

| MXC performance specs | | part number | | | | | | | | | | | | |
|-----------------------|----|---------------------|-------------------------------------|----------------|---|---|---|---|---|---|-----------------------------|-----------------------------------|--------------------|--|
| | | type (OC, OI, etc.) | outer diameter, in 16ths of an inch | placeholder, D | bore one size, in 16ths of an inch (E) or in mm (M) | E = English, M = metric bore thru, K = keyway | bore one type (b = blind, T = thru, K = keyway) | bore two size, in 16ths of an inch (E) or in mm (M) | E = English, M = metric bore thru, K = keyway | bore two type (b = blind, T = thru, K = keyway) | S = set screw, C = clamping | hub material (see chart at right) | placeholder, "HUB" | midsection material (see chart at right) |
| MSC | 8 | D | | | | | | | | | | | | |
| MMC | 12 | D | | | | | | | | | | | | |
| MLC | 16 | D | | | | | | | | | | | | |

All MXC magnetic couplings have the same torque specifications, regardless of size (MSC, MMC, or MLC), bore size, or shaft attachment method.

Torque varies with gap between hubs; for this set of data, gap is assumed to be 0.030 inches (0.8mm).

| peak torque | static break torque | | torsional stiffness | | moment of inertia, (10 ⁸)kgm ⁴ | mass, grams | maximum misalignment | | | max speed, rpm | maximum ambient temperature | | | | |
|-------------|---------------------|-------|---------------------|-------|---|-------------|----------------------|-----------|---------|----------------|-----------------------------|-------|-------|-----|----|
| | Nm | in-lb | Nm | in-lb | | | Nm/rad | in-lb/rad | radial | | angular | axial | | | |
| | | | | | | | inches | mm | degrees | inches | mm | deg F | deg C | | |
| 0.1 | 0.89 | 0.2 | 1.7 | 0.1 | 0.89 | 507 | 55.6 | 0.03 | 0.76 | 10 | 0.01 | 0.25 | 2000 | 175 | 79 |
| 0.1 | 0.89 | 0.2 | 1.7 | 0.1 | 0.89 | 560 | 63.8 | 0.03 | 0.76 | 10 | 0.01 | 0.25 | 2000 | 175 | 79 |
| 0.1 | 0.89 | 0.2 | 1.7 | 0.1 | 0.89 | 706 | 75.3 | 0.03 | 0.76 | 10 | 0.01 | 0.25 | 2000 | 175 | 79 |

| MXC physical dimensions | | part number | | | | | | | | | | | | |
|-------------------------|----|---------------------|---|----------------|---|---|---|---|---|---|-----------------------------|-----------------------------------|--------------------|--|
| | | type (OC, OI, etc.) | diameter B of shaft portion of hub, in 16ths of an inch | placeholder, D | bore one size, in 16ths of an inch (E) or in mm (M) | E = English, M = metric bore thru, K = keyway | bore one type (b = blind, T = thru, K = keyway) | bore two size, in 16ths of an inch (E) or in mm (M) | E = English, M = metric bore thru, K = keyway | bore two type (b = blind, T = thru, K = keyway) | S = set screw, C = clamping | hub material (see chart at right) | placeholder, "HUB" | midsection material (see chart at right) |
| MSC | 8 | D | | | | | | | | | | | | |
| MMC | 12 | D | | | | | | | | | | | | |
| MLC | 16 | D | | | | | | | | | | | | |

| physical dimensions, inches | | | | | | |
|-----------------------------|------|-------|-------|-------|----------------------|----------------------|
| A | B | C | D | E | min bore for this OD | max bore for this OD |
| 1.53 | 0.5 | 0.313 | 0.313 | 0.904 | 0.118 | 0.25 |
| 1.78 | 0.75 | 0.438 | 0.438 | 0.904 | 0.157 | 0.313 |
| 1.905 | 1 | 0.501 | 0.501 | 0.904 | 0.236 | 0.5 |

