


CS: 5.00 mm ± 0.13 mm (0.197" ± 0.005 "")
ID: 89.00 mm ± 0.75 mm (3.504" ± 0.030 "")

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|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
|  GLOBAL O-RING and SEAL ALL-AROUND BETTER | PART NUMBER N5.00X089 |
| 14450 John F. Kennedy Blvd. Houston, TX 77032 www.globaloring.com | Nitrile 70 Duro Metric O-Ring 5.00 mm CS X 89.00 mm ID |
| Information in this drawing is provided for reference only | |

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|-----------------|----------------------------|-------------------------------------|
| Compound | N70-A101 | Nitrile (Buna), General Purpose |
| | Temperature Range (Static) | -30°C to 121°C |
| | Specification: | M2BG714 A14 B14 EF11 EF21 EO14 EO34 |

Compound Previously Known As: N70101

| | | Required Results | Typical Results |
|-------------------|-------------------------------|------------------|-----------------|
| Properties | Hardness, (Shore A) | 70±5 | 70 |
| | Tensile Strength, psi(MPa) | 2031(min) | 2547 |
| | Elongation, (%) | 250(min) | 288 |
| | Modulus at 100%, psi(MPa) | | 816 |
| | Density, (Mg/m ³) | | 1.24 |
| A14 | Hardness Change, pts. | ±15 | +5 |
| | Tensile Strength Change, % | ±30 | +14 |
| | Elongation Change, % | -50(max) | -13 |
| | Weight Change, % | | -1.1 |
| B14 | - | 25%(button)(max) | 13 |
| EF11 | Hardness Change, pts. | ±10 | -4 |
| | Tensile Strength Change, % | -25(max) | -22 |
| | Elongation Change, % | -25(max) | -8 |
| | Volume Change, % | -5~+10 | +3 |
| EF21 | Hardness Change, pts. | -30~0 | -9 |
| | Tensile Strength Change, % | -60(max) | -18 |
| | Elongation Change, % | -60(max) | -21 |
| | Volume Change, % | 0~+40 | +12 |
| EO14 | Hardness Change, pts. | -5~+10 | +3 |
| | Tensile Strength Change, % | -25(max) | +6 |
| | Elongation Change, % | -45(max) | -18 |
| | Volume Change, % | -10~+5 | -4 |
| EO34 | Hardness Change, pts. | -10~+5 | -3 |
| | Tensile Strength Change, % | -45(max) | +5 |
| | Elongation Change, % | -45(max) | -20 |
| | Volume Change, % | 0~+25 | +10 |