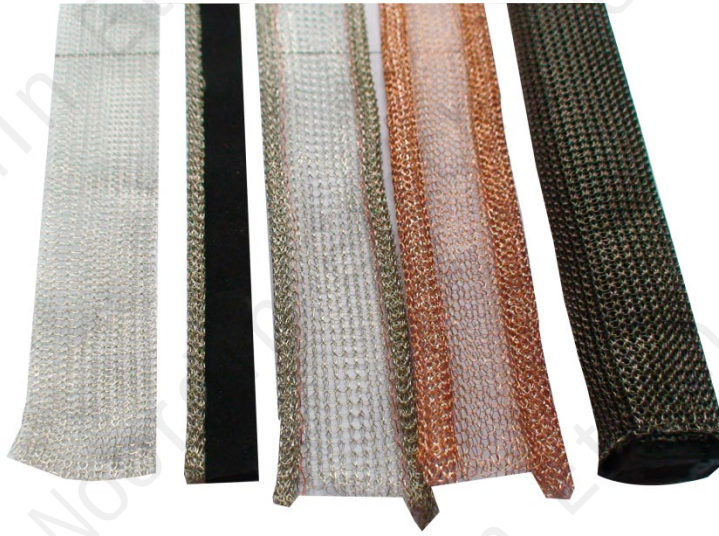




## Knitted Wire Mesh Gasket

### Knitted Wire Mesh Gasket



#### 1. Product Description

Metal Wire Knitting Mesh is a high-performance material made by interweaving metal wires into a mesh structure. It is primarily used for electromagnetic interference (EMI) shielding due to its excellent electrical conductivity and shielding effectiveness. The mesh provides effective isolation from electromagnetic waves and helps maintain the stability and reliability of electronic equipment.

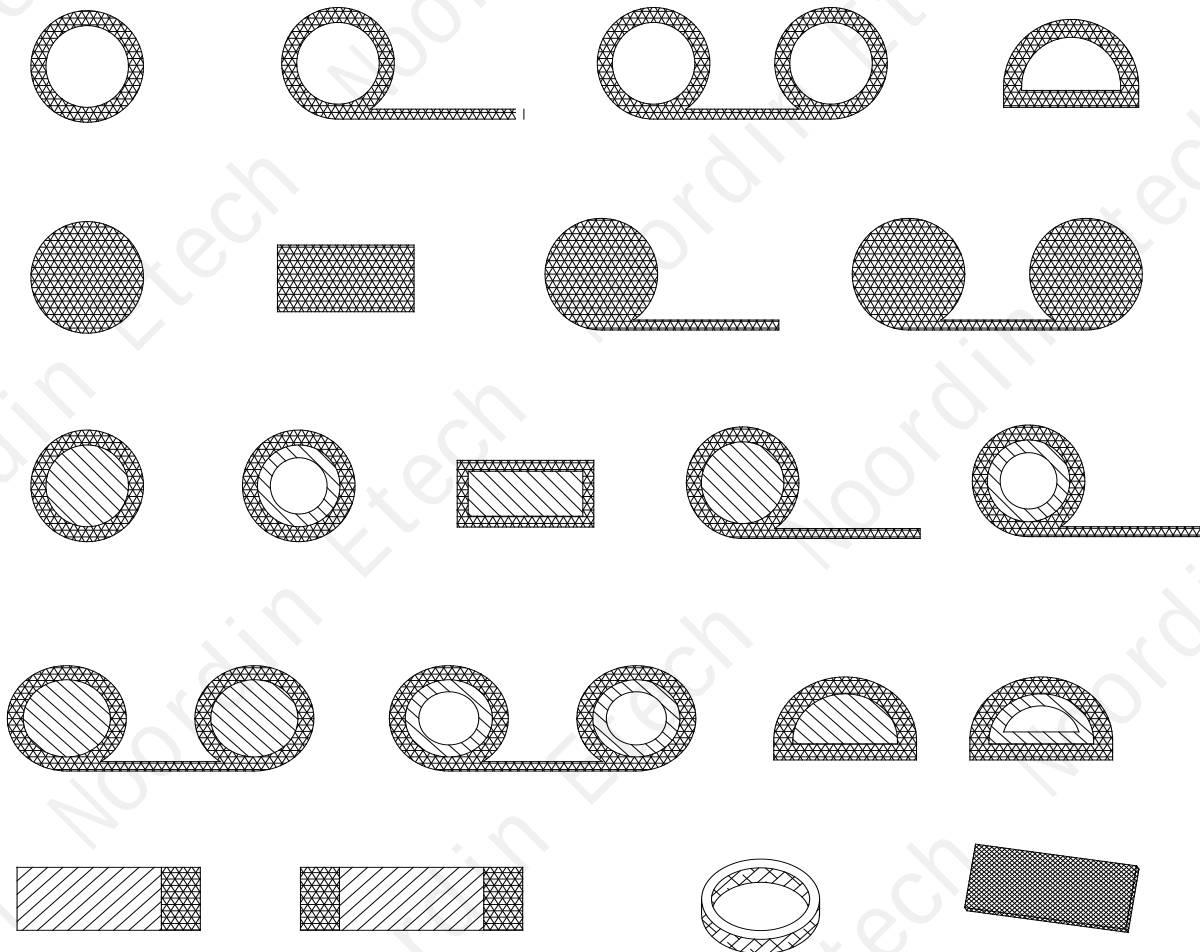
#### 2. Typical Applications

- Electronic Products
- Communication Devices
- Power Systems
- Base Stations
- Network Cabinets
- Industrial Control Systems

### 3. Product Features

- **High Shielding Effectiveness:** Excellent at attenuating electromagnetic waves, reducing EMI in electronic devices.
- **Durability:** Offers high mechanical strength and resistance to wear, ensuring long-lasting performance in demanding environments.
- **Corrosion Resistance:** Provides resistance to corrosion, making it suitable for use in harsh environments.
- **Customizable:** Mesh size, wire material, and surface treatment can be customized to meet specific requirements.

### 4. Technical Data



61. Hiflex Wire Knitting (Becu)

62. All mesh Knitting Mesh

63. Core Wire Knitting Mesh

64. Seal Knitting Mesh

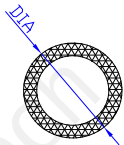
65. Knitting Washer

66. Wire Mesh Tape

**5. Outline Drawing (mm)****61- Hifelx Wire Knitting (Becu)**

6101-XXXX-4X

| Size Range | Tolerance |
|------------|-----------|
| 0-3.2      | +0.5/-0   |
| 3.3-9.5    | +0.8/-0   |
| 9.7-12.5   | +1.2/-0   |
| 12.7-25.4  | +1.6/-0   |

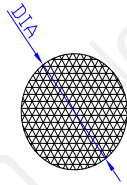


| P/N:                                                                                                                                  | Dia<br>(mm) | Groove Dim |       |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-------|
|                                                                                                                                       |             | H(mm)      | W(mm) |
| <b>6101-0101-4X</b>                                                                                                                   | 1.6         | 1.2        | 1.5   |
| <b>6101-0102-4X</b>                                                                                                                   | 2.4         | 1.8        | 2.3   |
| <b>6101-0103-4X</b>                                                                                                                   | 3.2         | 2.4        | 3.1   |
| <b>6101-0104-4X</b>                                                                                                                   | 4.0         | 3.0        | 3.8   |
| <b>6101-0105-4X</b>                                                                                                                   | 4.8         | 3.6        | 4.6   |
| <b>6101-0106-4X</b>                                                                                                                   | 6.4         | 4.8        | 6.1   |
| <b>6101-0107-4X</b>                                                                                                                   | 7.9         | 6.0        | 7.4   |
| <b>6101-0108-4X</b>                                                                                                                   | 9.5         | 7.1        | 9.1   |
| <b>6101-0109-4X</b>                                                                                                                   | 12.7        | 9.5        | 12.3  |
| <b>6101-0110-4X</b>                                                                                                                   | 15.9        | 12.5       | 15.4  |
| <b>6101-0111-4X</b>                                                                                                                   | 19.1        | 15.8       | 18.5  |
| <b>6101-0112-4X</b>                                                                                                                   | 25.4        | 20.1       | 24.7  |
| -4X: 40 Beryllium Copper / 47 Beryllium Copper Tin<br>Plated / 48 Beryllium Copper Nickel Plated / 49<br>Beryllium Copper Zinc Plated |             |            |       |

**62- All Mesh Wire Knitting**

6201-XXXX- X0

| Size Range | Tolerance |
|------------|-----------|
| 0-3.2      | +0.5/-0   |
| 3.3-9.5    | +0.8/-0   |
| 9.7-12.5   | +1.2/-0   |
| 12.7-25.4  | +1.6/-0   |



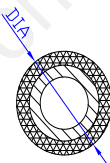
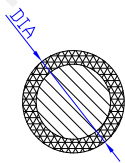
| P/N:                                 | Dia<br>(mm) | Groove Dim |       |
|--------------------------------------|-------------|------------|-------|
|                                      |             | H(mm)      | W(mm) |
| <b>6201-0101-X0</b>                  | 1.6         | 1.2        | 1.5   |
| <b>6201-0102-X0</b>                  | 2.4         | 1.8        | 2.3   |
| <b>6201-0103-X0</b>                  | 3.2         | 2.4        | 3.1   |
| <b>6201-0104-X0</b>                  | 4.0         | 3.0        | 3.8   |
| <b>6201-0105-X0</b>                  | 4.8         | 3.6        | 4.6   |
| <b>6201-0106-X0</b>                  | 6.4         | 4.8        | 6.1   |
| <b>6201-0107-X0</b>                  | 7.9         | 6.0        | 7.4   |
| <b>6201-0108-X0</b>                  | 9.5         | 7.1        | 9.1   |
| <b>6201-0109-X0</b>                  | 12.7        | 9.5        | 12.3  |
| -X0: 10 Monel/20 SCF/30 SS304/40Becu |             |            |       |

63- Core Wire Knitting

6301-XXXX-XX

| Size Range | Tolerance |
|------------|-----------|
| 0-3.2      | +/-0.5    |
| 3.3-9.5    | +/-0.8    |
| 9.7-12.5   | +1.0/-0.8 |
| 12.7-25.4  | +1.6/-1.0 |

| P/N:              | Sponge Dia | Total Dia | P/N:                       | Tube Dia | Total Dia |
|-------------------|------------|-----------|----------------------------|----------|-----------|
| 6301-0101-XX      | 1.6        | 2.5       | 6301-0201-XX               | 1.6      | 2.5       |
| 6301-0102-XX      | 3.2        | 4.1       | 6301-0202-XX               | 3.2      | 4.1       |
| 6301-0103-XX      | 4.8        | 5.7       | 6301-0203-XX               | 4.8      | 5.7       |
| 6301-0104-XX      | 6.4        | 7.2       | 6301-0204-XX               | 6.4      | 7.2       |
| 6301-0105-XX      | 7.9        | 8.8       | 6301-0205-XX               | 7.9      | 8.8       |
| 6301-0106-XX      | 9.5        | 10.4      | 6301-0206-XX               | 9.5      | 10.4      |
| 6301-0107-XX      | 12.7       | 13.6      | 6301-0207-XX               | 12.7     | 13.6      |
| -01 core is foam. |            |           | -02 core is silicone tube. |          |           |



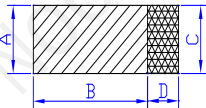
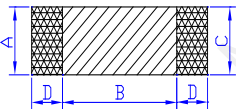
Material:

| -XX     | 1 Neoprene | 2 Silicone Rubber | 3 EPDM | 4 TPE | 5 Polyester Sponge |
|---------|------------|-------------------|--------|-------|--------------------|
| 1 Monel | -11        | -12               | -13    | -14   | -15                |
| 2 SCF   | -21        | -22               | -23    | -24   | -25                |
| 3 SS304 | -31        | -32               | -33    | -34   | -35                |
| 4 Becu  | -41        | -42               | -43    | -44   | -45                |

**64- Seal Knitting Mesh**

6402-XXXX-XX

| Size<br>Range | Tolerance |         |
|---------------|-----------|---------|
|               | A&B       | C&D     |
| 0-4.8         | +/-0.5    | +0.5/-0 |
| 4.9-9.5       | +/-0.8    | +0.8/-0 |
| 9.7-12.5      | +/-1.2    | +1.2/-0 |
| 12.7-25.4     | +/-1.6    | +1.6/-0 |

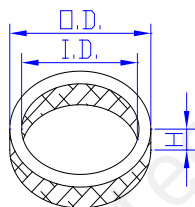
**-01****-02****-X0: Material**

| -XX     | 1<br>Neoprene | 2 Silicone<br>Rubber | 3 EPDM | 4 TPE | 5 Polyester<br>Sponge |
|---------|---------------|----------------------|--------|-------|-----------------------|
| 1 Monel | -11           | -12                  | -13    | -14   | -15                   |
| 2 SCF   | -21           | -22                  | -23    | -24   | -25                   |
| 3 SS304 | -31           | -32                  | -33    | -34   | -35                   |
| 4 Becu  | -41           | -42                  | -43    | -44   | -45                   |

| P/N:                       | A<br>(mm) | B<br>(mm) | C<br>(mm)                  | D<br>(mm) | P/N:                |
|----------------------------|-----------|-----------|----------------------------|-----------|---------------------|
| <b>6402-0101-XX</b>        | 1.6       | 6.4       | 1.6                        | 3.2       | <b>6402-0201-XX</b> |
| <b>6402-0102-XX</b>        | 1.6       | 9.5       | 1.6                        | 3.2       | <b>6402-0202-XX</b> |
| <b>6402-0103-XX</b>        | 2.4       | 9.5       | 2.4                        | 3.2       | <b>6402-0203-XX</b> |
| <b>6402-0104-XX</b>        | 2.4       | 12.7      | 2.4                        | 3.2       | <b>6402-0204-XX</b> |
| <b>6402-0105-XX</b>        | 3.2       | 3.2       | 3.2                        | 3.2       | <b>6402-0205-XX</b> |
| <b>6402-0106-XX</b>        | 3.2       | 4.8       | 3.2                        | 4.8       | <b>6402-0206-XX</b> |
| <b>6402-0107-XX</b>        | 3.2       | 6.4       | 3.2                        | 3.2       | <b>6402-0207-XX</b> |
| <b>6402-0108-XX</b>        | 3.2       | 6.4       | 3.2                        | 6.4       | <b>6402-0208-XX</b> |
| <b>6402-0109-XX</b>        | 3.2       | 9.5       | 3.2                        | 3.2       | <b>6402-0209-XX</b> |
| <b>6402-0110-XX</b>        | 3.2       | 15.9      | 3.2                        | 3.2       | <b>6402-0210-XX</b> |
| <b>6402-0111-XX</b>        | 4.8       | 4.8       | 4.8                        | 3.2       | <b>6402-0211-XX</b> |
| <b>6402-0112-XX</b>        | 4.8       | 6.4       | 4.8                        | 3.2       | <b>6402-0212-XX</b> |
| <b>6402-0113-XX</b>        | 4.8       | 12.7      | 4.8                        | 3.2       | <b>6402-0213-XX</b> |
| <b>6402-0114-XX</b>        | 6.4       | 6.4       | 6.4                        | 3.2       | <b>6402-0214-XX</b> |
| <b>6402-0115-XX</b>        | 6.4       | 12.7      | 6.4                        | 3.2       | <b>6402-0215-XX</b> |
| <b>6402-0116-XX</b>        | 9.5       | 12.7      | 9.5                        | 6.4       | <b>6402-0216-XX</b> |
| -01 Single-Sided Wire Mesh |           |           | -02 Double-Sided Wire Mesh |           |                     |

## 65- Knitting Washer

6501-XXXX-X0



| OD/ID \ H |      | 0.8  | 1.6  | 2.4  | 3.2  | 4.0  | 4.8  |
|-----------|------|------|------|------|------|------|------|
| OD        | ID   |      |      |      |      |      |      |
| 5.1       | 3.2  | 0101 | 0201 | 0301 | 0401 | 0501 | 0601 |
| 5.7       | 3.2  | 0102 | 0202 | 0302 | 0402 | 0502 | 0602 |
| 6.5       | 3.8  | 0103 | 0203 | 0303 | 0403 | 0503 | 0603 |
| 9.5       | 4.8  | 0104 | 0204 | 0304 | 0404 | 0504 | 0604 |
| 9.5       | 6.1  | 0105 | 0205 | 0305 | 0405 | 0505 | 0605 |
| 12.7      | 5.4  | 0106 | 0206 | 0306 | 0406 | 0506 | 0606 |
| 12.7      | 6.1  | 0107 | 0207 | 0307 | 0407 | 0507 | 0607 |
| 12.7      | 7.9  | 0108 | 0208 | 0308 | 0408 | 0508 | 0608 |
| 12.7      | 9.5  | 0109 | 0209 | 0309 | 0409 | 0509 | 0609 |
| 15.9      | 12.5 | 0110 | 0210 | 0310 | 0410 | 0510 | 0610 |
| 17.5      | 9.5  | 0111 | 0211 | 0311 | 0411 | 0511 | 0611 |
| 19.1      | 12.5 | 0112 | 0212 | 0312 | 0412 | 0512 | 0612 |
| 19.1      | 15.9 | 0113 | 0213 | 0313 | 0413 | 0513 | 0613 |
| 25.4      | 19.1 | 0114 | 0214 | 0314 | 0414 | 0514 | 0614 |
| 32.0      | 25.4 | 0115 | 0215 | 0315 | 0415 | 0515 | 0615 |

ID: inner Dia.

OD: outer Dia.

H: Height

### -X0: Material

10 Monel/ 20 SCF/ 30 SS304/ 40 Becu

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