

### Application:

Hazardous area conduit bodies and outlet boxes are installed in rigid conduit systems in Class I and II hazardous locations to:

- protect conductors
- act as pull and splice boxes
- connect lengths of conduit
- change conduit direction
- provide access to conductors for maintenance and future system changes
- act as mounting outlets for fixtures (with appropriate covers)
- act as sealing fittings (with appropriate covers)

### Considerations for Selection:

- Determine the area classification per National Electrical Code Hazardous Area Groups. Based on this classification, select the product families that are acceptable for use in the particular location.
- Establish functional physical requirements – these will help to determine box size, cover, shape and mounting for the particular installation.
- Each product family has features suitable for specific functions:
  - i.e., boxes used as mountings for lighting fixtures are generally of a small size, and provided with mounting lugs when required to support lighting fixtures.
  - Boxes used for wire pulling should generally be larger to provide room for easy pulling.
  - Boxes used to splice and/or tap conductors should be large enough to permit ease of work and sufficient room for the required size and number of conductors.
  - Hub size and configuration – dependent on the conduit system configuration and the conduit size used.
  - Material and finish – determine from environmental conditions (corrosive fumes, weather, buried in concrete, etc.)

### Options and Accessories:

- Flat blank covers (surface and flanged flush), fixture support and sealing covers and extensions are available. See specific product listing for details.
- Lubricant (STL and HTL) are available to make joints raintight, provide for easy cover removal and to lubricate shafts over a wide temperature range.
- *Corro-free*™ epoxy powder coat – information available on request.

## Quick Selector Chart

Series	NEC Class I & II Groups	Normal Function	Cover Opening Diameter	Hub Size †	Cover Type
GUA	C, D E, F, G	Mtg. lgt. fixt., taps, pulling, splicing	2-5	1/2-2	Threaded
EAJ	A, B, C, D E, F, G	Pulling, splicing, taps	3 3/16 & 5	1/2-2	Threaded
EAB	A, B, C, D E, F, G	Pulling, splicing, taps	3	1/2-1	Threaded
CPS	C, D E, F, G	Fixt. support, pulling, splicing	3 1/2	1/2 & 3/4	Ground joint
OE	C, D E, F, G	Pulling		1/2-1	Ground joint
ET	C, D E, F, G	Stub up		1/2-1	
LBY	C, D E, F, G	Pulling		1/2-1 1/4	Threaded
LBH	B, C, D E, F, G	Pulling		1/2-4	Ground joint
EKC	C, D E, F, G	Pulling		1-3	Ground joint
GUR	C, D E, F, G	Pulling, splicing		1/2-1	Threaded

† See following table for standard hub configuration.