



GRINNELL Mechanical Products Figure 707 Heavy Duty Flexible Coupling 1 to 24 Inch (DN25 to DN600)

General Description

GRINNELL Figure 707 Heavy-Duty Flexible Couplings allow for angular and linear deflection, thermal expansion and contraction, and misalignments of the pipe. Flexible couplings can act as an expansion joint, allowing linear and angular movement of the pipes when properly installed. This coupling, in sizes 6 inch and smaller, is capable of pressures up to 1,000 psi (68,9 bar).

Suitable for use in a variety of applications, the Figure 707 Coupling provides a dependable method of joining pipe.

NOTICE

The GRINNELL Figure 707 Grooved Rigid Coupling described herein must be installed and maintained in compliance with this document, as well as with the applicable standards of the Approval agency, in addition to the standards of any other authorities having jurisdiction. Failure to do so may result in serious personal injury or impair the performance of these devices.

Never remove any piping component nor correct or modify any piping deficiencies without first de-pressurizing and draining the system. Failure to do so may result in serious personal injury, property damage, and/or impaired device performance.

The designer is responsible for selecting products suitable for the intended service and to ensure that pressure ratings and performance data are not exceeded. Verify that material and gasket selection are compatible with the specific application. Always read and understand the installation instructions.

The owner is responsible for maintaining their mechanical system and devices in proper operating condition. Contact the installing contractor or device manufacturer with any questions.

Technical Data

Approvals

UL and ULC Listed
FM Approved
VdS Approved
LPCB Cert. Nos. 669a and 673a

Note: The listed approvals apply to all of the flexible couplings except the 76,1 mm (DN65) and 20 Inch (DN500) sizes.

Sizes

1 Inch to 24 Inch
DN25 to DN600

Maximum Pressure

Refer to Table 1

Housing

Ductile iron conforming to ASTM A 536, Grade 65-45-12

Finish

- Orange non-lead paint (standard)
- Red non-lead paint
- Hot-dipped Galvanized conforming to ASTM A 153

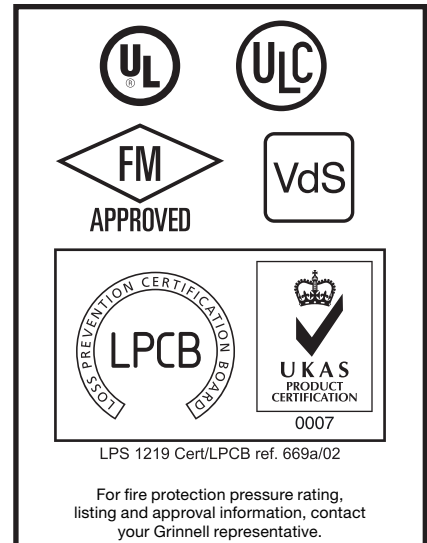
Bolts/Nuts

- ANSI: Carbon Steel oval neck track head bolts are heat-treated and conform to the physical properties of ASTM A 183 Grade 2 and SAE J429 Grade 5 with a minimum tensile strength of 110,000 psi.

Carbon Steel heavy hex nuts conform to the physical properties of ASTM A 183 Grade 2 and SAE J995 Grade 5. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.

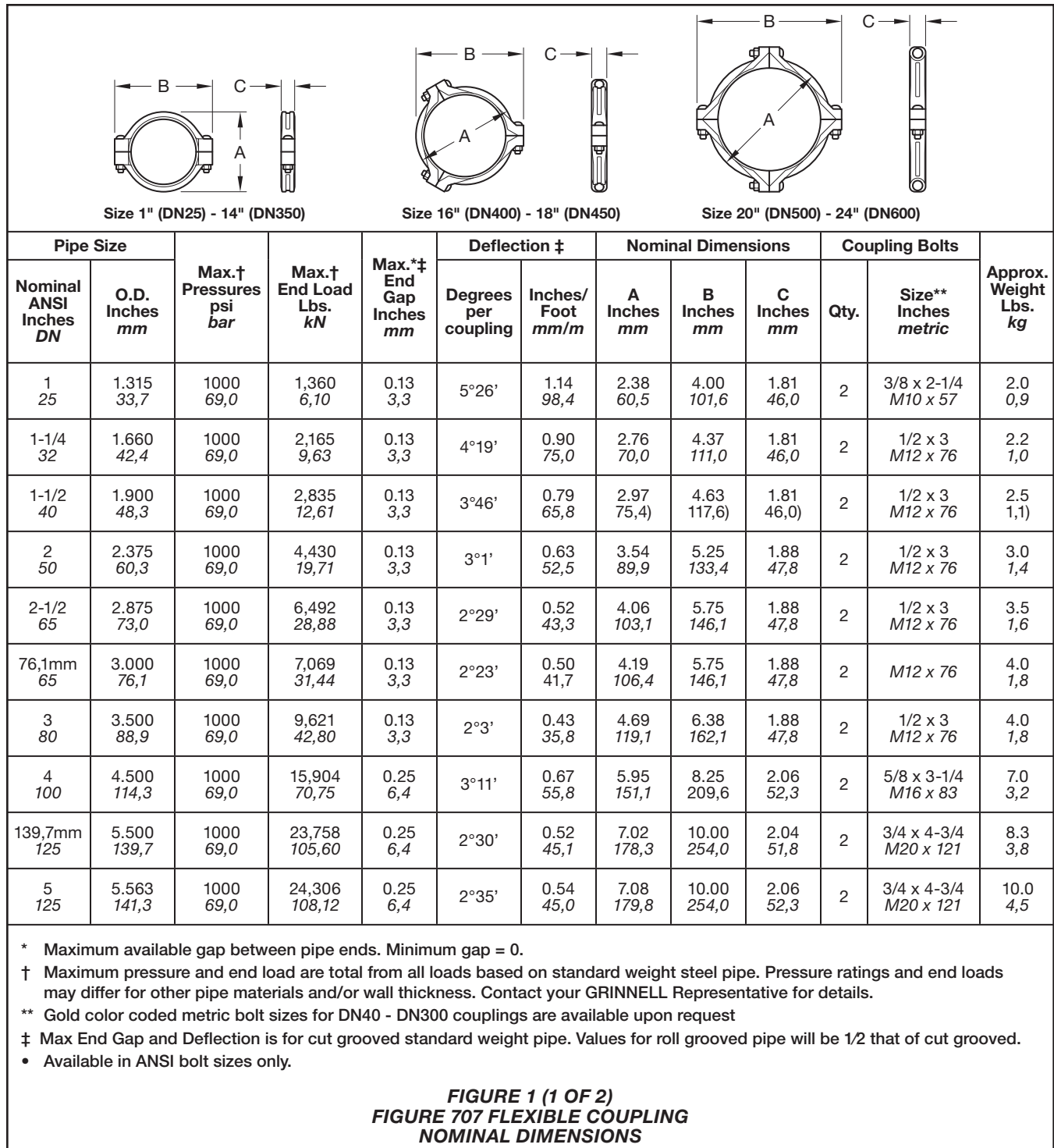
Stainless Steel Bolts and Nuts are available upon request.

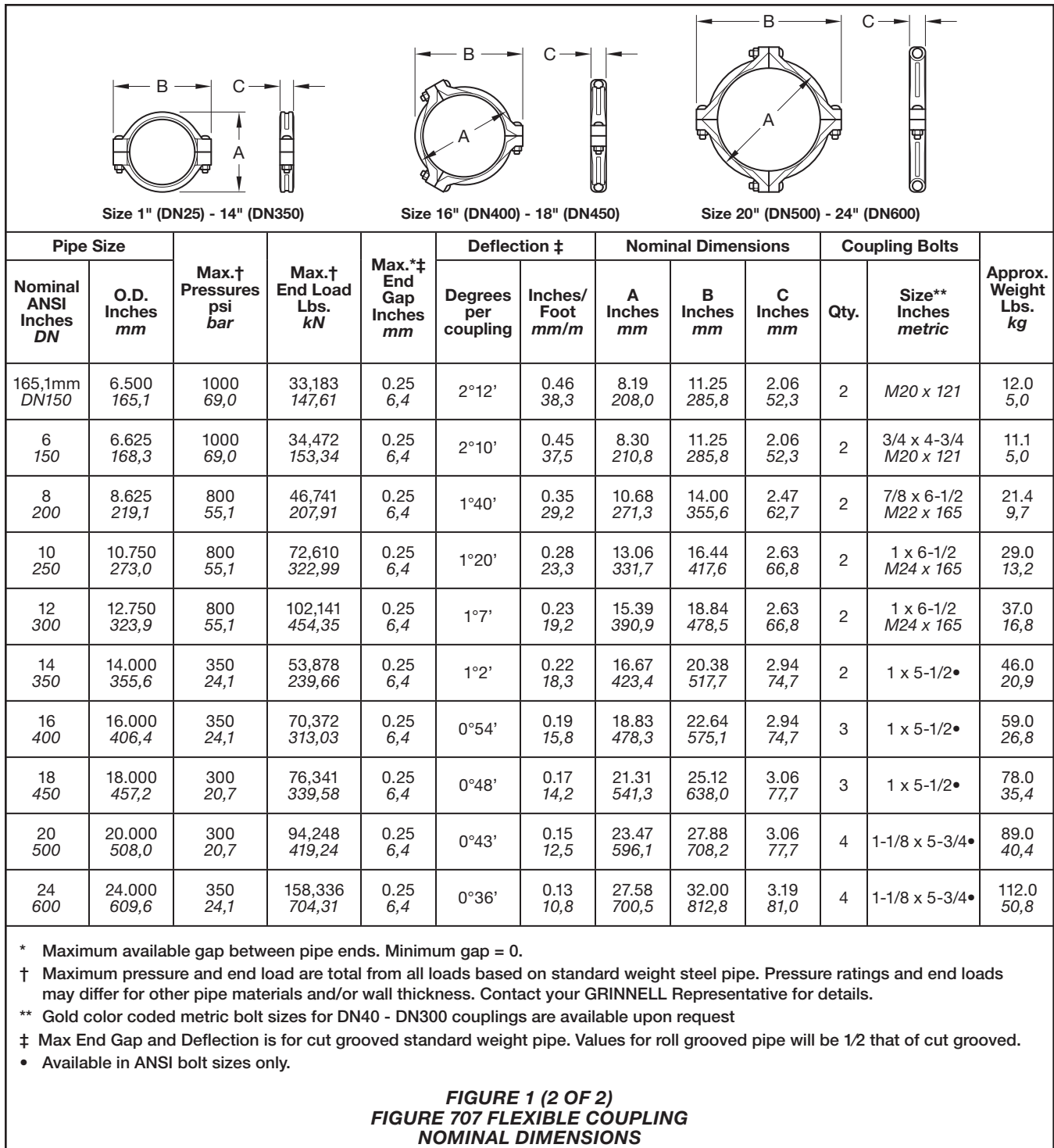
- Metric: Carbon steel oval neck track head bolts (Gold color coded) are heat-treated and conform to the physical properties of ASTM F 568 M with a minimum tensile strength of 760 MPa.



For warranty terms and conditions, visit www.grinnell.com

Carbon Steel heavy hex nuts conform to the physical properties of ASTM A 563 M Class 9. Bolts and nuts are zinc-electroplated conforming to ASTM B 633.





Gaskets

- Grade “E” EPDM,
Green color code,
-30°F to 230°F (-34°C to 110°C)
- Tri-Seal Grade “E” EPDM,
Green color code,
-30°F to 230°F (-34°C to 110°C)

Recommended for use in low temperature and vacuum systems

- Grade “L” Silicone,
Red gasket,
-30°F to 350°F (-34°C to 177°C)
- Grade “T” Nitrile,
Orange color code,
-20°F to 180°F (-29°C to 82°C)
- Grade “O” Fluoroelastomer,
Blue color code,
20°F to 300°F (-7°C to 149°C)

For proper gasket selection, refer to Technical Data Sheet G610.

Ordering Procedure

GRINNELL Products are available globally through a network of distribution centers. For the nearest distributor, visit www.grinnell.com. When placing an order, indicate the full product name.

Specify Figure 707 Heavy Duty Flexible Coupling, quantity, pipe size (nominal ANSI or O.D.), finish (Orange, Red, or Galvanized), and type of gasket:

- Grade “E” EPDM
- Tri-Seal Grade “E” EPDM
- Grade “L” Silicone
- Grade “T” Nitrile
- Grade “O” Fluoroelastomer