

- 60° angled pad Design
- "C"-shape Gasket
- EPDM Rubber
- Class 9.8 Bolts<sup>s</sup>
- Epoxy Coating

## Classical Design

Easy of Installation • More Safety

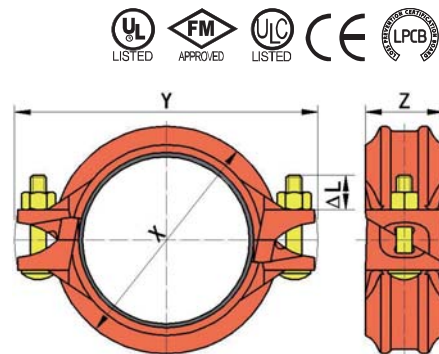
## Style 001 Rigid Coupling

Publication: 01.02EN

Style 001 rigid coupling has a 60° angled pad design which constricts the housing key into the groove around circumference to create a rigid connection by permitting the housing to slide on the opposed angle pad. housing key into the groove around circumference to create a rigid connection by permitting the housing to slide on the opposed angle pad.

The unique "C"-Type gasket design performs a triple seal, optimized design for gasket structure extend service life of coupling.

| Nominal Size | OD       | Work Pressure | End Load | Pipe End Separation | X        | Y        | Z        | Δ L      | Bolts Size | Approx. Wt. Ea. |
|--------------|----------|---------------|----------|---------------------|----------|----------|----------|----------|------------|-----------------|
| Inchs mm     | Inchs mm | Psi bar       | Lbs. N   | Inchs mm            | Inchs mm | Inchs mm | Inchs mm | Inchs mm | Inchs mm   | Lbs. kg         |
| 1            | 1.315    | 300           | 407      | 0.09                | 2.17     | 3.86     | 1.77     | 0.59     | ½x2        | 1.3             |
| 25           | 33.7     | 20.7          | 1845     | 2.20                | 55       | 98       | 45       | 15       | M10x50     | 0.6             |
| 1½           | 1.660    | 300           | 649      | 0.09                | 2.36     | 4.21     | 1.77     | 0.59     | ½x2        | 1.3             |
| 32           | 42.4     | 20.7          | 2921     | 2.20                | 60       | 107      | 45       | 15       | M10x50     | 0.6             |
| 1½           | 1.900    | 300           | 850      | 0.09                | 2.80     | 4.49     | 1.77     | 0.59     | ½x2        | 1.5             |
| 40           | 48.3     | 20.7          | 3791     | 2.20                | 71       | 114      | 45       | 15       | M10x50     | 0.7             |
| 2            | 2.375    | 300           | 1328     | 0.09                | 3.35     | 5.04     | 1.85     | 0.59     | ½x2        | 1.8             |
| 50           | 60.3     | 20.7          | 5908     | 2.20                | 85       | 128      | 47       | 15       | M10x50     | 0.8             |
| 2½           | 2.875    | 300           | 1947     | 0.09                | 3.82     | 5.63     | 1.89     | 0.59     | ½x2        | 2.4             |
| 65           | 73.0     | 20.7          | 8659     | 2.20                | 97       | 143      | 48       | 15       | M10x50     | 1.1             |
| 3OD          | 3.000    | 300           | 2120     | 0.11                | 3.94     | 5.79     | 1.89     | 0.59     | ¾x2½       | 2.4             |
| 65           | 76.1     | 20.7          | 9410     | 2.70                | 100      | 147      | 48       | 15       | M10x55     | 1.1             |
| 3            | 3.500    | 300           | 2885     | 0.11                | 4.45     | 6.34     | 1.89     | 0.59     | ¾x2½       | 2.6             |
| 80           | 88.9     | 20.7          | 12842    | 2.70                | 113      | 161      | 48       | 15       | M10x55     | 1.2             |
| 4            | 4.500    | 300           | 4769     | 0.19                | 5.63     | 7.68     | 2.09     | 0.59     | ¾x2½       | 3.5             |
| 100          | 114.3    | 20.7          | 21229    | 4.70                | 143      | 195      | 53       | 15       | M10x60     | 1.6             |
| 5½OD         | 5.500    | 300           | 7124     | 0.19                | 6.69     | 9.06     | 2.09     | 0.91     | ½x3        | 5.1             |
| 125          | 139.7    | 20.7          | 31713    | 4.70                | 170      | 230      | 53       | 23       | M12x75     | 2.3             |
| 5            | 5.563    | 300           | 7288     | 0.19                | 6.77     | 9.06     | 2.09     | 0.91     | ½x3        | 5.1             |
| 125          | 141.3    | 20.7          | 32443    | 4.70                | 172      | 230      | 53       | 23       | M12x75     | 2.3             |
| 6½OD         | 6.500    | 300           | 9950     | 0.19                | 7.80     | 10.20    | 2.05     | 0.91     | ½x3        | 5.7             |
| 150          | 165.1    | 20.7          | 44293    | 4.70                | 198      | 259      | 52       | 23       | M12x75     | 2.6             |
| 6            | 6.625    | 300           | 10336    | 0.19                | 7.87     | 10.43    | 2.13     | 0.91     | ½x3        | 6.0             |
| 150          | 168.3    | 20.7          | 46027    | 4.70                | 200      | 265      | 54       | 23       | M12x75     | 2.7             |
| 200A %       | 216.3    | 20.7          | 76024    | 5.90                | 253      | 321      | 59       | 36       | M20x110    | 4.6             |
| 8            | 8.625    | 300           | 17519    | 0.23                | 10.24    | 13.94    | 2.32     | 1.42     | ¾x4½       | 10.4            |
| 200          | 219.1    | 20.7          | 78005    | 5.90                | 260      | 354      | 59       | 36       | M20x110    | 4.7             |
| 250A %       | 267.4    | 20.7          | 116118   | 6.40                | 312      | 402      | 63       | 36       | M20x120    | 5.9             |
| 10           | 10.750   | 300           | 27215    | 0.25                | 12.40    | 15.98    | 2.48     | 1.42     | ¾x4½       | 13.2            |
| 250          | 273.0    | 20.7          | 121106   | 6.40                | 315      | 406      | 63       | 36       | M20x120    | 6.0             |
| 300A %       | 318.5    | 20.7          | 164839   | 6.40                | 362      | 457      | 64       | 36       | M20x120    | 7.8             |
| 12           | 12.750   | 300           | 38283    | 0.25                | 14.49    | 18.19    | 2.52     | 1.42     | ¾x4½       | 17.6            |
| 300          | 323.9    | 20.7          | 170475   | 6.40                | 368      | 462      | 64       | 36       | M20x120    | 8.0             |



- Style 001 coupling provides a rigid joint allowing no expansion/contraction or liner movement. For pipeline Expansion/Contraction and Settlement refer to page 12.
- Work pressure is UL listed and FM approved, End Load is based on work pressure, refer to page 11.
- Max. Work pressure and Max. End Load refer to page 13.
- For correct installation, Please refer to page 91 "General of Installation" and publication AZ-100-EN of "Installation Manual".
- Tightening Torque for Bolts should follow the value listed in page 91 "Torque of Coupling Installation".
- Bolt-pads of the 2-pieces coupling housings must touch opposed in both sides when installation is completed. but it should be same.
- For ONE TIME FIELD TEST ONLY, The Max. Joint working pressure may be increased to 1.5 times the figures shown.

LPC refer to page 13 for details.

§ Refer to page 6 for details

% JIS Standard



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