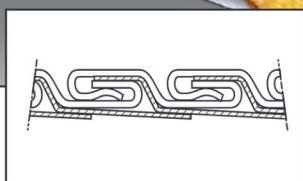


# HOSE TEC® **TOUGH**

## METAL HOSE™



## Smooth Bore (lined) Interlocked Metal Hose

**HTSS5000 Series**

**HTGS5000 Series**

**HTGG5000 Series**

Hose Material Indicated by Directional Arrow Color

| Arrow Color | Armor Material | Liner Material |
|-------------|----------------|----------------|
| RED         | Stainless      | Stainless      |
| BLUE        | Galvanized     | Stainless      |
| BLACK       | Galvanized     | Galvanized     |

**Construction:** Two strips of galvanized or 304 stainless steel wound into an interlocked metal hose consisting of an outer cover (referred to as the armor) and smooth inner liner, with or without packing materials.

**Max Service Temperature:** Galvanized: to 750°F (399°C),  
Stainless: to 1,500°F (816°C)

Note: for packed hoses service temperature see page 19.

### Features and Advantages:

- **Highly Abrasion Resistant and Durable** – steel construction resists damage from abrasive and damaging materials. Additionally, liner material provides extra layer of protection for longer hose life.
- **Smooth Bore** – reduces degradation of the transferred materials and improves flow rates. Helps prevent “angel hairing.”

### Applications:

- Abrasive material handling
- Bulk truck and railcar unloading
- Dry bulk transfer
- Grain handling
- Transfer of high temperature air, gasses and materials (Not for use with hot tar and asphalt applications)
- Plastic Pellet Transfer
- **Corrosion Resistant (Stainless Only)** – 304 stainless version resists corrosion making it resistant to the elements.
- **Heat Resistant** – can withstand very high temperatures allowing for the transfer of hot materials. (Not for use with hot tar and asphalt applications)
- **Conductive** – prevents the build-up of static electricity eliminating the risk of “hose arcing”.

## Nominal Specifications

| Series   | Armor         |                  |                 | Liner         |                     |                 |                       |
|----------|---------------|------------------|-----------------|---------------|---------------------|-----------------|-----------------------|
|          | Weight        | Material         | Thickness (in.) | Weight        | Material            | Thickness (in.) | Standard Length (ft.) |
| HTGG5150 | Light Weight  | Galvanized Steel | 0.0150          | Light Weight  | Galvanized Steel    | 0.0150          | 25                    |
| HTGS5150 | Light Weight  | Galvanized Steel | 0.0150          | Light Weight  | 304 Stainless Steel | 0.0150          | 25                    |
| HTSS5150 | Light Weight  | 304 Stainless    | 0.0150          | Light Weight  | 304 Stainless Steel | 0.0150          | 25                    |
| HTGG5180 | Medium Weight | Galvanized Steel | 0.0180          | Light Weight  | Galvanized Steel    | 0.0150          | 25                    |
| HTGS5180 | Medium Weight | Galvanized Steel | 0.0180          | Light Weight  | 304 Stainless Steel | 0.0150          | 25                    |
| HTSS5180 | Medium Weight | 304 Stainless    | 0.0180          | Light Weight  | 304 Stainless Steel | 0.0150          | 25                    |
| HTSS5250 | Heavy Weight  | 304 Stainless    | 0.0250          | Medium Weight | 304 Stainless Steel | 0.0180          | 25                    |



## Smooth Bore (lined) Interlocked Metal Hose

**HTSS5000 Series**

**HTGS5000 Series**

**HTGG5000 Series**

### Nominal Specifications

| Hose Size<br>I.D.<br>(in.) | HT _ 5150 Series                                                                          |                      | HT _ 5180 Series                                                                          |                      | HT _ 5250 Series                       |                      |
|----------------------------|-------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------|----------------------|----------------------------------------|----------------------|
|                            | HTGG – Galv. Armor/Galv. Liner<br>HTGS – Galv. Armor/SS Liner<br>HTSS – SS Armor/SS Liner |                      | HTGG – Galv. Armor/Galv. Liner<br>HTGS – Galv. Armor/SS Liner<br>HTSS – SS Armor/SS Liner |                      | HTSS – SS Armor/SS Liner               |                      |
|                            | Lt. Wt. Armor/Lt. Wt. Liner                                                               |                      | Med. Wt. Armor/Lt. Wt. Liner                                                              |                      | Hvy. Wt. Armor/Med. Wt. Liner          |                      |
|                            | Minimum<br>Inside Bend<br>Radius (in.)                                                    | Weight<br>(lbs./ft.) | Minimum<br>Inside Bend<br>Radius (in.)                                                    | Weight<br>(lbs./ft.) | Minimum<br>Inside Bend<br>Radius (in.) | Weight<br>(lbs./ft.) |
| 1½                         | 5.63                                                                                      | 1.10                 | 6.00                                                                                      | 1.50                 | —                                      | —                    |
| 1¾                         | 6.50                                                                                      | 1.35                 | 7.00                                                                                      | 1.70                 | —                                      | —                    |
| 2                          | 7.50                                                                                      | 1.60                 | 8.00                                                                                      | 1.90                 | —                                      | —                    |
| 2¼                         | 8.50                                                                                      | 1.90                 | 9.50                                                                                      | 2.10                 | —                                      | —                    |
| 2½                         | 9.50                                                                                      | 2.10                 | 10.50                                                                                     | 2.30                 | —                                      | —                    |
| 2¾                         | 10.50                                                                                     | 2.30                 | 12.50                                                                                     | 2.50                 | —                                      | —                    |
| 3                          | 11.50                                                                                     | 2.50                 | 14.00                                                                                     | 2.80                 | 17.50                                  | 3.75                 |
| 3½                         | 13.50                                                                                     | 2.90                 | 15.00                                                                                     | 3.20                 | 18.50                                  | 4.35                 |
| 4                          | 15.00                                                                                     | 3.40                 | 16.00                                                                                     | 3.60                 | 19.50                                  | 5.10                 |
| 4½                         | 17.00                                                                                     | 3.75                 | 18.50                                                                                     | 4.00                 | 22.00                                  | 5.40                 |
| 5                          | 18.50                                                                                     | 4.10                 | 20.50                                                                                     | 4.70                 | 24.00                                  | 5.60                 |
| 6                          | 22.00                                                                                     | 4.90                 | 24.50                                                                                     | 5.60                 | 30.00                                  | 6.25                 |
| 7                          | 26.50                                                                                     | 5.80                 | 29.00                                                                                     | 6.60                 | 34.00                                  | 7.80                 |
| 8                          | 30.50                                                                                     | 6.60                 | 31.50                                                                                     | 7.70                 | 37.00                                  | 8.80                 |
| 10                         | —                                                                                         | —                    | 39.50                                                                                     | 9.70                 | 43.00                                  | 11.00                |
| 12                         | —                                                                                         | —                    | 47.00                                                                                     | 11.70                | 52.00                                  | 13.00                |
| 14                         | —                                                                                         | —                    | 55.00                                                                                     | 13.50                | 60.00                                  | 15.50                |
| 16                         | —                                                                                         | —                    | 63.00                                                                                     | 15.00                | 69.00                                  | 18.00                |

**NOTE:** Standard coil length is 25 ft., **WHEN FULLY EXTENDED;** other lengths available on request.