

# MODEL XGQT3 REDUCING COUPLING

The Lede Model XGQT3 reducing coupling allows for direct reduction on a piping run and eliminates the need for a concentric reducer and couplings. The specially designed rubber gasket helps prevent small pipe from telescoping into larger pipe during vertical assembly.

## SPECIFICATIONS

### Sizes available:

40 x 32 mm - 200 x 150 mm / 1 1/2" x 1 1/4" ~ 8" x 6"

### Working Pressure:

Up to 20 bar / 300 psi

Maximum working pressures are CWP (cold water pressure) or maximum allowed working pressure within the service temperature range of the gasket used in the coupling, based on standard wall or sch. 7/10/40 steel pipe, cut or roll-grooved to ANSI/AWWA C606-04 specifications.

These ratings may occasionally differ from maximum working pressures listed and/or approved by UL, ULC, and/or FM as testing conditions and test pipes differ. For performance data on other pipe schedules contact Lede.

### Housing Coating:

Red Enamel

### Housing material:

Ductile Iron conforming to ASTM A536 Gr. 65-45-12.

### Gasket material:

EPDM (Silicon free) These gaskets have excellent self sealing capabilities and are designed to provide a leak tight seal.



## LEDE GROOVED PIPING SYSTEM

The Lede grooved piping system is one of the most advanced, versatile, economical and reliable systems available today. After the pipe ends are grooved a gasket is stretched over the pipe ends. The coupling segments are then placed over the gasket and the bolts and nuts are fastened resulting in a secure and leak free joint.

**Caution: The Model XGQT3 couplings should not be used with an end cap, as the end may be sucked into the pipe when draining the system.**

## INTERNATIONAL APPROVAL



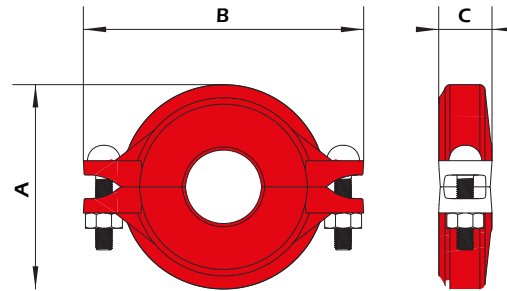
## SUBMITTAL INFORMATION

|            |                          |              |
|------------|--------------------------|--------------|
| PROJECT:   | CONTRACTOR:              | DATE:        |
| ENGINEER:  | SPECIFICATION REFERENCE: | SYSTEM TYPE: |
| LOCATIONS: | COMMENTS:                |              |

# MODEL XGQT3 REDUCING COUPLING

## DATA CHART

Lede couplings are identified by the nominal IPS pipe size in inches or nominal diameter of pipe (DN) in millimeters.



| Nominal Size mm/in | Actual O.D. mm/in | Max. Working Pressure Bar/PSI | Max. End Load KN/Lbs | Axial Displacement mm/in | Deflection             |                 | Dimensions |         |         | Bolt Size mm/in |
|--------------------|-------------------|-------------------------------|----------------------|--------------------------|------------------------|-----------------|------------|---------|---------|-----------------|
|                    |                   |                               |                      |                          | Degree Per Coupling(°) | Pipe mm/m in/ft | A mm/in    | B mm/in | C mm/in |                 |
| 40x32              | 48.3x42.4         | 20                            | 3.79                 | 1.6                      |                        | 0.4             | 70         | 113     | 45      | M10x50          |
| 1 1/2x1 1/4        | 1.9x1.669         | 300                           | 852                  | 0.0625                   | 1°-54'                 | 33              | 2.76       | 4.45    | 1.77    | 3/8x2           |
| 50x40              | 60.3x48.3         | 20                            | 5.91                 | 1.6                      |                        | 0.32            | 82         | 130     | 46      | M10x55          |
| 2x1 1/2            | 2.375x1.9         | 300                           | 1327                 | 0.0625                   | 1°-31'                 | 27              | 3.23       | 5.12    | 1.81    | 3/8x2-1/8       |
| 65x25              | 73x33.7           | 20                            | 8.66                 | 1.6                      |                        | 0.26            | 97         | 151     | 46      | M10x55          |
| 2 1/2x1            | 2.875x1.327       | 300                           | 1945                 | 0.0625                   | 1°-15'                 | 22              | 3.82       | 5.94    | 1.81    | 3/8x2-1/8       |
| 65x32              | 73x42.4           | 20                            | 8.66                 | 1.6                      |                        | 0.26            | 97         | 151     | 46      | M10x55          |
| 2 1/2x1 1/4        | 2.875x1.669       | 300                           | 1945                 | 0.0625                   | 1°-15'                 | 22              | 3.82       | 5.94    | 1.81    | 3/8x2-1/8       |
| 65x40              | 73x48.3           | 20                            | 8.66                 | 1.6                      |                        | 0.26            | 97         | 151     | 46      | M10x55          |
| 2 1/2x1 1/2        | 2.875x1.9         | 300                           | 1945                 | 0.0625                   | 1°-15'                 | 22              | 3.82       | 5.94    | 1.81    | 3/8x2-1/8       |
| 65x50              | 73x60.3           | 20                            | 8.66                 | 1.6                      |                        | 0.26            | 97         | 151     | 46      | M10x55          |
| 2 1/2x2            | 2.875x2.375       | 300                           | 1945                 | 0.0625                   | 1°-15'                 | 22              | 3.82       | 5.94    | 1.81    | 3/8x2-1/8       |
| 80x40              | 88.9x48.3         | 20                            | 12.84                | 1.6                      |                        | 0.22            | 112        | 166.6   | 46      | M12x65          |
| 3x1 1/2            | 3.5x1.9           | 300                           | 2885                 | 0.0625                   | 1°-02'                 | 18              | 4.41       | 6.56    | 1.81    | 1/2x2-5/8       |
| 80x50              | 88.9x60.3         | 20                            | 12.84                | 1.6                      |                        | 0.22            | 112        | 166.6   | 46      | M12x65          |
| 3x2                | 3.5x2.375         | 300                           | 2885                 | 0.0625                   | 1°-02'                 | 18              | 4.41       | 6.56    | 1.81    | 1/2x2-5/8       |
| 80x65              | 88.9x73.0         | 20                            | 12.84                | 1.6                      |                        | 0.22            | 112        | 166.6   | 46      | M12x65          |
| 3x2 1/2            | 3.5x2.875         | 300                           | 2885                 | 0.0625                   | 1°-02'                 | 18              | 4.41       | 6.56    | 1.81    | 1/2x2-5/8       |
| 100x50             | 114.3x60.3        | 20                            | 21.22                | 3.2                      |                        | 0.34            | 141        | 200     | 50      | M12x65          |
| 4x2                | 4.5x2.375         | 300                           | 4769                 | 0.125                    | 1°-36'                 | 28              | 5.55       | 7.87    | 1.97    | 1/2x2-5/8       |
| 100x65             | 114.3x73.0        | 20                            | 21.22                | 3.2                      |                        | 0.34            | 141        | 200     | 50      | M12x65          |
| 4x2 1/2            | 4.5x2.875         | 300                           | 4769                 | 0.125                    | 1°-36'                 | 28              | 5.55       | 7.87    | 1.97    | 1/2x2-5/8       |
| 100x80             | 114.3x88.9        | 20                            | 21.22                | 3.2                      |                        | 0.34            | 141.8      | 200     | 50      | M12x65          |
| 4x3                | 4.5x3.5           | 300                           | 4769                 | 0.125                    | 1°-36'                 | 28              | 5.58       | 7.87    | 1.97    | 1/2x2-5/8       |
| 125x100            | 141.3x114.3       | 20                            | 32.43                | 3.2                      |                        | 0.27            | 167        | 230     | 52      | M16x80          |
| 5x4                | 5.563x4.5         | 300                           | 7288                 | 0.125                    | 1°-18'                 | 23              | 6.57       | 9.06    | 2.05    | 5/8x3-1/8       |
| 150x80             | 165.1x88.9        | 20                            | 44.27                | 3.2                      |                        | 0.24            | 197        | 275     | 52      | M16x80          |
| 6x3                | 6.5x3.5           | 300                           | 9950                 | 0.125                    | 1°-07'                 | 20              | 7.76       | 10.83   | 2.05    | 5/8x3-1/8       |
| 150x100            | 165.1x114.3       | 20                            | 44.27                | 3.2                      |                        | 0.24            | 197        | 275     | 52      | M16x80          |
| 6x4                | 6.5x4.5           | 300                           | 9950                 | 0.125                    | 1°-07'                 | 20              | 7.76       | 10.83   | 2.05    | 5/8x3-1/8       |
| 150x65             | 168.3x73          | 20                            | 46.00                | 3.2                      |                        | 0.23            | 199.4      | 275     | 52      | M16x80          |
| 6x2 1/2            | 6.525x2.875       | 300                           | 10340                | 0.125                    | 1°-06'                 | 19              | 7.85       | 10.83   | 2.05    | 5/8x3-1/8       |
| 150x80             | 168.3x88.9        | 20                            | 46.00                | 3.2                      |                        | 0.23            | 199.4      | 275     | 52      | M16x80          |
| 6x3                | 6.525x3.5         | 300                           | 10340                | 0.125                    | 1°-06'                 | 19              | 7.85       | 10.83   | 2.05    | 5/8x3-1/8       |
| 150x100            | 168.3x114.3       | 20                            | 46.00                | 3.2                      |                        | 0.23            | 199.4      | 275     | 52      | M16x80          |
| 6x4                | 6.525x4.5         | 300                           | 10340                | 0.125                    | 1°-06'                 | 19              | 7.85       | 10.83   | 2.05    | 5/8x3-1/8       |
| 150x100            | 168.3x141.3       | 20                            | 46.00                | 3.2                      |                        | 0.23            | 199.4      | 275     | 52      | M16x80          |
| 6x5                | 6.625x5.563       | 300                           | 10340                | 0.125                    | 1°-06'                 | 19              | 7.85       | 10.83   | 2.05    | 5/8x3-1/8       |
| 200x100            | 219.1x114.3       | 20                            | 77.97                | 3.2                      |                        | 0.18            | 256        | 336     | 58      | M20x110         |
| 8x4                | 8.625x4.5         | 300                           | 17524                | 0.125                    | 0°-50'                 | 15              | 10.08      | 13.23   | 2.28    | 3/4x4-1/3       |
| 200x150            | 219.1x168.3       | 20                            | 77.97                | 3.2                      |                        | 0.18            | 256        | 336     | 58      | M20x110         |
| 8x6                | 8.625x6.525       | 300                           | 17524                | 0.125                    | 0°-50'                 | 15              | 10.08      | 13.23   | 2.28    | 3/4x4-1/3       |

Deflection or angular movement is the maximum value that a coupling allows under no internal pressure.

**Weights:**

All weights are approximate and subject to change without notice.

Lede reserves the right to change or modify product designs, specifications and/or standard equipment without notice and without incurring obligation.

**Sales:**

Prices and Terms and Conditions of Sale are subject to change without notice.

**Warranty:**

We warrant all Lede products to be free from defects in materials and workmanship under normal conditions of use and service. For more information please contact LEDE.

