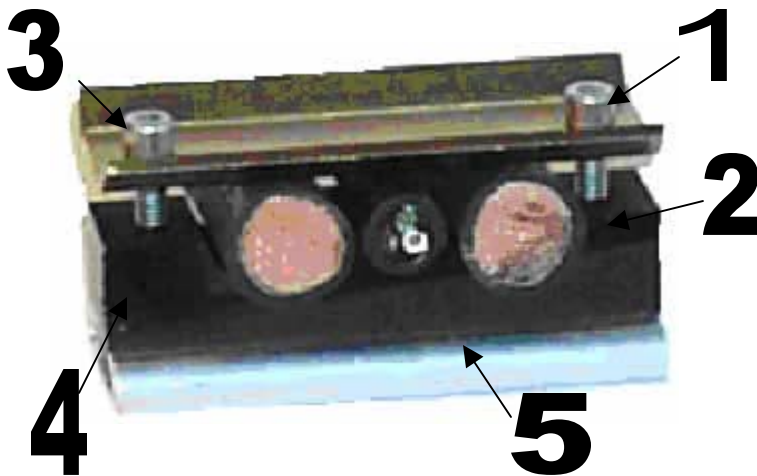
- **Cables, Hoses, and Pipes**
- **Custom designs available for any application**
- **Fast and simple installation**
- **Can be integrated with cable carrier or used as stand alone for cable management**
- **Vibration resistant**
- **Clean appearance**
- **Extends cable/hose life**



GORTRAC

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Machined Clamp



- 1.) 12 gauge steel clamping plate with yellow dichromate plating.
- 2.) Machined High Density Polyethylene (HDPE)
- 3.) 1/4-20 mounting screws.
- 4.) 1/4-20 propeller nuts.
- 5.) Aluminum mounting extrusion.

Features and Benefits

- Customized to any configuration
- Multiple part clamp bodies can be used to create multiple tiers for stacking
- Can be used as stand alone system or integrated into cable carrier system
- Machined with small grooves on contact area for maximum holding strength
- Excellent clamping force
- Fast and simple installation

Testing



Test Description: Clamp screws torque at 25 in-lbs. A pull force is applied to determine breakaway force. A 1" o.d. welding cable was used for this test.

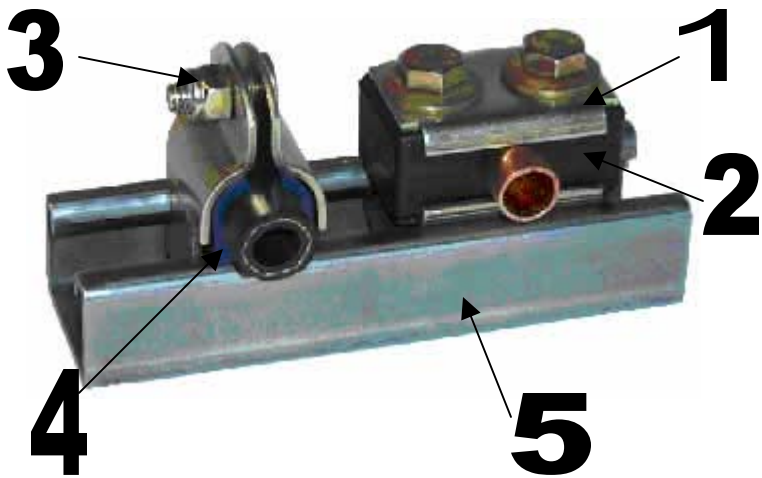
Test Results: 477 force pounds to pull cables out.



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Modular/Strut Clamp

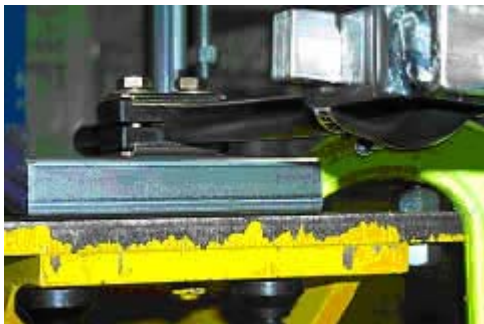


- 1.) 14 gauge steel clamping straps with yellow diechromate plating, typical.
- 2.) Molded polypropylene bolt-down cushion.
- 3.) 1/4-20 mounting screws and nuts, typical.
- 4.) Molded polypropylene strut cushion.
- 5.) 12 gauge C-Channel.

Features and Benefits

- Available in a variety of sizes ranging from 1/4" -4".
- Stackable configuration available
- Available in stainless steel
- Short lead times
- Modular design allows flexibility of adding/removing lines.

Testing



Test Description:
Clamp screws torque at 25 in-lbs. A pull force is applied to determine breakaway force. A 5/8 o.d. electrical cable was used for both tests.

Test Results for bolt down style: 219 force pounds to pull cables out.



Test Results for saddle style: 108 force pounds to pull cables out.



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Rubber Compression Clamp

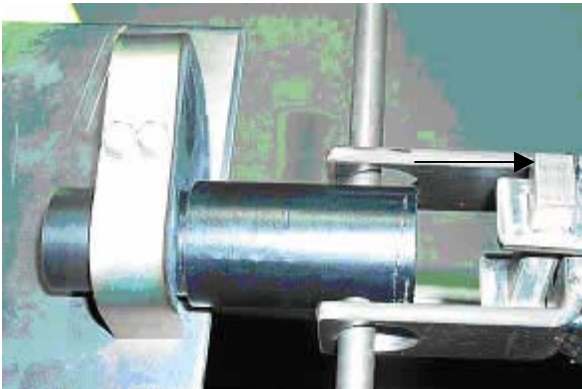


- 1.) **3/16 gauge steel clamping strap with yellow diechromate plating.**
- 2.) **1" thick neoprene rubber 65-75 Shore A durometer.**
- 3.) **Mounting screws (screw size depends on clamp size)**

Features and Benefits

- **Customized to any configuration**
- **Rugged 3/16" thick steel top clamping bracket**
- **Use as stand alone clamp for cable, hose, pipe management**
- **Vibration resistant rubber body**
- **Wide rubber body protects against abrasion of lines**
- **Fast and simple installation**

Testing



Test Description: Clamp screws torque at 25 in-lbs. A pull force is applied to determine breakaway force. A 1-1/4" machined plastic bar was used for this test.

Test Results: 141 force pounds to pull bar and rubber out.



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Strain Relief

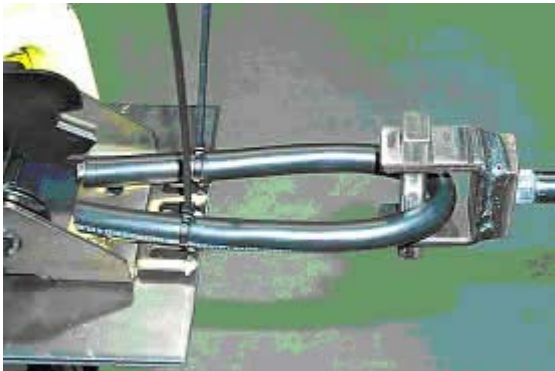


- 1.) Cable carrier bracket with integrated strain relief fingers
- 2.) Zip-ties

Features and Benefits

- Integrated into cable carrier brackets to eliminate parts
- Uses standard zip-ties (not supplied)
- Fingers are offset for ease of cable/hose installation
- Economical
- Clean appearance
- Stock item on most cable carrier models
- Fast and simple installation of cables/hoses

Testing



Test Description: A pull force is applied to determine breakaway force. A 5/8" o.d. electrical cable was used for this test.

Test Results: 157 force pounds to pull cable out and fail one zip-tie.



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