

# Cable Gland Accessories and Tools

| Description | Box Quantity | Metric Catalog Number | Description | Box Quantity | NPT Catalog Number |
|-------------|--------------|-----------------------|-------------|--------------|--------------------|
|-------------|--------------|-----------------------|-------------|--------------|--------------------|

## Locknuts – Nickel Plated Brass

- Brass locknuts are recommended for use in securing brass cable glands to a gland plate or into equipment.



|      |     |               |        |     |                  |
|------|-----|---------------|--------|-----|------------------|
| M16  | 100 | <b>16LN5</b>  | 050NPT | 100 | <b>050NPTLN5</b> |
| M20  | 100 | <b>20LN5</b>  | 075NPT | 100 | <b>075NPTLN5</b> |
| M25  | 100 | <b>25LN5</b>  | 100NPT | 50  | <b>100NPTLN5</b> |
| M32  | 50  | <b>32LN5</b>  | 125NPT | 50  | <b>125NPTLN5</b> |
| M40  | 50  | <b>40LN5</b>  | 150NPT | 10  | <b>150NPTLN5</b> |
| M50  | 10  | <b>50LN5</b>  | 200NPT | 5   | <b>200NPTLN5</b> |
| M63  | 5   | <b>63LN5</b>  | 250NPT | 5   | <b>250NPTLN5</b> |
| M75  | 5   | <b>75LN5</b>  | 300NPT | 1   | <b>300NPTLN5</b> |
| M90  | 1   | <b>90LN5</b>  | 350NPT | 1   | <b>350NPTLN5</b> |
| M100 | 1   | <b>100LN5</b> | —      | —   | —                |

## Earth Tags – Pear (Nickel Plated Brass)

- Installed between the cable gland and equipment. Provide an earth bond connection as specified in BS 6121 : Part 5 : 1993.



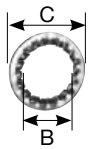
|      |     |               |        |     |                  |
|------|-----|---------------|--------|-----|------------------|
| M16  | 100 | <b>16ET5</b>  | 050NPT | 100 | <b>050NPTET5</b> |
| M20  | 100 | <b>20ET5</b>  | 075NPT | 100 | <b>075NPTET5</b> |
| M25  | 100 | <b>25ET5</b>  | 100NPT | 50  | <b>100NPTET5</b> |
| M32  | 50  | <b>32ET5</b>  | 125NPT | 50  | <b>125NPTET5</b> |
| M40  | 50  | <b>40ET5</b>  | 150NPT | 10  | <b>150NPTET5</b> |
| M50  | 10  | <b>50ET5</b>  | 200NPT | 5   | <b>200NPTET5</b> |
| M63  | 5   | <b>63ET5</b>  | 250NPT | 5   | <b>250NPTET5</b> |
| M75  | 5   | <b>75ET5</b>  | 300NPT | 1   | <b>300NPTET5</b> |
| M90  | 1   | <b>90ET5</b>  | 350NPT | 1   | <b>350NPTET5</b> |
| M100 | 1   | <b>100ET5</b> | —      | —   | —                |

# Cable Gland Accessories and Tools

## Serrated Washers – Stainless Steel

- Available in plated steel or stainless steel as standard, these "shake-proof" serrated washers fitted internally to the equipment and before a locknut act as an anti-vibration device to prevent the gland and locknut arrangement from inadvertently loosening in service.

|                                                                                   | Metric Thread | Metric Catalog Number | Box Quantity | NPT   | NPT Catalog Number | Box Quantity |
|-----------------------------------------------------------------------------------|---------------|-----------------------|--------------|-------|--------------------|--------------|
|  | M16           | <b>16SW4</b>          | 500          | —     | —                  | —            |
|                                                                                   | M20           | <b>20SW4</b>          | 500          | 1/2   | <b>050NPTSW4</b>   | 100          |
|                                                                                   | M25           | <b>25SW4</b>          | 500          | 3/4   | <b>075NPTSW4</b>   | 100          |
|                                                                                   | M32           | <b>32SW4</b>          | 200          | 1     | <b>100NPTSW4</b>   | 50           |
|                                                                                   | M40           | <b>40SW4</b>          | 100          | 1-1/4 | <b>125NPTSW4</b>   | 50           |
|                                                                                   | M50           | <b>50SW4</b>          | 100          | 1-1/2 | <b>150SPTNW4</b>   | 10           |
|                                                                                   | M63           | <b>63SW4</b>          | 50           | 2     | <b>200NPTSW4</b>   | 5            |
|                                                                                   | M75           | <b>75SW4</b>          | 50           | 2-1/2 | <b>250NPTSW4</b>   | 5            |
|                                                                                   | M90           | <b>90SW4</b>          | 10           | 3     | <b>300NPTSW4</b>   | 1            |
|                                                                                   | M100          | <b>100SW4</b>         | 10           | 3-1/2 | <b>350NPTSW4</b>   | 1            |

|                                                                                     | Metric Thread | NPT   | Dimensions mm (in) |            | Weight kg (lbs) |
|-------------------------------------------------------------------------------------|---------------|-------|--------------------|------------|-----------------|
|                                                                                     |               |       | B                  | C          |                 |
|  | M16           | —     | 19 (0.75)          | 25.4 (10)  | 0.01 (0.02)     |
|                                                                                     | M20           | 1/2   | 24 (0.94)          | 32 (1.26)  | 0.01 (0.02)     |
|                                                                                     | M25           | 3/4   | 33 (1.30)          | 40 (1.57)  | 0.01 (0.02)     |
|                                                                                     | M32           | 1     | 42 (1.65)          | 44 (1.73)  | 0.01 (0.02)     |
|                                                                                     | M40           | 1-1/4 | 55 (2.17)          | 59 (2.32)  | 0.02 (0.04)     |
|                                                                                     | M50           | 1-1/2 | 65 (2.56)          | 80 (3.15)  | 0.02 (0.04)     |
|                                                                                     | M63           | 2     | 70 (2.76)          | 100 (3.94) | 0.06 (0.13)     |
|                                                                                     | M75           | 2-1/2 | 85 (3.35)          | 112 (4.41) | 0.09 (0.20)     |
|                                                                                     | M90           | 3     | 100 (3.94)         | 120 (4.72) | 0.11 (0.24)     |
|                                                                                     | M100          | 3-1/2 | 110 (4.33)         | 150 (5.91) | 0.16 (0.35)     |

# Cable Gland Accessories and Tools

## For Cable Entries

### Entry Thread Seals – Sealing (IP) Washers

- It is essential to maintain the integrity of the degree of IP protection for which explosionproof equipment have been rated. The need for a sealing washer will depend on the IP rating, code of protection and the type of entry holes available within that equipment (e.g. for Ex e apparatus or terminal boxes which are permitted to have untapped through clearance holes it is necessary to fit a sealing washer to ensure that the minimum IP54 requirement is met). Other equipment with tapped entry holes may not require a sealing washer to maintain the rated integrity of the installation.
- Entry thread sealing washers are produced in 2mm thick white nylon as standard which are recommended and meet the specified requirements of Shell's Offshore operations.
- To verify the effectiveness of the nylon entry sealing washers, independent 3rd party tests to BS EN 60529:1992 have been conducted on certain cable gland types at IP66, IP67 and IP68 levels of protection. Documentation of these high standard tests is available upon request.

| Metric Catalog Number (White) |              |                | NPT Catalog Number (Green) |              |                  |
|-------------------------------|--------------|----------------|----------------------------|--------------|------------------|
| Description                   | Box Quantity |                | Description                | Box Quantity |                  |
| M16                           | 1000         | <b>16ETS2</b>  | 050NPT                     | 100          | <b>050NPTETS</b> |
| M20                           | 1000         | <b>20ETS2</b>  | 075NPT                     | 100          | <b>075NPTETS</b> |
| M25                           | 1000         | <b>25ETS2</b>  | 100NPT                     | 50           | <b>100NPTETS</b> |
| M32                           | 500          | <b>32ETS2</b>  | 125NPT                     | 50           | <b>125NPTETS</b> |
| M40                           | 200          | <b>40ETS2</b>  | 150NPT                     | 10           | <b>150NPTETS</b> |
| M50                           | 200          | <b>50ETS2</b>  | 200NPT                     | 5            | <b>200NPTETS</b> |
| M63                           | 100          | <b>63ETS2</b>  | 250NPT                     | 5            | <b>250NPTETS</b> |
| M75                           | 100          | <b>75ETS2</b>  | 300NPT                     | 1            | <b>300NPTETS</b> |
| M90                           | 10           | <b>90ETS2</b>  | 350NPT                     | 1            | <b>350NPTETS</b> |
| M100                          | 10           | <b>100ETS2</b> | —                          | —            | —                |



# Cable Gland Accessories and Tools

## For Cable Entries

| Cable Gland Size                                                                  |            | Catalog Number |
|-----------------------------------------------------------------------------------|------------|----------------|
| Lead Star Clamp for E2FX and E2FW Cable Glands Lead Sheath Continuity             |            |                |
|  | 2016       | 2016LSW        |
|                                                                                   | 20S        | 20SLSW         |
|                                                                                   | 20         | 20LSW          |
|                                                                                   | 25S and 25 | 25LSW          |
|                                                                                   | 32         | 32LSW          |
|                                                                                   | 40         | 40LSW          |
|                                                                                   | 50S        | 50SLSW         |
|                                                                                   | 50         | 50LSW          |
|                                                                                   | 63S        | 63SLSW         |
|                                                                                   | 63         | 63LSW          |
|                                                                                   | 75S        | 75SLSW         |
|                                                                                   | 75         | 75LSW          |
|                                                                                   | 90         | 90LSW          |
|                                                                                   | 100        | 100LSW         |