

Metallic Liquidtight Cord and Cable Connectors

The Ranger® Series of Steel Liquidtight Cord Connectors

The Ranger® Series Steel Liquidtight Connector takes twice the cable range of most ordinary strain-relief connectors. T&B's Ranger Connectors enable you to reduce your inventory and save time with one connector that can do the work of two.



Features

- Extended range with superior strain relief
- Reduced overall size, fits into tighter spaces
- Gland nut designed to restrict cable bending

Materials

Body: Steel — 2920 series,
Malleable Iron — 4920
& 4960 series

Gland Nut, Grip: Steel — all series
Bushing: Rubber

Environment Classification

- Ordinary locations
- Wet or dry locations

Range

Cord Range: .125" to .950"

Hub Size Range: 1/2" to 1"

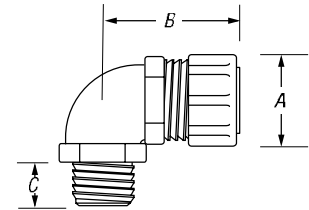
Application

- Provide means for passing a cord cable into an enclosure, through a bulkhead or into a rigid conduit
- Form a mechanical grip and water- and/or oil-resistant seal for cord
- Form a non-slip connection or termination for flexible cord

Cord & Cable Type

- S, SO, SV, ST, STD, SJ, SJO, SJT, SJTO, SVD

Steel Liquidtight Strain Relief Connectors — 90° Angle



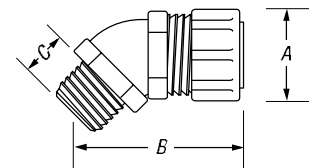
| CAT. NO. | HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|----------|-------------|------------|------------------|-------|--------|
| | | | | A | B | C |
| 4960 | 1/2" | 19/32 | .125-.375 | 1 1/8 | 1 3/4 | 5/8 |
| 4961 | 1/2" | 19/32 | .310-.560 | 1 1/8 | 1 3/4 | 5/8 |
| 4962 | 1/2" | 19/32 | .500-.750 | 1 1/8 | 1 7/8 | 5/8 |
| 4970 | 3/4" | 25/32 | .125-.375 | 1 1/8 | 1 7/8 | 1 1/16 |
| 4971 | 3/4" | 25/32 | .310-.560 | 1 1/8 | 1 7/8 | 1 1/16 |
| 4972 | 3/4" | 25/32 | .500-.750 | 1 1/8 | 1 7/8 | 1 1/16 |
| 4980 | 1" | 1 | .310-.560 | 1 1/8 | 2 1/8 | 1 3/16 |

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UL File No. E-13938

CSA File No. 52391

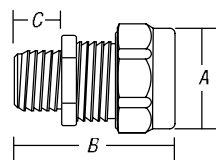
Steel Liquidtight Strain Relief Connectors — 45° Angle



| CAT. NO. | HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|----------|-------------|------------|------------------|--------|-------|
| | | | | A | B | C |
| 4920 | 1/2" | 37/64 | .125-.375 | 1 1/8 | 1 1/16 | 47/64 |
| 4921 | 1/2" | 37/64 | .310-.560 | 1 1/8 | 1 1/16 | 47/64 |
| 4922 | 1/2" | 37/64 | .500-.750 | 1 1/8 | 1 1/16 | 47/64 |
| 4930 | 3/4" | 25/32 | .125-.375 | 1 1/8 | 1 1/16 | 5/8 |
| 4931 | 3/4" | 25/32 | .310-.560 | 1 1/8 | 1 1/16 | 5/8 |
| 4932 | 3/4" | 25/32 | .500-.750 | 1 1/8 | 1 1/16 | 5/8 |

For wire mesh grips, refer to page E-142.

Steel Liquidtight Strain Relief Connectors — Straight



| CAT. NO. | HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|----------|-------------|------------|------------------|-------|-------|
| | | | | A | B | C |
| 2920 | 1/2" | 47/64 | .125-.375 | 1 1/8 | 1 3/4 | 5/8 |
| 2921 | 1/2" | 47/64 | .310-.560 | 1 1/8 | 1 3/4 | 5/8 |
| 2922 | 1/2" | 47/64 | .500-.750 | 1 1/8 | 1 3/4 | 5/8 |
| 2930 | 3/4" | 13/16 | .125-.375 | 1 1/8 | 1 7/8 | 5/8 |
| 2931 | 3/4" | 13/16 | .310-.560 | 1 1/8 | 1 7/8 | 5/8 |
| 2932 | 3/4" | 13/16 | .500-.750 | 1 1/8 | 1 7/8 | 5/8 |
| 2940 | 1" | 1 1/16 | .310-.560 | 1 1/8 | 1 3/4 | 3/4 |
| 2941 | 1" | 1 1/16 | .500-.750 | 1 1/8 | 1 3/4 | 3/4 |
| 2942 | 1" | 31/32 | .700-.950 | 1 1/8 | 1 1/8 | 31/32 |

Metallic Liquidtight Cord and Cable Connectors

The Ranger® Series of Non-Metallic Liquidtight Cord Connectors

The Ranger® Series Non-Metallic Liquidtight Cord Connector takes twice the cable range of most ordinary strain-relief connectors. T&B's Ranger Connectors enable you to reduce your inventory and save time with one connector that can do the work of two. The sturdy nylon material adds corrosion resistance to your installation.



Application

- Provide means for passing a cord into an enclosure or through a bulkhead or into a rigid conduit
- Form a mechanical grip and water- and/or oil-resistant seal for cord
- Form a nonslip connection or termination for flexible cord, cable (armored or unarmored)

Cord & Cable Type

- S, SO, SV, ST, STD, SJ, SJO, SJT, SJTO, SVD

Features

- Extended range with superior strain relief
- Reduced overall size, fits into tighter spaces
- Gland nut designed to restrict cable bending

Materials

Weather-stabilized nylon, temperature rated -34° C to 105° C

Bushing: Rubber

Environment Classification

Ordinary locations

Wet or dry locations

Range

Cord Range: Straight — .125" to .950"

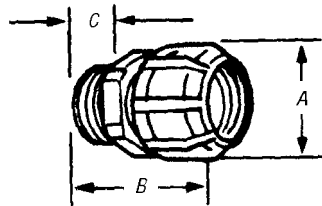
90° — .125" to .750"

Hub Size Range: Straight — ½" to 1"

90° — ½" to ¾"

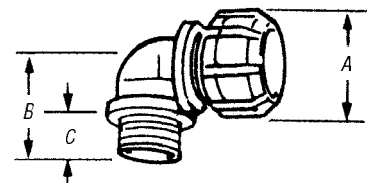
Listings/Compliances

UL Type 6 and 4X



Non-Metallic Liquidtight Strain Relief Connector — Straight

| CAT. NO. | TRADE OR HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|-------------------|-------------|------------|------------------|--------|-------|
| | | | | A | B | C |
| 2920NM | ½" | .55 | .125-.375 | 1½/32 | 2½/16 | ¾ |
| 2921NM | ½" | .55 | .310-.560 | 1½/32 | 2½/16 | ¾ |
| 2922NM | ½" | .55 | .500-.750 | 1¹³/₃₂ | 2⁵/₃₂ | ⁵/₈ |
| 2930NM | ¾" | .79 | .125-.375 | 1¹³/₃₂ | 2³/₁₆ | ⁵/₈ |
| 2931NM | ¾" | .79 | .310-.560 | 1¹³/₃₂ | 2³/₁₆ | ⁵/₈ |
| 2932NM | ¾" | .79 | .500-.750 | 1¹³/₃₂ | 2³/₁₆ | ⁵/₈ |
| 2940NM | 1" | .98 | .310-.560 | 1¹³/₃₂ | 2¹¹/₃₂ | 2⁵/₃₂ |
| 2941NM | 1" | .98 | .500-.750 | 1¹³/₃₂ | 2¹¹/₃₂ | 2⁵/₃₂ |
| 2942NM | 1" | .98 | .700-.950 | 1⁴³/₆₄ | 2³/₈ | 2⁵/₃₂ |



Non-Metallic Liquidtight Strain Relief Connector — 90° Elbow

| CAT. NO. | TRADE OR HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|-------------------|-------------|------------|------------------|------|-----|
| | | | | A | B | C |
| 4960NM | ½" | .55 | .125-.375 | 1½/32 | 1¼ | ¾ |
| 4961NM | ½" | .55 | .310-.560 | 1½/32 | 1¼ | ¾ |
| 4970NM | ¾" | .79 | .125-.375 | 1¹³/₃₂ | 1³/₈ | ⁵/₈ |
| 4971NM | ¾" | .79 | .310-.560 | 1¹³/₃₂ | 1³/₈ | ⁵/₈ |
| 4972NM | ¾" | .79 | .500-.750 | 1¹³/₃₂ | 1³/₈ | ⁵/₈ |

UL File No. E 13938

CSA File No. 52391

Meets Coast Guard CG293

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& 4960 series

Gland Nut, Grip: Steel — all series
Bushing: Rubber

Environment Classification

- Ordinary locations
- Wet or dry locations

Range

Cord Range: .125" to .950"

Hub Size Range: 1/2" to 1"

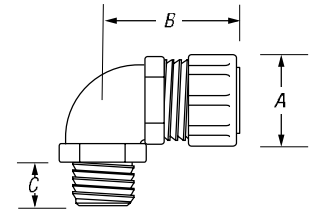
Application

- Provide means for passing a cord cable into an enclosure, through a bulkhead or into a rigid conduit
- Form a mechanical grip and water- and/or oil-resistant seal for cord
- Form a non-slip connection or termination for flexible cord

Cord & Cable Type

- S, SO, SV, ST, STD, SJ, SJO, SJT, SJTO, SVD

Steel Liquidtight Strain Relief Connectors — 90° Angle



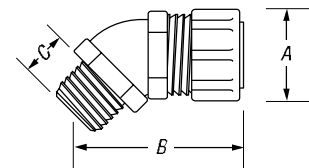
| CAT. NO. | HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|----------|-------------|------------|------------------|-------|--------|
| | | | | A | B | C |
| 4960 | 1/2" | 19/32 | .125-.375 | 1 1/8 | 1 3/4 | 5/8 |
| 4961 | 1/2" | 19/32 | .310-.560 | 1 1/8 | 1 3/4 | 5/8 |
| 4962 | 1/2" | 19/32 | .500-.750 | 1 1/8 | 1 5/8 | 5/8 |
| 4970 | 3/4" | 25/32 | .125-.375 | 1 1/8 | 1 5/8 | 1 1/16 |
| 4971 | 3/4" | 25/32 | .310-.560 | 1 1/8 | 1 5/8 | 1 1/16 |
| 4972 | 3/4" | 25/32 | .500-.750 | 1 1/8 | 1 5/8 | 1 1/16 |
| 4980 | 1" | 1 | .310-.560 | 1 1/8 | 2 1/8 | 1 3/16 |

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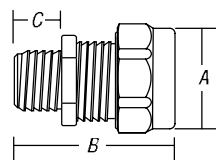
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| CAT. NO. | HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|----------|-------------|------------|------------------|--------|-------|
| | | | | A | B | C |
| 4920 | 1/2" | 37/64 | .125-.375 | 1 1/8 | 1 1/16 | 47/64 |
| 4921 | 1/2" | 37/64 | .310-.560 | 1 1/8 | 1 1/16 | 47/64 |
| 4922 | 1/2" | 37/64 | .500-.750 | 1 1/8 | 1 1/16 | 47/64 |
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| 4931 | 3/4" | 25/32 | .310-.560 | 1 1/8 | 1 1/16 | 5/8 |
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Steel Liquidtight Strain Relief Connectors — Straight



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| 2920 | 1/2" | 47/64 | .125-.375 | 1 1/8 | 1 3/4 | 5/8 |
| 2921 | 1/2" | 47/64 | .310-.560 | 1 1/8 | 1 3/4 | 5/8 |
| 2922 | 1/2" | 47/64 | .500-.750 | 1 1/8 | 1 3/4 | 5/8 |
| 2930 | 3/4" | 13/16 | .125-.375 | 1 1/8 | 1 5/8 | 5/8 |
| 2931 | 3/4" | 13/16 | .310-.560 | 1 1/8 | 1 5/8 | 5/8 |
| 2932 | 3/4" | 13/16 | .500-.750 | 1 1/8 | 1 5/8 | 5/8 |
| 2940 | 1" | 1 1/16 | .310-.560 | 1 1/8 | 1 3/4 | 3/4 |
| 2941 | 1" | 1 1/16 | .500-.750 | 1 1/8 | 1 3/4 | 3/4 |
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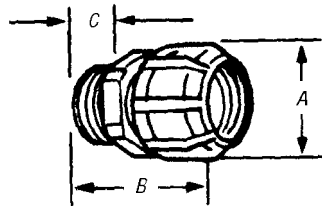
90° — .125" to .750"

Hub Size Range: Straight — ½" to 1"

90° — ½" to ¾"

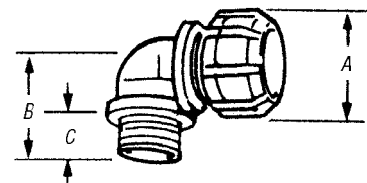
Listings/Compliances

UL Type 6 and 4X



Non-Metallic Liquidtight Strain Relief Connector — Straight

| CAT. NO. | TRADE OR HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|-------------------|-------------|------------|------------------|-------|---|
| | | | | A | B | C |
| 2920NM | ½" | .55 | .125-.375 | 1½/32 | 2½/16 | ¾ |
| 2921NM | ½" | .55 | .310-.560 | 1½/32 | 2½/16 | ¾ |
| 2922NM | ½" | .55 | .500-.750 | 1½/32 | 2½/32 | ¾ |
| 2930NM | ¾" | .79 | .125-.375 | 1½/32 | 2½/16 | ¾ |
| 2931NM | ¾" | .79 | .310-.560 | 1½/32 | 2½/16 | ¾ |
| 2932NM | ¾" | .79 | .500-.750 | 1½/32 | 2½/16 | ¾ |
| 2940NM | 1" | .98 | .310-.560 | 1½/32 | 2½/32 | ¾ |
| 2941NM | 1" | .98 | .500-.750 | 1½/32 | 2½/32 | ¾ |
| 2942NM | 1" | .98 | .700-.950 | 1½/32 | 2½/32 | ¾ |



Non-Metallic Liquidtight Strain Relief Connector — 90° Elbow

| CAT. NO. | TRADE OR HUB SIZE | THROAT DIA. | CORD RANGE | DIMENSIONS (IN.) | | |
|----------|-------------------|-------------|------------|------------------|----|---|
| | | | | A | B | C |
| 4960NM | ½" | .55 | .125-.375 | 1½/32 | 1¼ | ¾ |
| 4961NM | ½" | .55 | .310-.560 | 1½/32 | 1¼ | ¾ |
| 4970NM | ¾" | .79 | .125-.375 | 1½/32 | 1¾ | ¾ |
| 4971NM | ¾" | .79 | .310-.560 | 1½/32 | 1¾ | ¾ |
| 4972NM | ¾" | .79 | .500-.750 | 1½/32 | 1¾ | ¾ |

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Meets Coast Guard CG293