



# Locknuts

## Brass, Nickel Plated Brass, Steel & Aluminium

FOR SECURING EXTERNAL THREADS INTO NON-THREADED EQUIPMENT

- Brass, Nickel Plated Brass, Galvanized Steel & Aluminium designs
- Nickel Plated Brass backnuts should be used with Nickel plated Glands
- Brass backnuts recommended for most corrosive environments
- Aluminium backnuts should be used with aluminium glands
- Steel locknuts are primarily for dry, low humidity environments

### Specifications

| Design Reference |                       |          |           | Thread Size |      | Dimensions mm |         |       |
|------------------|-----------------------|----------|-----------|-------------|------|---------------|---------|-------|
| Brass            | Brass + nickel plated | Steel    | Aluminium | ISO mm      | NPT  | Thickness     | A/F     | A/C   |
| 429AA-51         | 429AA-51V             | 439AA-51 | 459AA-51  | 16          |      | 3.4           | 22.0    | 24.7  |
| 429AA-53         | 429AA-53V             | 439AA-53 | 459AA-53  | 20          |      | 3.4           | 22.5    | 25.5  |
| 429AA-55         | 429AA-55V             | 439AA-55 | 459AA-55  | 25          |      | 3.4           | 32.0    | 35.8  |
| 429AA-56         | 429AA-56V             | 439AA-56 | 459AA-56  | 32          |      | 3.4           | 41.0    | 45.2  |
| 429AA-57         | 429AA-57V             | 439AA-57 | 459AA-57  | 40          |      | 4.2           | 50.0    | 56.7  |
| 429AA-59         | 429AA-59V             | 439AA-59 | 459AA-59  | 50          |      | 4.2           | 60.0    | 65.7  |
| 429AA-61         | 429AA-61V             | 439AA-61 | 459AA-61  | 63          |      | 6.6           | 75.0    | 82.7  |
| 429AA-63         | 429AA-63V             | 439AA-63 | 459AA-63  | 75          |      | 9.2           | 85.0    | 94.7  |
| 429AA-64         | 429AA-64V             | 439AA-64 | 459AA-64  | 85          |      | 9.2           | 98.0    | 108.5 |
| 429AA-65         | 429AA-65V             |          |           | 90          |      | 9.4           | 104.9   | 115.6 |
| 429AA-66         | 429AA-66V             |          |           | 100         |      | 9.4           | 113.8   | 125.6 |
| 429AA-67         | 429AA-67V             |          |           | 110         |      | 13.5          | Ø 132.5 |       |
| 429NP-02         | 429NP-02V             |          | 459NP-02  |             | ½"   | 6.8           | 27.9    |       |
| 429NP-03         | 429NP-03V             |          | 459NP-03  |             | ¾"   | 6.8           | 37.6    |       |
| 429NP-04         | 429NP-04V             |          | 459NP-04  |             | 1"   | 6.8           | 47.2    |       |
| 429NP-05         | 429NP-05V             |          | 459NP-05  |             | 1 ¼" | 6.8           | 47.2    |       |
| 429NP-06         | 429NP-06V             |          | 459NP-06  |             | 1 ½" | 6.8           | 56.0    |       |
| 429NP-07         | 429NP-07V             |          | 459NP-07  |             | 2"   | 6.8           | 70.1    |       |
| 429NP-08         | 429NP-08V             |          | 459NP-08  |             | 2 ½" | 9.5           | 80.0    |       |
| 429NP-09         | 429NP-09V             |          | 459NP-09  |             | 3"   | 9.5           | 110.0   |       |
| 429NP-10         | 429NP-10V             |          | 459NP-10  |             | 3 ½" | 9.5           | 115.0   |       |

## Insulated Adaptors Ex d

Insulated adaptors provide a method of insulating cable glands from the equipment to which they are fixed. They are used where the enclosure is not relied upon for bonding the cable to the earth, for example:

- To prevent the heating effects of circulating currents.
- To segregate low voltage and high voltage earth fault paths.

|                      |   |
|----------------------|---|
| Impact Resistance:   | 7 Joules                                |
| Ambient Temperature: | -50°C to + 85°C                         |
| Thread Form:         | Metric                                  |
| Material:            | Brass                                   |
| Insulator:           | 30% glass filled nylon 12               |
| Certified:           | Exd IIC for hazardous area applications |

### ELECTRICAL PROPERTIES OF INSULATING MATERIAL

|                             |                                |
|-----------------------------|--------------------------------|
| Dielectrical strength:      | 90 kV/mm                       |
| Volume resistivity:         | 8.6 x 10 <sup>14</sup> ohms/cm |
| Min thickness of insulator: | 5mm +/- 1mm                    |
| 2kV 'Wet withstand' tested  |                                |

### Specifications

| Design Reference | Equipment Entry Thread Diam (Male) | Gland Entry Thread Diam (Female) | Total Length | Male Thread Length | Female Thread Length | Bore Diam |
|------------------|------------------------------------|----------------------------------|--------------|--------------------|----------------------|-----------|
| 481AA-53         | M20                                | M20                              | 54           | 16                 | 17                   | 13.5      |
| 481AA-55         | M25                                | M25                              | 54           | 16                 | 17                   | 19        |
| 481AA-56         | M32                                | M32                              | 54           | 16                 | 17                   | 25        |
| 481AA-57         | M40                                | M40                              | 54           | 16                 | 17                   | 30        |
| 481AA-59         | M50                                | M50                              | 54           | 16                 | 17                   | 40.5      |
| 481AA-61         | M63                                | M63                              | 54           | 16                 | 17                   | 53        |
| 481AA-63         | M75                                | M75                              | 54           | 16                 | 17                   | 65        |
| 481AA-64         | M85 x 2.0                          | M85 x 2.0                        | 63           | 20                 | 22                   | 75        |