

# STANDARD COUPLINGS

MULTI MATERIAL RUBBER FLEXIBLE COUPLINGS AND BUSHES



MISSION Standard Couplings are primarily designed for jointing pipes in sewerage, drainage and other non-pressure applications.

They comply with the requirements of Water Industry Specification WIS 4-41-01 „Specification for flexible couplings for gravity sewerage and drainage pipes“.

Due to their robust design they have the ability to provide a reliable seal **onto any pipe material** whether rough e.g. concrete or smooth e.g. PVCu.

The centre shear band provides resistance against heavy earth loads and shear forces, helping to ensure pipe alignment with joint flexibility.

In connection with MISSION Bushes the MISSION Standard Couplings can connect two pipes from different pipe materials having significantly **different outside diameters**.

MISSION Bushes are available in various thicknesses and are used where there is a difference of over 12mm in the outside diameter of the pipes to be jointed.

- The new **“lock in place” profile** of the rubber sleeve ensures that both end clamps and shear band remain firmly in place during transit, stocking or site installation.
- The elimination of spot-welds on the shear band and their replacement with fasteners using **TOX®-Technology** enhances the corrosion resistance of the couplings.

## TECHNICAL SPECIFICATION

|                        |  |
|------------------------|--|
| Pressure Tightness     | 2.5 bar water / -0.3 bar vacuum                    |
| Jetting Resistance     | 120 bar  |
| Corrosion Resistance   | TOX®-Technology                                    |
| Sealing Material       | EPDM or Nitrile (NBR) according to BS EN 681-1     |
| Stainless Steel        | AISI 304/1.4301, alternatively AISI 316/1.4404     |
| Temperature Resistance | -40°C to +120°C, temporary max. temperature +160°C |





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Mission Rubber (UK) Limited, Units 4+5, Atlas Business Park, Starnhill Close, Ecclesfield, Sheffield, S35 9TG

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| REFERENCE | SIZE RANGE (mm) | WIDTH (mm) | BAR |  | REFERENCE | SIZE RANGE (mm) | WIDTH (mm) | BAR |  |
|-----------|-----------------|------------|-----|---|-----------|-----------------|------------|-----|---|
| MSC 115   | 100 - 115       | 120        | 2.5 | 10 Nm   | MLC 805   | 775 - 805       | 190        | 1.0 | 20 Nm   |
| MSC 122   | 105 - 122       | 120        | 2.5 | 10 Nm   | MLC 815   | 800 - 815       | 190        | 1.0 | 20 Nm   |
| MSC 137   | 120 - 137       | 120        | 2.5 | 10 Nm   | MLC 830   | 815 - 830       | 190        | 1.0 | 20 Nm   |
| MSC 150   | 125 - 150       | 120        | 2.5 | 10 Nm   | MLC 845   | 830 - 845       | 190        | 1.0 | 20 Nm   |
| MSC 162   | 137 - 162       | 120        | 2.5 | 10 Nm   | MLC 860   | 845 - 860       | 190        | 1.0 | 20 Nm   |
| MSC 175   | 150 - 175       | 120        | 2.5 | 10 Nm   | MLC 870   | 845 - 870       | 190        | 1.0 | 20 Nm   |
| MSC 180   | 160 - 180       | 150        | 2.5 | 10 Nm   | MLC 875   | 860 - 875       | 190        | 1.0 | 20 Nm   |
| MSC 190   | 165 - 190       | 150        | 2.5 | 10 Nm   | MLC 890   | 875 - 890       | 190        | 1.0 | 20 Nm   |
| MSC 200   | 175 - 200       | 150        | 2.5 | 10 Nm   | MLC 905   | 890 - 905       | 190        | 1.0 | 20 Nm   |
| MSC 212   | 187 - 212       | 150        | 2.5 | 10 Nm   | MLC 915   | 885 - 915       | 190        | 1.0 | 20 Nm   |
| MSC 225   | 200 - 225       | 150        | 2.5 | 10 Nm   | MLC 920   | 905 - 920       | 190        | 1.0 | 20 Nm   |
| MSC 250   | 225 - 250       | 150        | 2.5 | 10 Nm   | MLC 935   | 920 - 935       | 190        | 1.0 | 20 Nm   |
| MSC 265   | 240 - 265       | 150        | 2.5 | 10 Nm   | MLC 950   | 935 - 950       | 190        | 1.0 | 20 Nm   |
| MSC 275   | 250 - 275       | 150        | 2.5 | 10 Nm   | MLC 965   | 950 - 965       | 190        | 1.0 | 20 Nm   |
| MSC 290   | 265 - 290       | 150        | 2.5 | 10 Nm   | MLC 975   | 945 - 975       | 190        | 1.0 | 20 Nm   |
| MSC 310   | 285 - 310       | 190        | 2.5 | 13 Nm   | MLC 980   | 965 - 980       | 190        | 1.0 | 20 Nm   |
| MSC 320   | 290 - 320       | 190        | 2.5 | 13 Nm   | MLC 995   | 980 - 995       | 190        | 1.0 | 20 Nm   |
| MSC 335   | 310 - 335       | 190        | 2.5 | 13 Nm   | MLC 1010  | 995 - 1010      | 190        | 0.6 | 20 Nm   |
| MSC 350   | 325 - 350       | 190        | 2.5 | 13 Nm   | MLC 1025  | 1010 - 1025     | 190        | 0.6 | 20 Nm   |
| MSC 360   | 335 - 360       | 190        | 2.5 | 13 Nm   | MLC 1040  | 1025 - 1040     | 190        | 0.6 | 20 Nm   |
| MSC 385   | 355 - 385       | 190        | 2.5 | 13 Nm   | MLC 1055  | 1040 - 1055     | 190        | 0.6 | 20 Nm   |
| MSC 410   | 385 - 410       | 190        | 2.5 | 13 Nm   | MLC 1070  | 1055 - 1070     | 190        | 0.6 | 20 Nm   |
| MSC 430   | 400 - 430       | 190        | 2.5 | 13 Nm   | MLC 1085  | 1070 - 1085     | 190        | 0.6 | 20 Nm   |
| MSC 445   | 415 - 445       | 190        | 2.5 | 13 Nm   | MLC 1100  | 1085 - 1100     | 190        | 0.6 | 20 Nm   |
| MSC 465   | 435 - 465       | 190        | 2.5 | 13 Nm   | MLC 1115  | 1100 - 1115     | 190        | 0.6 | 20 Nm   |
| MSC 490   | 465 - 490       | 190        | 2.5 | 13 Nm   | MLC 1130  | 1115 - 1130     | 190        | 0.6 | 20 Nm   |
| MSC 510   | 480 - 510       | 190        | 2.5 | 13 Nm   | MLC 1145  | 1130 - 1145     | 190        | 0.6 | 20 Nm   |
| MSC 525   | 495 - 525       | 190        | 2.5 | 13 Nm   | MLC 1160  | 1145 - 1160     | 190        | 0.6 | 20 Nm   |
| MSC 545   | 515 - 545       | 190        | 2.5 | 13 Nm   | MLC 1175  | 1160 - 1175     | 190        | 0.6 | 20 Nm   |
| MSC 560   | 530 - 560       | 190        | 2.5 | 13 Nm   | MLC 1190  | 1175 - 1190     | 190        | 0.6 | 20 Nm   |
| MSC 570   | 540 - 570       | 190        | 2.5 | 13 Nm   | MLC 1205  | 1190 - 1205     | 190        | 0.6 | 25 Nm   |
| MSC 580   | 550 - 580       | 190        | 2.5 | 13 Nm   | MLC 1220  | 1205 - 1220     | 190        | 0.6 | 25 Nm   |
| MSC 600   | 570 - 600       | 190        | 2.5 | 13 Nm   | MLC 1235  | 1220 - 1235     | 190        | 0.6 | 25 Nm   |
| MSC 620   | 590 - 620       | 190        | 2.5 | 13 Nm   | MLC 1250  | 1235 - 1250     | 190        | 0.6 | 25 Nm   |
| MLC 635   | 620 - 635       | 190        | 1.0 | 20 Nm   | MLC 1265  | 1250 - 1265     | 190        | 0.6 | 25 Nm   |
| MLC 650   | 635 - 650       | 190        | 1.0 | 20 Nm   | MLC 1280  | 1265 - 1280     | 190        | 0.6 | 25 Nm   |
| MLC 665   | 650 - 665       | 190        | 1.0 | 20 Nm   | MLC 1295  | 1280 - 1295     | 190        | 0.6 | 25 Nm   |
| MLC 680   | 665 - 680       | 190        | 1.0 | 20 Nm   | MLC 1310  | 1295 - 1310     | 190        | 0.6 | 25 Nm   |
| MLC 695   | 680 - 695       | 190        | 1.0 | 20 Nm   | MLC 1325  | 1310 - 1325     | 190        | 0.6 | 25 Nm   |
| MLC 700   | 670 - 700       | 190        | 1.0 | 20 Nm   | MLC 1340  | 1325 - 1340     | 190        | 0.6 | 25 Nm   |
| MLC 710   | 695 - 710       | 190        | 1.0 | 20 Nm   | MLC 1355  | 1340 - 1355     | 190        | 0.6 | 25 Nm   |
| MLC 725   | 710 - 725       | 190        | 1.0 | 20 Nm   | MLC 1370  | 1355 - 1370     | 190        | 0.6 | 25 Nm   |
| MLC 735   | 705 - 735       | 190        | 1.0 | 20 Nm   | MLC 1385  | 1370 - 1385     | 190        | 0.6 | 25 Nm   |
| MLC 740   | 725 - 740       | 190        | 1.0 | 20 Nm   | MLC 1400  | 1385 - 1400     | 190        | 0.6 | 25 Nm   |
| MLC 755   | 740 - 755       | 190        | 1.0 | 20 Nm   |           |                 |            |     |   |
| MLC 770   | 755 - 770       | 190        | 1.0 | 20 Nm   |           |                 |            |     |   |
| MLC 785   | 770 - 785       | 190        | 1.0 | 20 Nm   |           |                 |            |     |   |
| MLC 800   | 785 - 800       | 190        | 1.0 | 20 Nm   |           |                 |            |     |   |

Larger sizes are available on request.

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DATA SHEET



MISSION  
COUPLINGS

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