

# Amphenol®



## Amphenol® Industrial Cable Glands

Amphenol® Industrial Global Operations introduces a series of commercial liquid tight cable glands available both with Metric and PG threads, Metallic and Non-Metallic. These glands are suitable for a wide range of applications from manufacturing machinery to measurement and control equipment, like automation and robotics. These glands can connect to Amphenol Industrial Global Operations circular products with adaptors or be used individually. The commercial cable glands have been successfully used at major OEMs.

### Features:

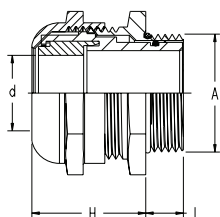
- Complete line of Metal and Nylon Industrial cable glands available
- Entry threads range from PG7 through PG48 and M12x1.5 through M90x2
- IP68 Rated
- Temp Range: -20°C~+105°C
- UL 94V-2 approved material

[www.amphenol-industrial.com](http://www.amphenol-industrial.com)



## Nylon Cable Glands

Material: Nylon 66 (UL Approved 94V-2)  
 Seal Ring: UL 94V-2(UL Approved 94V-2)  
 Thread Type: Metric , PG, NPT  
 Temp Range: Static: - 40°C ~ +100°C  
 Dynamic: - 20°C ~ + 80°C  
 Short Term: +120°C  
 Current Colors: Gray, Black



## Metal Cable Glands

Material: Brass with Nickel; Brass with Tin/Nickel  
 Clamping: UL approved PA6, 94V-0  
 Seal Ring: UL 94V-2 (UL approved NBR, 94V-2;UL approved DOW CORNING RUBBER, 94V-0)  
 Thread Type: Metric, PG, NPT  
 Protective: IP68 (tighten with o-ring)  
 Temp Range: - 40°C ~ +100°C  
 Torque Value (N-M) to tighten the fitting to the flexible cord: 6.25N-M  
 Torque Value (N-M) to tighten the fitting to the threaded hub: 4.17N-M  
 M12, M16, M20 are UL recognized under file # E339605



## Nylon Cable Glands

| AIGO Part    | Thread "A" | Max "d" (mm) | Cable Range (mm) | Thread "L" (mm) | Clamp "H" (mm) | Spanner "S" (mm) |
|--------------|------------|--------------|------------------|-----------------|----------------|------------------|
| AIO-CSM12    | M12x1.5    | 8            | 3 – 6.5          | 8               | 20             | 15               |
| AIO-CSM16    | M16x1.5    | 8            | 4 – 8            | 8               | 22             | 19               |
| AIO-CSM18    | M18x1.5    | 10           | 5 – 10           | 9               | 25             | 22               |
| AIO-CSM20    | M20x1.5    | 12           | 6 – 12           | 9               | 30             | 24               |
| AIO-CSM22    | M22x1.5    | 14           | 10 – 14          | 10              | 30             | 27               |
| AIO-CSM24    | M24x1.5    | 14           | 10 – 14          | 10              | 30             | 27               |
| AIO-CSM25    | M25x1.5    | 18           | 13 – 18          | 10              | 30             | 33               |
| AIO-CSM30    | M30x2.0    | 18           | 13 – 18          | 11              | 33             | 33               |
| AIO-CSM32    | M32x1.5    | 25           | 18 – 25          | 11              | 38             | 42               |
| AIO-CSM33    | M33x2.0    | 25           | 18 – 25          | 11              | 39             | 42               |
| AIO-CSM40    | M40x1.5    | 32           | 22 – 32          | 13              | 48             | 54               |
| AIO-CSM50    | M50x1.5    | 38           | 32 – 38          | 14              | 50             | 60               |
| AIO-CSM72    | M72x2.0    | 57           | 51 – 57          | 16              | 75             | 80               |
| AIO-CSIN1/2  | NPT1/2"    | 12           | 6 – 12           | 13.6            | 28             | 24               |
| AIO-CSIN3/4  | NPT3/4"    | 18           | 13 – 18          | 14.1            | 32             | 33               |
| AIO-CSIN5/4  | NPT1"1/4"  | 32           | 22 – 32          | 17.3            | 46             | 54               |
| AIO-CSIN3/2  | NPT1"1/2"  | 32           | 22 – 32          | 17.3            | 50             | 54               |
| AIO-CSGIN1/2 | G1/2"      | 12           | 6 – 12           | 9               | 26             | 24               |
| AIO-CSGIN3/4 | G3/4"      | 18           | 13 – 18          | 11              | 27             | 33               |
| AIO-CSGIN1   | G1"        | 25           | 18 – 25          | 11              | 33             | 42               |
| AIO-CSGIN5/4 | G1"1/4"    | 28           | 21 – 28          | 13              | 48             | 54               |
| AIO-CSGIN3/2 | G1"1/2"    | 32           | 22 – 32          | 13              | 48             | 54               |
| AIO-CSGIN5/2 | G2"1/2"    | 57           | 51 – 57          | 14              | 75             | 80               |
| AIO-CSPG7    | PG7        | 6.5          | 3 – 6.5          | 8               | 20             | 15               |
| AIO-CSPG9    | PG9        | 8            | 4 – 8            | 8               | 22             | 19               |
| AIO-CSPG11   | PG11       | 10           | 5 – 10           | 8               | 24             | 22               |
| AIO-CSPG13.5 | PG13.5     | 12           | 6 – 12           | 9               | 26             | 24               |
| AIO-CSPG16   | PG16       | 14           | 10 – 14          | 10              | 28             | 27               |
| AIO-CSPG21   | PG21       | 18           | 13 – 18          | 11              | 33             | 33               |
| AIO-CSPG29   | PG29       | 25           | 18 – 25          | 11              | 38             | 42               |
| AIO-CSPG36   | PG36       | 32           | 22 – 32          | 13              | 48             | 54               |
| AIO-CSPG42   | PG42       | 38           | 32 – 38          | 14              | 52             | 60               |

**For additional information on other products available refer to our Cord Grips & Cable Glands, Catalog 12-055.**

## Metal Cable Glands

| AIGO Part     | Thread "A" | Max "d" (mm) | Cable Range (mm) | Thread "L" (mm) | Clamp "H" (mm) | Spanner "S" (mm) |
|---------------|------------|--------------|------------------|-----------------|----------------|------------------|
| AIO-CSJM12    | M12x1.5    | 6.5          | 3 – 6.5          | 6.2             | 15             | 14               |
| AIO-CSJM14    | M14x1.5    | 8            | 4 – 8            | 5               | 19             | 15               |
| AIO-CSJM16    | M16x1.5    | 9            | 6 – 9            | 6.3             | 20             | 18               |
| AIO-CSJM18    | M18x1.5    | 10           | 5 – 10           | 7               | 20             | 22               |
| AIO-CSJM20    | M20x1.5    | 12           | 6 – 12           | 8.3             | 20             | 22               |
| AIO-CSJM22    | M22x1.5    | 14           | 10 – 14          | 8               | 24             | 24               |
| AIO-CSJM24    | M24x1.5    | 14           | 10 – 14          | 8               | 24             | 27               |
| AIO-CSJM25    | M25x1.5    | 18           | 13 – 18          | 7.8             | 23             | 30               |
| AIO-CSJM27    | M27x2.0    | 18           | 13 – 18          | 8               | 26             | 30               |
| AIO-CSJM30    | M30x2.0    | 18           | 13 – 18          | 8               | 26             | 32               |
| AIO-CSJM32    | M32x1.5    | 25           | 18 – 25          | 10              | 27             | 40               |
| AIO-CSJM36    | M36x2.0    | 25           | 18 – 25          | 10              | 34             | 40               |
| AIO-CSJM40    | M40x1.5    | 32           | 22 – 32          | 10              | 39             | 50               |
| AIO-CSJM50    | M50x1.5    | 38           | 32 – 38          | 11              | 39             | 60               |
| AIO-CSJM63    | M63x1.5    | 44           | 37 – 44          | 12              | 43             | 67               |
| AIO-CSJM72    | M72x2.0    | 52           | 46 – 52          | 16              | 47             | 75               |
| AIO-CSJM80    | M80x2.0    | 60           | 52 – 60          | 20              | 57             | 90               |
| AIO-CSJM90    | M90x2.0    | 70           | 62 – 70          | 20              | 57             | 100              |
| AIO-CSJIN1/2  | NPT1/2"    | 12           | 6 – 12           | 13.6            | 25             | 24               |
| AIO-CSJIN3/4  | NPT3/4"    | 18           | 13 – 18          | 14.1            | 26             | 30               |
| AIO-CSJIN5/4  | NPT1"1/4"  | 32           | 22 – 32          | 17.3            | 41             | 50               |
| AIO-CSJIN3/2  | NPT1"1/2"  | 32           | 22 – 32          | 17.3            | 46             | 50               |
| AIO-CSJIN2    | NPT2"      | 44           | 37 – 44          | 17.7            | 46             | 65               |
| AIO-CSJIN5/2  | NPT2 1/2"  | 52           | 46 – 52          | 23.7            | 58             | 80               |
| AIO-CSJIN3    | NPT3"      | 70           | 62 – 70          | 26              | 58             | 100              |
| AIO-CSJGIN1/2 | G1/2"      | 12           | 6 – 12           | 8               | 24             | 24               |
| AIO-CSJGIN3/4 | G3/4"      | 18           | 13 – 18          | 8               | 27             | 30               |
| AIO-CSJGIN1   | G1"        | 25           | 18 – 25          | 10              | 34             | 40               |
| AIO-CSJGIN5/4 | G1"1/4"    | 32           | 22 – 32          | 10              | 39             | 50               |
| AIO-CSJGIN3/2 | G1"1/2"    | 32           | 22 – 32          | 10              | 39             | 50               |
| AIO-CSJGIN2   | G2"        | 44           | 37 – 44          | 12              | 44             | 65               |
| AIO-CSJGIN5/2 | G2 1/2"    | 52           | 46 – 52          | 16              | 47             | 82               |
| AIO-CSJGIN3   | G3"        | 70           | 62 – 70          | 20              | 55             | 100              |
| AIO-CSJPG7    | PG7        | 6.5          | 3 – 6.5          | 6               | 18             | 14               |
| AIO-CSJPG9    | PG9        | 8            | 4 – 8            | 7               | 21             | 18               |
| AIO-CSJPG11   | PG11       | 10           | 5 – 10           | 7               | 20             | 22               |
| AIO-CSJPGM16  | M16x1.5    | 10           | 6.2 – 10         | 6.5             | 22             | 20               |
| AIO-CSJPG13.5 | PG13.5     | 12           | 6 – 12           | 8               | 24             | 22               |
| AIO-CSJPG16   | PG16       | 14           | 10 – 14          | 8               | 25             | 24               |
| AIO-CSJPG21   | PG21       | 18           | 13 – 18          | 8               | 26             | 30               |
| AIO-CSJPG36   | PG36       | 32           | 22 – 32          | 10              | 38             | 50               |
| AIO-CSJPG42   | PG42       | 38           | 32 – 38          | 11              | 42             | 60               |
| AIO-CSJPG48   | PG48       | 44           | 37 – 44          | 12              | 44             | 65               |

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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