Datasheet MX-90 Frameless Motor - page 1 of 6

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC

1. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
2. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
3. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
4. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
5. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
6. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
7. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
8. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
9. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
10. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
11. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
12. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
13. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
14. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
15. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
16. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
17. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
18. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
19. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
20. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
21. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
22. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
23. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
24. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
25. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
26. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
27. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
28. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
29. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
30. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
31. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
32. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
33. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
34. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
35. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
36. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
37. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
38. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
39. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
40. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
41. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance
42. torque feedback encoder derating flange actuator commissioning resolver thermal winding bearing tolerance

Downloaded by a visitor - www.getfiledeck.com - 2026-11-09 11:57 UTC