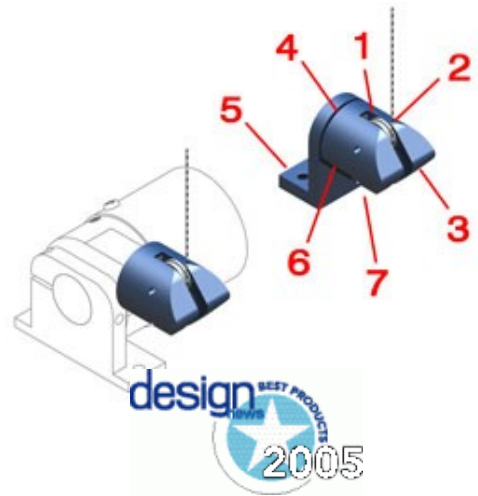


Data Sheet - RoundAbout™ Cable Guide

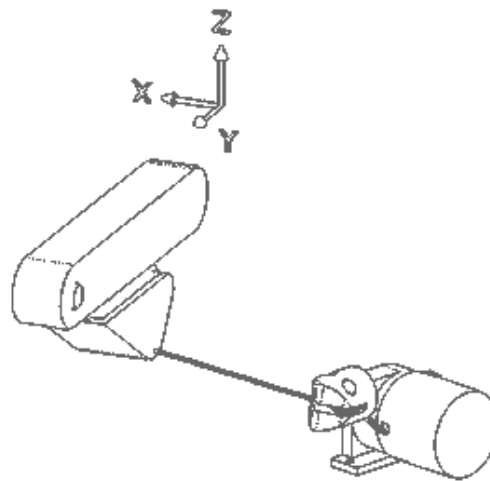
Patent Pending

Key Features

1. Allows dynamic 3D displacement cable motion
2. Gives 360° by 317° displacement cable orientation flexibility
3. Unique curved cable guiding surface allows for dynamic displacement cable motion
4. Rugged anodized aluminum, shielded stainless steel bearings, and engineering plastics construction
5. Mountable on the position transducer or via independent mounting base
6. Reduces the need for flexible position transducer mounting bases
7. Saves time: no need to re-locate or re-orient the position transducer after installation



Flexibility Demonstration



A demonstration of the 3D cable motion capability of the RoundAbout™ cable guide.

Specifications

Parameter	Value
Materials	anodized aluminum, stainless steel, engineering plastics
Displacement Cable Compatibility	0.018-inch (0.46-mm) dia. optimum, up to 0.027-inch (0.69-mm) dia. possible with reduced lifetime
Mechanical Life	40 million linear cable inches min estimated using 0.018-inch (0.46-mm) dia. cable
Operating Temperature	-85° to +257° F (-65° to +125° C)
Shock, Vibration	100 g for 6 ms, 10 to 2000 Hz at 15 g
Nominal Mass	2 oz (60 g)
Environmental Protection	NEMA 3S / IP 44

Part Numbers

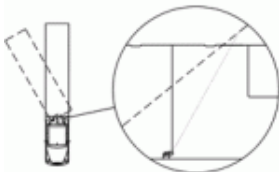
Part Number	Description
301224	cable guide: RoundAbout™, standalone
301225	cable guide: RoundAbout™, with mounting base

301202

mounting base: RoundAbout™

The RoundAbout™ cable guide may also be ordered already installed on [Series 16_](#) and [Series 6](#) position transducers. The RoundAbout™ cable guide cannot be installed by the user to existing position transducers.

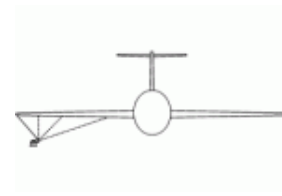
Application Examples



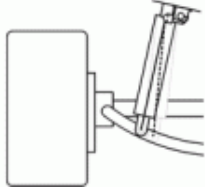
5th wheel and trailer hitch tracking



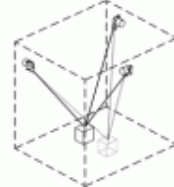
simulator control



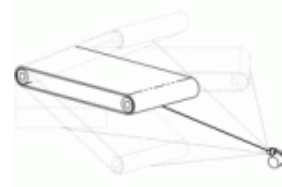
aircraft ground testing



automotive suspension monitoring

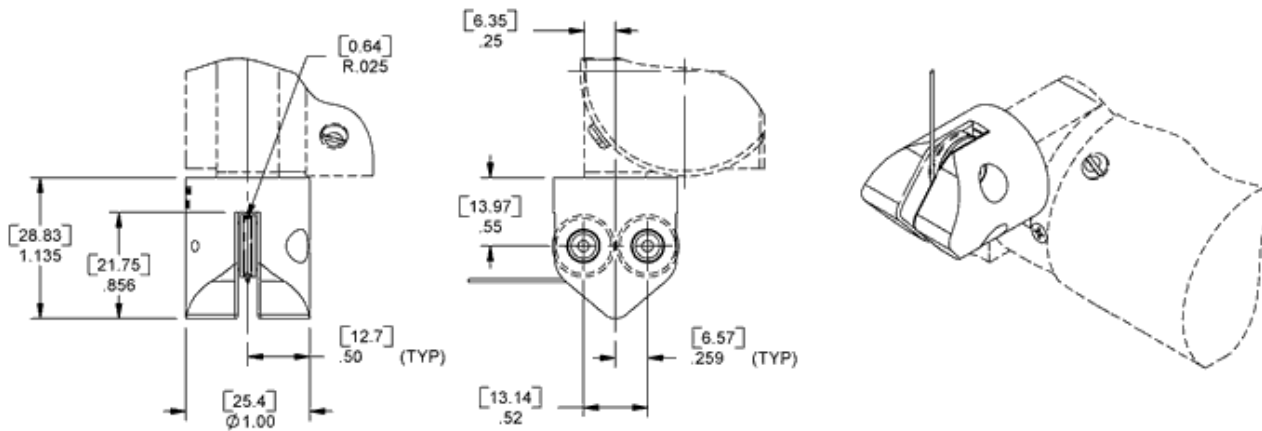


local GPS systems

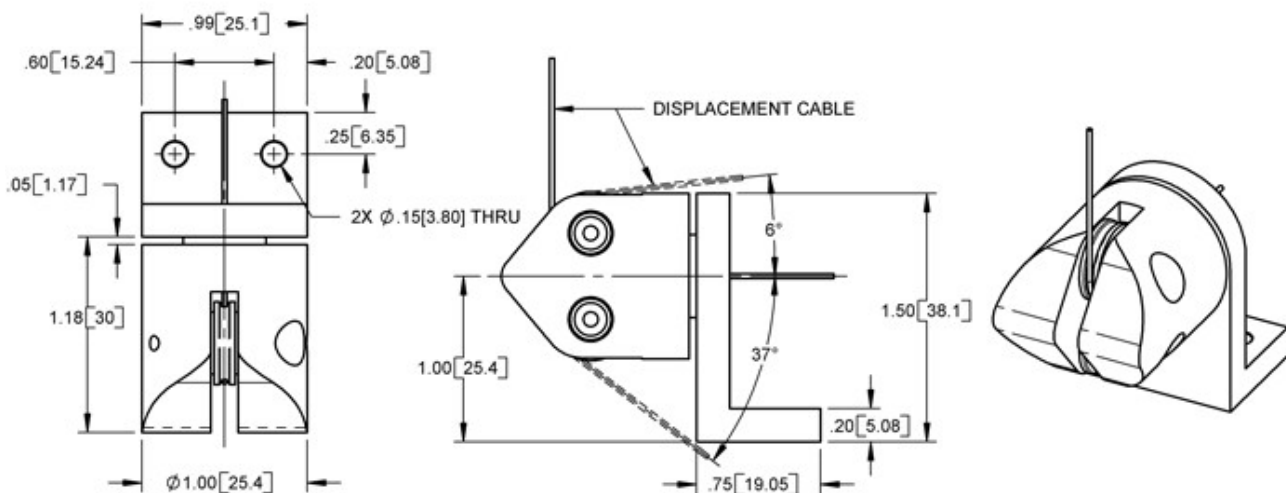


material handling

Drawing



RoundAbout™ cable guide mounted to position transducers (pn 301224)



RoundAbout™ cable guide with mounting base; displacement cable angular flexibility: 360° continuous by +174° -143° (pn 301225)

Patent Pending

Need something not shown? Complete a [Custom Solution Request](#).

All dimensions are REFERENCE and are in inches [mm] Document number: S021S(050526)