

GRINNELL Mechanical Products Design Data Pressure Rating

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 705 Flexible Coupling Max. | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|------------------|----------------------------------|--|--|-------------------------------|---|---|-------------------|
| 1 25 | 5 | 0.065 | 500 | 500 | N/A | 500 | N/A | N/A |
| | 10 | 0.109 | 500 | 750 | | 500 | | |
| | 40 | 0.133 | 500 | 1000 | | 500 | | |
| 1-1/4 32 | 5 | 0.065 | 500 | 500 | 750 | 500 | N/A | N/A |
| | 10 | 0.109 | 500 | 750 | 750 | 500 | | |
| | 40 | 0.140 | 500 | 1000 | 750 | 500 | | |
| 1-1/2 40 | 5 | 0.065 | 500 | 500 | 500 | 500 | N/A | N/A |
| | 10 | 0.109 | 500 | 750 | 750 | 500 | | |
| | 40 | 0.145 | 500 | 1000 | 750 | 500 | | |
| 2 50 | 5 | 0.065 | 500 | 500 | 500 | 500 | N/A | 300 |
| | 10 | 0.109 | 500 | 750 | 750 | 500 | | 300 |
| | 40 | 0.154 | 500 | 1000 | 750 | 500 | | 300 |
| 2-1/2 65 | 5 | 0.083 | 500 | 500 | 500 | 500 | 500 | 300 |
| | 10 | 0.120 | 500 | 600 | 600 | 500 | 500 | 300 |
| | 40 | 0.203 | 500 | 1000 | 750 | 500 | 500 | 300 |
| 3 80 | 5 | 0.083 | 500 | 500 | 500 | 500 | 500 | 250 |
| | 10 | 0.120 | 500 | 600 | 600 | 500 | 500 | 300 |
| | 40 | 0.216 | 500 | 1000 | 750 | 500 | 500 | 300 |
| 4 100 | 5 | 0.083 | 400 | 400 | 400 | 400 | 400 | 200 |
| | 10 | 0.120 | 500 | 600 | 600 | 500 | 500 | 300 |
| | 40 | 0.237 | 500 | 1000 | 750 | 500 | 500 | 300 |
| 5 125 | 5 | 0.109 | 350 | 350 | 350 | 350 | 350 | 200 |
| | 10 | 0.134 | 450 | 500 | 500 | 450 | 500 | 300 |
| | 40 | 0.258 | 450 | 1000 | 750 | 500 | 500 | 300 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

**TABLE A (1 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)*
ANSI STANDARD WEIGHT AND LIGHT WALL ROLL GROOVED STEEL PIPE**

IMPORTANT

Refer to Technical Data Sheet
G1100 for warnings pertaining to
regulatory and health information.

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|------------------|----------------------------------|----------------------------------|--|-------------------------------|---|---|-------------------|
| 6 150 | 5 | 0.109 | 350 | 350 | 350 | 350 | 350 | 200 |
| | 10 | 0.134 | 450 | 450 | 500 | 450 | 500 | 300 |
| | 40 | 0.280 | 450 | 1000 | 700 | 500 | 500 | 300 |
| 8 200 | 5 | 0.109 | 250 | 250 | 250 | 250 | 250 | 200 |
| | 10 | 0.148 | 300 | 300 | 300 | 300 | 400 | 250 |
| | 40 | 0.322 | 450 | 800 | 600 | 400 | 400 | 300 |
| 10 250 | 5 | 0.134 | 150 | 250 | 250 | 150 | N/A | 200 |
| | 10 | 0.165 | 300 | 300 | 300 | 233 | | 200 |
| | 40 | 0.365 | 350 | 800 | 500 | 233 | | 300 |
| 12 300 | 5 | 0.156 | 150 | 200 | 125 | 125 | N/A | 200 |
| | 10 | 0.180 | 300 | 300 | 300 | 175 | | 200 |
| | 40 | 0.375 | 350 | 800 | 400 | 175 | | 300 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE A (2 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)*
ANSI STANDARD WEIGHT AND LIGHT WALL ROLL GROOVED STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|-----------------|---------------------------|----------------------------------|--|-------------------------------|---|---|-------------------|
| 1 25 | 33,7 | 2,0 | 34 | 34 | N/A | 34 | N/A | N/A |
| | | 2,8 | 34 | 52 | | 34 | | |
| | | 3,4 | 34 | 69 | | 34 | | |
| 1-1/4 32 | 42,4 | 2,0 | 34 | 34 | 52 | 34 | N/A | N/A |
| | | 2,8 | 34 | 52 | 52 | 34 | | |
| | | 3,6 | 34 | 69 | 52 | 34 | | |
| 1-1/2 40 | 48,3 | 2,0 | 34 | 34 | 34 | 34 | N/A | N/A |
| | | 2,8 | 34 | 52 | 52 | 34 | | |
| | | 3,7 | 34 | 69 | 52 | 34 | | |
| 2 50 | 60,3 | 2,0 | 34 | 34 | 34 | 34 | N/A | 21 |
| | | 2,8 | 34 | 52 | 52 | 34 | | 21 |
| | | 3,9 | 34 | 69 | 52 | 34 | | 21 |
| 2-1/2 65 | 73 | 2,0 | 34 | 34 | 34 | 34 | 34 | 21 |
| | | 3,0 | 34 | 41 | 41 | 34 | 34 | 21 |
| | | 5,2 | 34 | 69 | 52 | 34 | 34 | 21 |
| 65 | 76,1 | 2,0 | 34 | 22 | 34 | 34 | 34 | 12 |
| | | 3,0 | 34 | 34 | 41 | 34 | 34 | 19 |
| | | 5,2 | 34 | 52 | 52 | 34 | 34 | 19 |
| 3 80 | 88,9 | 2,0 | 34 | 34 | 34 | 34 | 34 | 17 |
| | | 3,0 | 34 | 41 | 41 | 34 | 34 | 21 |
| | | 5,5 | 34 | 69 | 52 | 34 | 34 | 21 |
| 4 100 | 114,3 | 2,0 | 28 | 28 | 28 | 28 | 28 | 14 |
| | | 3,0 | 34 | 41 | 41 | 34 | 34 | 21 |
| | | 6,0 | 34 | 69 | 52 | 34 | 34 | 21 |
| 5 125 | 139,7 | 2,8 | 24 | 24 | 24 | 24 | 24 | 14 |
| | | 3,4 | 31 | 34 | 34 | 31 | 34 | 21 |
| | | 6,4 | 31 | 69 | 52 | 34 | 34 | 21 |
| 5 125 | 141,3 | 2,8 | 24 | 24 | 24 | 24 | 24 | 14 |
| | | 3,4 | 31 | 34 | 34 | 31 | 34 | 21 |
| | | 6,6 | 31 | 69 | 52 | 34 | 34 | 21 |
| 6 150 | 165,1 | 2,8 | 24 | 24 | 24 | 24 | 24 | 14 |
| | | 3,4 | 31 | 31 | 34 | 31 | 34 | 21 |
| | | 7,1 | 31 | 69 | 48 | 34 | 34 | 21 |
| 6 150 | 168,3 | 2,8 | 24 | 24 | 24 | 24 | 24 | 14 |
| | | 3,4 | 31 | 31 | 34 | 31 | 34 | 21 |
| | | 7,1 | 31 | 69 | 48 | 34 | 34 | 21 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE B (1 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)*
ISO ROLL GROOVED STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|-----------------|------------------------------|----------------------------------|--|-------------------------------|---|---|-------------------|
| 8 200 | 219,1 | 2,8 | 17 | 17 | 17 | 17 | 17 | 14 |
| | | 3,8 | 21 | 21 | 21 | 21 | 28 | 17 |
| | | 8,2 | 31 | 55 | 41 | 28 | 28 | 21 |
| 10 250 | 273 | 3,4 | 10 | 17 | 17 | 10 | N/A | 14 |
| | | 4,2 | 21 | 21 | 21 | 16 | | 14 |
| | | 9,3 | 24 | 55 | 34 | 16 | | 21 |
| 12 300 | 323,9 | 4,0 | 10 | 14 | 9 | 9 | N/A | 14 |
| | | 4,6 | 21 | 21 | 21 | 12 | | 14 |
| | | 9,5 | 24 | 55 | 28 | 12 | | 21 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE B (2 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)*
ISO ROLL GROOVED STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 71 Flange |
|---|---------------|-------------------------------|---|-------------------------------|-------------------|
| 14 350 | 10 | 0.250 | 300 | 300 | 200 |
| | 20 | 0.312 | 300 | 300 | 250 |
| | Std | 0.375 | 350 | 350 | 300 |
| 16 400 | 10 | 0.250 | 300 | 300 | 200 |
| | 20 | 0.312 | 300 | 300 | 250 |
| | Std | 0.375 | 350 | 350 | 250 |
| 18 450 | 10 | 0.250 | 200 | 200 | 200 |
| | 20 | 0.312 | 300 | 350 | 250 |
| | Std | 0.375 | 300 | 350 | 300 |
| 20 500 | 10 | 0.250 | 200 | 200 | 200 |
| | Std (20) | 0.375 | 300 | 350 | 300 |
| 24 600 | 10 | 0.250 | 200 | 200 | 200 |
| | Std (20) | 0.375 | 350 | 350 | 250 |

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE C
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)*
ANSI STANDARD WEIGHT AND LIGHT WALL ROLL GROOVED STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 71 Flange |
|---|-----------------|---------------------------|---|-------------------------------|-------------------|
| 14 350 | 355,6 | 6,4 | 21 | 21 | 14 |
| | | 7,9 | 21 | 20 | 17 |
| | | 9,5 | 24 | 24 | 21 |
| 16 400 | 406,4 | 6,4 | 21 | 21 | 14 |
| | | 7,9 | 21 | 21 | 17 |
| | | 9,5 | 24 | 24 | 17 |
| 18 450 | 457,2 | 6,4 | 14 | 14 | 14 |
| | | 7,9 | 21 | 24 | 17 |
| | | 9,5 | 21 | 24 | 21 |
| 20 500 | 508,0 | 6,4 | 14 | 14 | 14 |
| | | 9,5 | 21 | 24 | 21 |
| 24 600 | 609,6 | 6,4 | 14 | 14 | 14 |
| | | 9,5 | 24 | 24 | 17 |

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE D
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)*
ANSI STANDARD WEIGHT AND LIGHT WALL ROLL GROOVED STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|------------------|----------------------------------|----------------------------------|---|-------------------------------|---|---|-------------------|
| 1 25 | 5 | 0.065 | 350 | 400 | N/A | 350 | N/A | N/A |
| | 10 | 0.109 | 500 | 500 | | 500 | | |
| | 40 | 0.133 | 750 | 750 | | 500 | | |
| 1-1/4 32 | 5 | 0.065 | 325 | 400 | 400 | 325 | N/A | N/A |
| | 10 | 0.109 | 500 | 500 | 750 | 500 | | |
| | 40 | 0.140 | 750 | 750 | 750 | 500 | | |
| 1-1/2 40 | 5 | 0.065 | 325 | 400 | 400 | 325 | N/A | N/A |
| | 10 | 0.109 | 500 | 500 | 750 | 500 | | |
| | 40 | 0.145 | 650 | 750 | 750 | 500 | | |
| 2 50 | 5 | 0.065 | 250 | 350 | 350 | 250 | N/A | 175 |
| | 10 | 0.109 | 500 | 500 | 700 | 500 | | 275 |
| | 40 | 0.154 | 500 | 750 | 750 | 500 | | 275 |
| 2-1/2 65 | 5 | 0.083 | 250 | 325 | 350 | 250 | 250 | 175 |
| | 10 | 0.120 | 500 | 500 | 700 | 500 | 500 | 275 |
| | 40 | 0.203 | 500 | 750 | 750 | 500 | 500 | 275 |
| 3 80 | 5 | 0.083 | 250 | 325 | 350 | 250 | 250 | 175 |
| | 10 | 0.120 | 400 | 500 | 500 | 400 | 400 | 275 |
| | 40 | 0.216 | 500 | 750 | 750 | 500 | 500 | 275 |
| 4 100 | 5 | 0.083 | 200 | 250 | 300 | 200 | 200 | 175 |
| | 10 | 0.120 | 400 | 500 | 500 | 400 | 400 | 275 |
| | 40 | 0.237 | 500 | 750 | 750 | 500 | 500 | 275 |
| 5 125 | 5 | 0.109 | 125 | 200 | 250 | 125 | 125 | 125 |
| | 10 | 0.134 | 350 | 500 | 500 | 350 | 350 | 200 |
| | 40 | 0.258 | 450 | 650 | 650 | 450 | 450 | 250 |
| 6 150 | 5 | 0.109 | 75 | 125 | 250 | 75 | 75 | 75 |
| | 10 | 0.134 | 200 | 300 | 300 | 200 | 200 | 125 |
| | 40 | 0.280 | 300 | 500 | 450 | 300 | 300 | 150 |
| 8 200 | 5 | 0.109 | 50 | 75 | 100 | 50 | 50 | 50 |
| | 10 | 0.148 | 200 | 300 | 300 | 200 | 200 | 75 |
| | 40 | 0.322 | 300 | 400 | 450 | 300 | 300 | 125 |
| 10 250 | 5 | 0.134 | N/A | N/A | N/A | N/A | N/A | N/A |
| | 10 | 0.165 | 75 | 125 | 300 | 75 | | 75 |
| | 40 | 0.365 | 75 | 325 | 450 | 75 | | 125 |
| 12 300 | 5 | 0.156 | N/R | N/R | 150 | N/R | N/A | N/A |
| | 10 | 0.180 | 50 | 125 | 150 | 50 | | 50 |
| | 40 | 0.375 | 50 | 250 | 400 | 50 | | 125 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE E
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)*
ANSI 304/316 STAINLESS STEEL PIPE

| Nominal Pipe Size ANSI Inches <i>DN</i> | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|--|-----------------|---------------------------|----------------------------------|--|-------------------------------|---|---|-------------------|
| 1 25 | 33,7 | 2,0 | 24 | 28 | N/A | 24 | N/A | N/A |
| | | 2,8 | 34 | 34 | | 34 | | |
| | | 3,4 | 52 | 52 | | 34 | | |
| 1-1/4 32 | 42,4 | 2,0 | 22 | 28 | 28 | 22 | N/A | N/A |
| | | 2,8 | 34 | 34 | 52 | 34 | | |
| | | 3,6 | 52 | 52 | 52 | 34 | | |
| 1-1/2 40 | 48,3 | 2,0 | 22 | 28 | 28 | 22 | N/A | N/A |
| | | 2,8 | 34 | 34 | 52 | 34 | | |
| | | 3,7 | 45 | 52 | 52 | 34 | | |
| 2 50 | 60,3 | 2,0 | 17 | 22 | 24 | 17 | N/A | 12 |
| | | 2,8 | 34 | 34 | 48 | 34 | | 19 |
| | | 3,9 | 34 | 52 | 52 | 34 | | 19 |
| 2-1/2 65 | 73,0 | 2,0 | 17 | 22 | 24 | 17 | 17 | 12 |
| | | 3,0 | 34 | 34 | 48 | 34 | 34 | 19 |
| | | 5,2 | 34 | 52 | 52 | 34 | 34 | 19 |
| 65 | 76,1 | 2,0 | 17 | 22 | 24 | 17 | 17 | 12 |
| | | 3,0 | 28 | 34 | 34 | 28 | 28 | 19 |
| | | 5,2 | 34 | 52 | 52 | 34 | 34 | 19 |
| 3 80 | 88,9 | 2,0 | 17 | 22 | 24 | 17 | 17 | 12 |
| | | 3,0 | 28 | 34 | 34 | 28 | 28 | 19 |
| | | 5,5 | 34 | 52 | 52 | 34 | 34 | 19 |
| 4 100 | 114,3 | 2,0 | 14 | 17 | 21 | 14 | 14 | 12 |
| | | 3,0 | 28 | 34 | 34 | 28 | 28 | 19 |
| | | 6,0 | 34 | 52 | 52 | 34 | 34 | 19 |
| 5 125 | 139,7 | 2,8 | 9 | 14 | 17 | 9 | 9 | 9 |
| | | 3,4 | 24 | 34 | 34 | 24 | 24 | 14 |
| | | 6,4 | 31 | 45 | 45 | 31 | 31 | 17 |
| 5 125 | 141,3 | 2,8 | 9 | 14 | 17 | 9 | 9 | 9 |
| | | 3,4 | 24 | 34 | 34 | 24 | 24 | 14 |
| | | 6,6 | 31 | 45 | 45 | 31 | 31 | 17 |
| 6 150 | 165,1 | 2,8 | 5 | 9 | 17 | 5 | 5 | 5 |
| | | 3,4 | 14 | 21 | 21 | 14 | 14 | 9 |
| | | 7,1 | 21 | 34 | 31 | 21 | 21 | 10 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE F (1 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)*
ISO 304/316 STAINLESS STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 705 Flexible Coupling | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling | Fig. 774 ^b Grooved Rigid Coupling | Fig. 716 ^a Flexible Reducing Coupling | Fig. 71 Flange |
|---|-----------------|---------------------------|----------------------------------|--|-------------------------------|---|---|-------------------|
| 6 150 | 168,3 | 2,8 | 5 | 9 | 17 | 5 | 5 | 5 |
| | | 3,4 | 14 | 21 | 21 | 14 | 14 | 9 |
| | | 7,1 | 21 | 34 | 31 | 21 | 21 | 10 |
| 8 200 | 219,1 | 2,8 | 3 | 5 | 7 | 3 | 3 | 3 |
| | | 3,8 | 14 | 21 | 21 | 14 | 14 | 5 |
| | | 8,2 | 21 | 28 | 31 | 21 | 21 | 9 |
| 10 250 | 273,0 | 3,4 | NR | NR | NR | NR | N/A | NR |
| | | 4,2 | 5 | 9 | 21 | 5 | | 5 |
| | | 9,3 | 5 | 22 | 31 | 5 | | 9 |
| 12 300 | 323,9 | 4,0 | NR | NR | 10 | NR | N/A | NR |
| | | 4,6 | 3 | 9 | 10 | 3 | | 3 |
| | | 9,5 | 3 | 17 | 28 | 3 | | 9 |

NOTES

a. Figure 716 Maximum Working Pressure based on larger pipe connection nominal pipe size.

b. Figure 774 is available in Europe, Middle East, and Africa only.

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE F (2 OF 2)
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)*
ISO 304/316 STAINLESS STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 405 Flexible Grooved Coupling | Fig. 472 Rigid Grooved Coupling |
|---|------------------|----------------------------------|---|--|
| 1 25 | 5 | 0.065 | 350 | N/A |
| | 10 | 0.109 | 500 | |
| | 40 | 0.133 | 750 | |
| 1-1/4 32 | 5 | 0.065 | 350 | 350 |
| | 10 | 0.109 | 500 | 500 |
| | 40 | 0.140 | 750 | 750 |
| 1-1/2 40 | 5 | 0.065 | 350 | 350 |
| | 10 | 0.109 | 500 | 500 |
| | 40 | 0.145 | 750 | 750 |
| 2 50 | 5 | 0.065 | 350 | 350 |
| | 10 | 0.109 | 500 | 500 |
| | 40 | 0.154 | 500 | 600 |
| 2-1/2 65 | 5 | 0.083 | 350 | 350 |
| | 10 | 0.120 | 500 | 500 |
| | 40 | 0.203 | 500 | 600 |
| 3 80 | 5 | 0.083 | 350 | 350 |
| | 10 | 0.120 | 500 | 500 |
| | 40 | 0.216 | 500 | 600 |
| 4 100 | 5 | 0.083 | 300 | 300 |
| | 10 | 0.120 | 400 | 400 |
| | 40 | 0.237 | 500 | 600 |
| 5 125 | 5 | 0.109 | 250 | 250 |
| | 10 | 0.134 | 350 | 350 |
| | 40 | 0.258 | 450 | 600 |
| 6 150 | 5 | 0.109 | 250 | 250 |
| | 10 | 0.134 | 250 | 300 |
| | 40 | 0.280 | 450 | 600 |
| 8 200 | 5 | 0.109 | 100 | 100 |
| | 10 | 0.148 | 200 | 300 |
| | 40 | 0.322 | 450 | 600 |
| 10 250 | 5 | 0.134 | N/A | N/R |
| | 10 | 0.165 | | 300 |
| | 40 | 0.365 | | 600 |
| 12 300 | 5 | 0.156 | N/A | 150 |
| | 10 | 0.180 | | 150 |
| | 40 | 0.375 | | 600 |

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE G
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)*
ANSI 304/316 STAINLESS STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 405 Flexible Grooved Coupling | Fig. 472 Rigid Grooved Coupling |
|----------------------------------|--------------|------------------------|------------------------------------|---------------------------------|
| 1 25 | 33,7 | 2,0 | 24 | N/A |
| | | 2,8 | 34 | |
| | | 3,4 | 52 | |
| 1-1/4 32 | 42,4 | 2,0 | 24 | 24 |
| | | 2,8 | 34 | 34 |
| | | 3,6 | 52 | 52 |
| 1-1/2 40 | 48,3 | 2,0 | 24 | 24 |
| | | 2,8 | 34 | 34 |
| | | 3,7 | 52 | 52 |
| 2 50 | 60,3 | 2,0 | 24 | 24 |
| | | 2,8 | 34 | 34 |
| | | 3,9 | 34 | 41 |
| 2-1/2 65 | 73,0 | 2,0 | 24 | 24 |
| | | 3,0 | 34 | 34 |
| | | 5,2 | 34 | 41 |
| 65 | 76,1 | 2,0 | 24 | 24 |
| | | 3,0 | 34 | 34 |
| | | 5,2 | 34 | 41 |
| 3 80 | 88,9 | 2,0 | 24 | 24 |
| | | 3,0 | 34 | 34 |
| | | 5,5 | 34 | 41 |
| 4 100 | 114,3 | 2,0 | 21 | 21 |
| | | 3,0 | 28 | 28 |
| | | 6,0 | 34 | 41 |

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness mm | Fig. 405 Flexible Grooved Coupling | Fig. 472 Rigid Grooved Coupling |
|----------------------------------|--------------|------------------------|------------------------------------|---------------------------------|
| 5 125 | 139,7 | 2,8 | 17 | 17 |
| | | 3,4 | 24 | 24 |
| | | 6,4 | 31 | 41 |
| 5 125 | 141,3 | 2,8 | 17 | 17 |
| | | 3,4 | 24 | 24 |
| | | 6,6 | 31 | 41 |
| 6 150 | 165,1 | 2,8 | 17 | 17 |
| | | 3,4 | 17 | 21 |
| | | 7,1 | 31 | 41 |
| 6 150 | 168,3 | 2,8 | 17 | 17 |
| | | 3,4 | 17 | 21 |
| | | 7,1 | 31 | 41 |
| 8 200 | 219,1 | 2,8 | 7 | 7 |
| | | 3,8 | 14 | 21 |
| | | 8,2 | 31 | 41 |
| 10 250 | 273,0 | 3,4 | N/A | NR |
| | | 4,2 | | 21 |
| | | 9,3 | | 41 |
| 12 300 | 323,9 | 4,0 | N/A | 10 |
| | | 4,6 | | 10 |
| | | 9,5 | | 41 |

* Maximum line pressure including surge to which a joint should be subjected on pipe roll groove to standard roll grooving specification with coupling properly assembled.

TABLE H
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)^A
ISO 304/316 STAINLESS STEEL PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe Schedule | Pipe Wall Thickness Inches | Fig. 705 Flexible Coupling Max. | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling |
|---|------------------|----------------------------------|--|--|-------------------------------|
| 2 50 | 10 | 0.109 | 500 | 600 | 600 |
| | 40 | 0.154 | 500 | 800 | 750 |
| 2-1/2 65 | 10 | 0.120 | 500 | 600 | 600 |
| | 40 | 0.203 | 500 | 800 | 750 |
| 3 80 | 10 | 0.120 | 500 | 500 | 500 |
| | 40 | 0.216 | 500 | 800 | 750 |
| 4 100 | 10 | 0.120 | 350 | 350 | 350 |
| | 40 | 0.237 | 500 | 600 | 600 |
| 5 125 | 10 | 0.134 | 350 | 350 | 350 |
| | 40 | 0.258 | 500 | 600 | 600 |
| 6 150 | 10 | 0.134 | 200 | 200 | 200 |
| | 40 | 0.280 | 450 | 600 | 600 |
| 8 200 | 10 | NDA | NDA | NDA | NDA |
| | 40 | 0.322 | 300 | 400 | 500 |

NOTES

- Maximum Working Pressure is based on 6061T6 or 6063T6 ASTM B241 Seamless Aluminum pipe.
- Pressure ratings may differ for other pipe materials and/or wall thickness.
- NDA - No Data Available

TABLE J
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (PSI)A
ALUMINUM PIPE

| Nominal Pipe Size ANSI Inches DN | Pipe O.D. mm | Pipe Wall Thickness Inches mm | Fig. 705 Flexible Coupling Max. | Fig. 707 Heavy Duty Flexible Coupling | Fig. 772 Rigid Coupling |
|---|-----------------|--|--|--|-------------------------------|
| 2 50 | 60,3 | 2.8 | 34 | 41 | 41 |
| | | 3.9 | 34 | 55 | 52 |
| 2-1/2 65 | 73,0 | 3.0 | 34 | 41 | 41 |
| | | 5.2 | 34 | 55 | 52 |
| 3 80 | 88,9 | 3.0 | 34 | 34 | 34 |
| | | 5.5 | 34 | 55 | 52 |
| 4 100 | 114,3 | 3.0 | 24 | 24 | 24 |
| | | 6.0 | 34 | 41 | 41 |
| 5 125 | 139,7 | 3.4 | 24 | 24 | 24 |
| | | 6.6 | 34 | 41 | 41 |
| 6 150 | 168,3 | 3.4 | 14 | 14 | 14 |
| | | 7.1 | 31 | 41 | 41 |
| 8 200 | 219,1 | 3.8 | NDA | NDA | NDA |
| | | 8.2 | 21 | 28 | 34 |

NOTES

- Maximum Working Pressure is based on 6061T6 or 6063T6 ASTM B241 Seamless Aluminum pipe.
- Pressure ratings may differ for other pipe materials and/or wall thickness.
- NDA - No Data Available

TABLE K
GRINNELL COUPLING MAXIMUM WORKING PRESSURE RATINGS (BAR)^A
ALUMINUM PIPE

10
YEAR
LIMITED
WARRANTY

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

