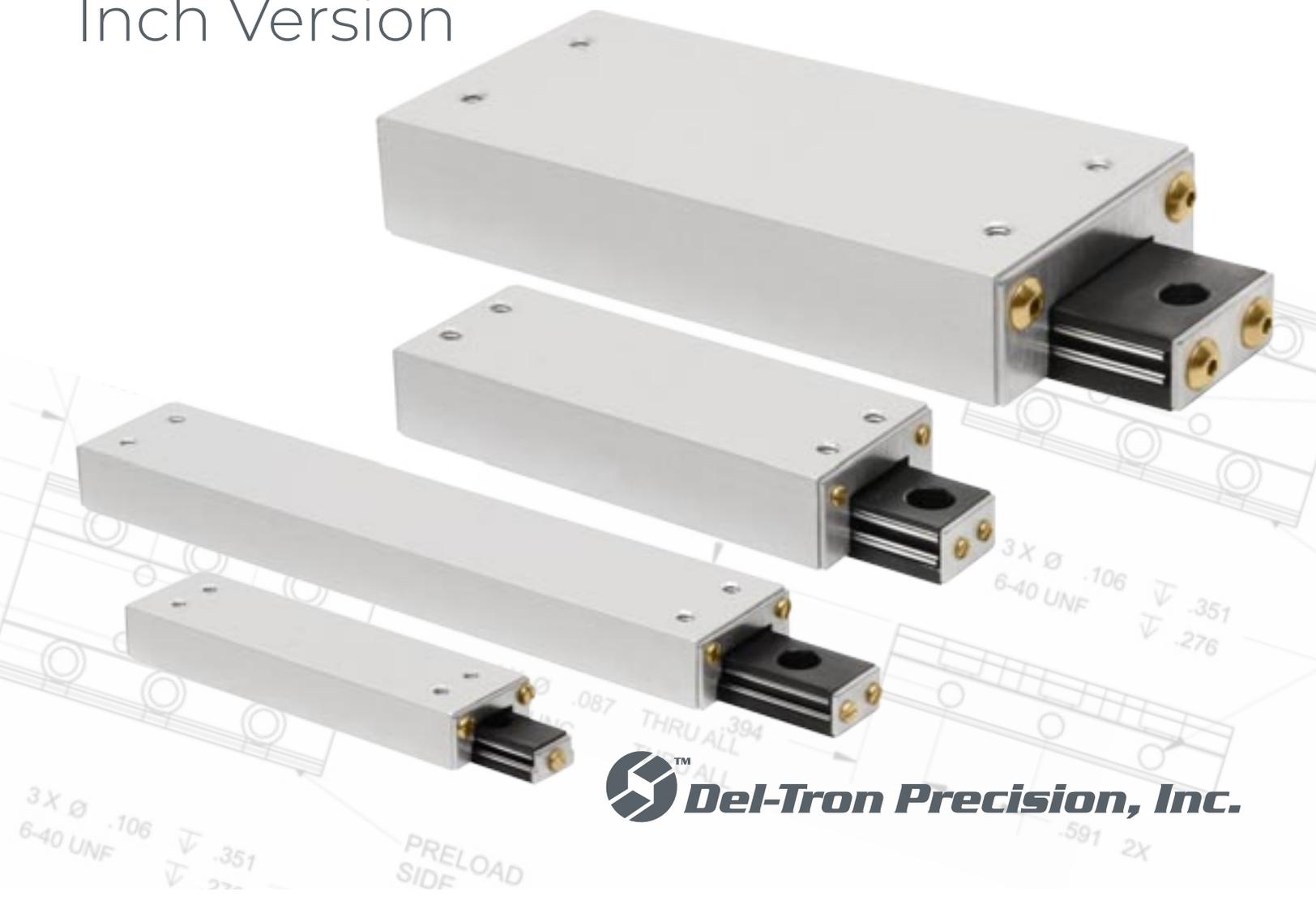


Precision Linear Motion Components

NMS Series **Ball Slide Assemblies**

Non-Magnetic Ball Slides

Inch Version



Non-Magnetic Linear Slides

6 Reasons to choose Del-Tron® Non-Magnetic Ball Slides



1. **Non-Magnetic lightweight design.**
2. **Silicon nitride ceramic ball bearings, titanium shafts, aluminum carriage and base, brass fasteners.**
3. **Factory preload minimizes side play and provides low friction.**
4. **Self cleaning ball bearing design offers long life and requires no lubrication.**
5. **Standard mounting holes simplify installation.**
6. **Mounting surfaces, parallel to the line of motion, provide straight line accuracy to 0.0005"/" of travel.**

Del-Tron® Ball Slides

Load Ratings and Life Estimates

The rated load capacity of Del-Tron® ball slides may be a mass load on a horizontal slide, or a force load normal to the mounting surface in any position. The rated load must be centered and distributed over the slide, and the base must be fully supported on a flat mounting surface so that the ball slide does not act as a beam subject to concentrated or distributed bending forces. Loads supported by protruding arms reduce accuracy and load capacity by acting as levers or ratio arms, and should be avoided even when load forces are small.

When used at the rated load capacity and moderate speeds, a life of 10 million inches of travel can be expected. The expected life at one half the rated load is 100 million inches.

Friction and Lubrication

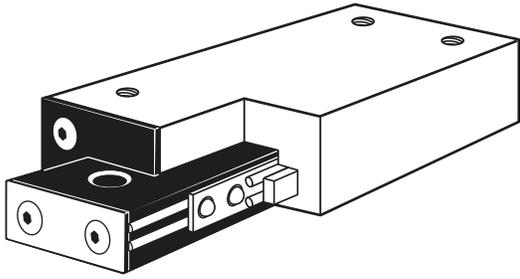
The coefficient of friction is lower for linear ball bearings than for rotary bearings, where the peripheral track is shorter on the inner race than on the outer race, causing the ball to skid on one or the other. The balls run exactly equal distances on the pair of tracks in linear bearings, permitting the ball to run without friction, wear, or skidding at any preload. The typical coefficient of friction for Del-Tron® ball slides is 0.003.

Lubrication is recommended for speeds above 1800 inches/min, and is advisable at lower speeds where high loads are applied in continuous duty applications.

Mounting and Accuracy

The mounting surfaces of the ball slide are machined flat and smooth, and parallel to each other and the line of motion. They must be mounted on smooth, flat supports that will not deflect under load. Especially with long slides of small cross section, binding may be caused by distortion of the bottom member when mounted on irregular surfaces. If so, round shims or spacers may be placed over the mounting screws to raise the slide above the surface asperities. Bedding in epoxy resin is also recommended.

The specified accuracy for all standard Del-Tron ball slides is .0005inch/inch of travel. This is measured by comparison of the line of travel to a master straight edge, using a gage or indicator mounted on the slide.

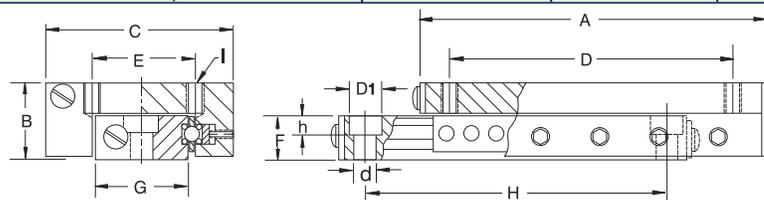


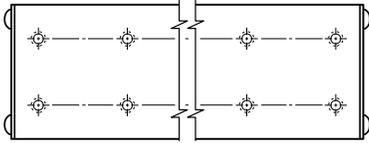
Non-Magnetic Linear Ball Slides

*Travel is 1/2 distance from center in either direction.

| MODEL | TRAVEL* | LOAD CAPACITY LB | WEIGHT OZ | LENGTH A | HEIGHT B | WIDTH C | CARRIAGE HOLE SPACING | | BASE DIMENSIONS | | |
|-----------|---------|---------------------|--------------|-------------|-------------|------------|-----------------------------|------|-----------------|------------|----------------------|
| | | | | | | | D | E | HEIGHT F | WIDTH G | HOLE SPACING H |
| D-1-NMS | .50 | 1.2 | .30 | 1.06 | .32 | .56 | .625 | .218 | .187 | .250 | .750 |
| D-2-NMS | 1.00 | 2.4 | .50 | 2.06 | .32 | .56 | 1.625 | .218 | .187 | .250 | 1.375 |
| D-3-NMS | 2.00 | 3.6 | .80 | 3.06 | .32 | .56 | 2.625 | .218 | .187 | .250 | 2.375 |
| D-4-NMS | 3.00 | 4.2 | 1.1 | 4.06 | .32 | .56 | 3.625 | .218 | .187 | .250 | 3.375 |
| D-5-NMS | 4.00 | 4.8 | 1.2 | 5.06 | .32 | .56 | 4.625 | .218 | .187 | .250 | 3.500 |
| D-6-NMS | 5.00 | 5.4 | 1.5 | 6.06 | .32 | .56 | 5.625 | .218 | .187 | .250 | 4.500 |
| <hr/> | | | | | | | | | | | |
| E-1-NMS | .50 | 2.4 | .40 | 1.06 | .41 | .75 | .625 | .375 | .250 | .375 | .750 |
| E-2-NMS | 1.00 | 3.0 | .90 | 2.06 | .41 | .75 | 1.625 | .375 | .250 | .375 | 1.375 |
| E-3-NMS | 2.00 | 3.6 | 1.3 | 3.06 | .41 | .75 | 2.625 | .375 | .250 | .375 | 2.375 |
| E-4-NMS | 3.00 | 4.2 | 1.7 | 4.06 | .41 | .75 | 3.625 | .375 | .250 | .375 | 3.375 |
| E-5-NMS | 4.00 | 4.8 | 2.1 | 5.06 | .41 | .75 | 4.625 | .375 | .250 | .375 | 3.500 |
| E-6-NMS | 5.00 | 5.4 | 2.5 | 6.06 | .41 | .75 | 5.625 | .375 | .250 | .375 | 4.500 |
| <hr/> | | | | | | | | | | | |
| M-1-NMS | .50 | 3.0 | 1.2 | 1.56 | .50 | 1.00 | 1.250 | .437 | .250 | .500 | 1.250 |
| M-2-NMS | 1.00 | 3.6 | 1.7 | 2.56 | .50 | 1.00 | 2.250 | .437 | .250 | .500 | 2.250 |
| M-2.5-NMS | 1.50 | 3.9 | 1.9 | 3.06 | .50 | 1.00 | 2.750 | .437 | .250 | .500 | 2.750 |
| M-3-NMS | 2.00 | 4.5 | 2.2 | 3.56 | .50 | 1.00 | 3.250 | .437 | .250 | .500 | 3.250 |
| M-4-NMS | 3.00 | 5.4 | 5.0 | 4.56 | .50 | 1.00 | 4.250 | .437 | .250 | .500 | 4.250 |

| SERIES | D | E | M | N | S1 | S2 | S3 |
|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| CARRIAGE 4 HOLES (I) | 2-56 UNC-2B THREAD | 4-40 UNC-2B THREAD | 6-32 UNC-2B THREAD | 6-32 UNC-2B THREAD | 6-32 UNC-2B THREAD | 6-32 UNC-2B THREAD | 10-32 UNF-2B THREAD |
| BASE HOLE d | .101 | .125 | .125 | .157 | .157 | .157 | .204 |
| BASE HOLE D ₁ | .144 | .198 | .198 | .244 | .244 | .244 | .328 |
| BASE HOLE h | .100 | .125 | .125 | .150 | .150 | .150 | .205 |
| COUNTER BORE SCREW SIZE | #2 | #4 | #4 | #6 | #6 | #6 | #10 |





| MODEL | # OF HOLES |
|-------|------------|
| S3-6 | ** 6 |
| S3-9 | ** 8 |
| S3-12 | ** 10 |

SPECIFICATIONS:

Straight Line Accuracy
.0005"/inch of travel

Coefficient of Friction
0.003 typical

Positional Repeatability
.0002"

Construction
Silicon nitride ceramic ball bearings, titanium shafts, aluminum carriage base and end caps, brass fasteners.

Finish
Clear anodize carriage and black anodize base. Other finishes on request.

*Travel is 1/2 distance from center in either direction.

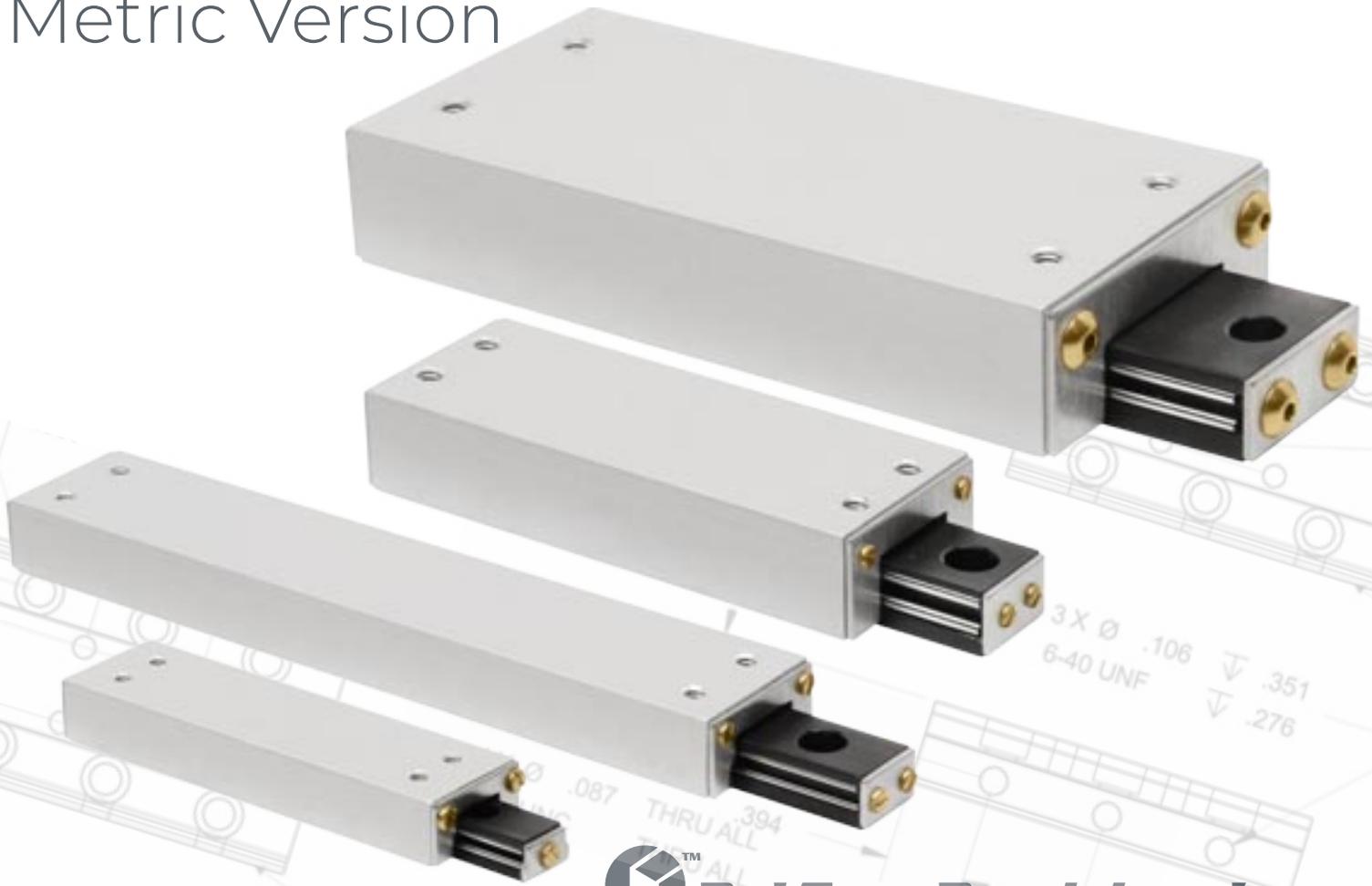
| MODEL | TRAVEL* | LOAD CAPACITY LB | WEIGHT OZ | LENGTH A | HEIGHT B | WIDTH C | CARRIAGE HOLE SPACING | | BASE DIMENSIONS | | |
|------------|---------|------------------|-----------|----------|----------|---------|-----------------------|-------|-----------------|---------|----------------|
| | | | | | | | D | E | HEIGHT F | WIDTH G | HOLE SPACING H |
| N-1-NMS | .75 | 4.5 | 1.3 | 1.56 | .53 | 1.06 | 1.250 | .437 | .312 | .500 | 1.125 |
| N-2-NMS | 1.50 | 5.4 | 2.3 | 2.56 | .53 | 1.06 | 2.250 | .437 | .312 | .500 | 2.125 |
| N-3-NMS | 2.00 | 6.0 | 3.0 | 3.56 | .53 | 1.06 | 3.250 | .437 | .312 | .500 | 3.125 |
| N-4-NMS | 3.00 | 7.5 | 5.2 | 4.56 | .53 | 1.06 | 4.000 | .437 | .312 | .500 | 3.250 |
| N-6-NMS | 4.00 | 9.0 | 6.0 | 6.00 | .53 | 1.06 | 5.500 | .437 | .312 | .500 | 4.000 |
| N-8-NMS | 6.00 | 10.5 | 7.0 | 8.00 | .53 | 1.06 | 7.500 | .437 | .312 | .500 | 5.000 |
| N-10-NMS | 8.00 | 12.0 | 8.0 | 10.00 | .53 | 1.06 | 9.500 | .437 | .312 | .500 | 7.000 |
| S1-1-NMS | 1.00 | 4.5 | 2.9 | 2.00 | .62 | 1.50 | 1.375 | .625 | .340 | .750 | 1.500 |
| S1-2-NMS | 2.00 | 6.0 | 4.3 | 3.00 | .62 | 1.50 | 2.375 | .625 | .340 | .750 | 2.500 |
| S1-3-NMS | 3.00 | 7.5 | 6.0 | 4.00 | .62 | 1.50 | 3.375 | .625 | .340 | .750 | 3.500 |
| S1-3.5-NMS | 3.50 | 9.0 | 6.7 | 5.00 | .62 | 1.50 | 4.375 | .625 | .340 | .750 | 3.500 |
| S1-4-NMS | 4.00 | 10.5 | 8.2 | 6.00 | .62 | 1.50 | 5.375 | .625 | .340 | .750 | 4.000 |
| S1-6-NMS | 6.00 | 13.5 | 9.2 | 8.00 | .62 | 1.50 | 7.375 | .625 | .340 | .750 | 5.000 |
| S1-8-NMS | 8.00 | 16.5 | 11.5 | 10.00 | .62 | 1.50 | 9.375 | .625 | .340 | .750 | 7.000 |
| S2-1-NMS | 1.00 | 6.0 | 4.0 | 2.00 | .75 | 1.75 | 1.375 | .875 | .400 | .875 | 1.625 |
| S2-1.5-NMS | 1.50 | 9.0 | 6.0 | 2.75 | .75 | 1.75 | 2.125 | .875 | .400 | .875 | 2.250 |
| S2-2-NMS | 2.00 | 12.6 | 6.5 | 3.25 | .75 | 1.75 | 2.625 | .875 | .400 | .875 | 2.750 |
| S2-3-NMS | 3.00 | 15.6 | 8.0 | 4.00 | .75 | 1.75 | 3.375 | .875 | .400 | .875 | 3.500 |
| S2-4-NMS | 4.00 | 18.0 | 11.8 | 6.00 | .75 | 1.75 | 5.500 | .875 | .400 | .875 | 4.000 |
| S2-6-NMS | 6.00 | 22.5 | 15.7 | 8.00 | .75 | 1.75 | 7.500 | .875 | .400 | .875 | 5.000 |
| S2-8-NMS | 8.00 | 27.0 | 19.5 | 10.00 | .75 | 1.75 | 9.500 | .875 | .400 | .875 | 7.000 |
| S3-1-NMS | 1.00 | 9.0 | 10.0 | 2.62 | 1.00 | 2.62 | 2.125 | 1.250 | .625 | 1.500 | 2.125 |
| S3-1.5-NMS | 1.50 | 10.5 | 10.0 | 2.62 | 1.00 | 2.62 | 1.625 | 1.250 | .625 | 1.500 | 1.875 |
| S3-2-NMS | 2.00 | 18.6 | 15.0 | 4.00 | 1.00 | 2.62 | 3.000 | 1.250 | .625 | 1.500 | 3.375 |
| S3-3-NMS | 3.00 | 26.4 | 20.8 | 5.00 | 1.00 | 2.62 | 4.000 | 1.250 | .625 | 1.500 | 4.375 |
| S3-4-NMS | 4.00 | 35.4 | 27.2 | 6.00 | 1.00 | 2.62 | 5.000 | 1.250 | .625 | 1.500 | 5.375 |
| S3-5-NMS | 5.00 | 40.5 | 31.0 | 8.00 | 1.00 | 2.62 | 7.000 | 1.250 | .625 | 1.500 | 7.375 |
| S3-6-NMS | 6.00 | 45.0 | 35.2 | 9.00 | 1.00 | 2.62 | **3.000 | 1.250 | .625 | 1.500 | 7.000 |
| S3-9-NMS | 9.00 | 55.5 | 46.5 | 12.00 | 1.00 | 2.62 | **3.000 | 1.250 | .625 | 1.500 | 10.000 |
| S3-12-NMS | 12.00 | 61.5 | 58.0 | 15.00 | 1.00 | 2.62 | **3.000 | 1.250 | .625 | 1.500 | 13.000 |

Precision Linear Motion Components

NMS Series **Ball Slide Assemblies**

Non-Magnetic Ball Slides

Metric Version



Non-Magnetic Linear Slides

6 Reasons to choose Del-Tron® Non-Magnetic Ball Slides



- 1. Non-Magnetic lightweight design.**
- 2. Silicon nitride ceramic ball bearings, titanium shafts, aluminum carriage and base, brass fasteners.**
- 3. Factory preload minimizes side play and provides low friction.**
- 4. Self cleaning ball bearing design offers long life and requires no lubrication.**
- 5. Standard mounting holes simplify installation.**
- 6. Mounting surfaces, parallel to the line of motion, provide straight line accuracy to .013mm/25mm of travel.**

Del-Tron® Ball Slides

Load Ratings and Life Estimates

The rated load capacity of Del-Tron® ball slides may be a mass load on a horizontal slide, or a force load normal to the mounting surface in any position. The rated load must be centered and distributed over the slide, and the base must be fully supported on a flat mounting surface so that the ball slide does not act as a concentrated or distributed bending forces. Loads supported by protruding arms reduce accuracy and load capacity by acting as levers or ratio arms, and should be avoided even when load forces are small.

When used at the rated load capacity and moderate speeds, a life of 25 million cm of travel can be expected. The expected life at one half the rated load is 250 million cm.

Friction and Lubrication

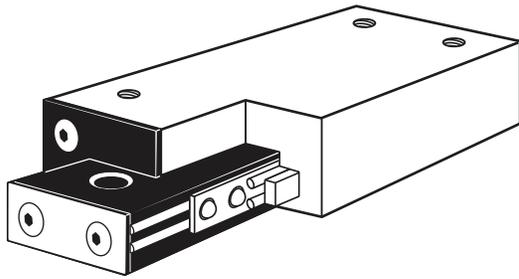
The coefficient of friction is lower for linear ball bearings than for rotary bearings, where the peripheral track is shorter on the inner race than on the outer race, causing the ball to skid on one or the other. The balls run exactly equal distances on the pair of tracks in linear bearings, permitting the ball to run without friction, wear, or skidding at any preload. The typical coefficient of friction for Del-Tron® ball slides is 0.003.

Del-Tron® ball slides are self cleaning in normal service. Lubrication is recommended for speeds above 4500 cm/min, and is advisable at lower speeds where high loads are applied in continuous duty applications.

Mounting and Accuracy

The mounting surfaces of the ball slide are machined flat and smooth, and parallel to each other and the line of motion. They must be mounted on smooth, flat supports that will not deflect under load. Especially with long slides of small cross section, binding may be caused by distortion of the bottom member when mounted on irregular surfaces. If so, round shims or spacers may be placed over the mounting screws to raise the slide above the surface asperities. Bedding in epoxy resin is also recommended.

The specified accuracy for all standard Del-Tron® ball slides is .013mm/25mm of travel. This is measured by comparison of the line of travel to a master straight edge, using a gage or indicator mounted on the slide.

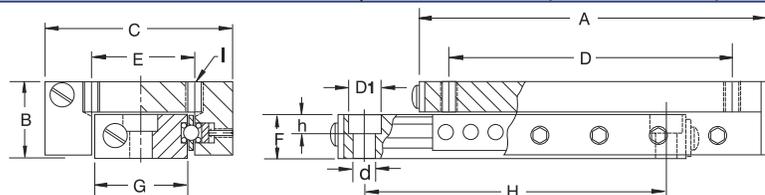


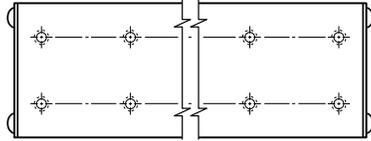
Non-Magnetic Linear Ball Slides

*Travel is 1/2 distance from center in either direction.

| MODEL | TRAVEL* | LOAD CAPACITY KG | WEIGHT G | LENGTH A | HEIGHT B | WIDTH C | CARRIAGE HOLE SPACING | | BASE DIMENSIONS | | |
|------------|---------|---------------------|-------------|-------------|-------------|------------|-----------------------------|------|-----------------|------------|----------------------|
| | | | | | | | D | E | HEIGHT F | WIDTH G | HOLE SPACING H |
| DA-1-NMS | 13 | .54 | 9 | 27.0 | 8.0 | 14.2 | 15.0 | 6.0 | 4.7 | 6.4 | 19.0 |
| DA-2-NMS | 25 | 1.1 | 14 | 52.0 | 8.0 | 14.2 | 41.0 | 6.0 | 4.7 | 6.4 | 35.0 |
| DA-3-NMS | 50 | 1.6 | 23 | 78.0 | 8.0 | 14.2 | 66.0 | 6.0 | 4.7 | 6.4 | 60.0 |
| DA-4-NMS | 75 | 1.9 | 31 | 103.0 | 8.0 | 14.2 | 92.0 | 6.0 | 4.7 | 6.4 | 86.0 |
| DA-5-NMS | 100 | 2.1 | 34 | 128.0 | 8.0 | 14.2 | 117.0 | 6.0 | 4.7 | 6.4 | 89.0 |
| DA-6-NMS | 127 | 2.5 | 43 | 154.0 | 8.0 | 14.2 | 142.0 | 6.0 | 4.7 | 6.4 | 114.0 |
| EA-1-NMS | 13 | 1.1 | 11 | 27.0 | 10.4 | 19.0 | 15.0 | 9.0 | 6.3 | 9.5 | 19.0 |
| EA-2-NMS | 25 | 1.4 | 26 | 52.0 | 10.4 | 19.0 | 41.0 | 9.0 | 6.3 | 9.5 | 35.0 |
| EA-3-NMS | 50 | 1.6 | 37 | 78.0 | 10.4 | 19.0 | 66.0 | 9.0 | 6.3 | 9.5 | 60.0 |
| EA-4-NMS | 75 | 1.9 | 48 | 103.0 | 10.4 | 19.0 | 92.0 | 9.0 | 6.3 | 9.5 | 86.0 |
| EA-5-NMS | 100 | 2.1 | 60 | 128.0 | 10.4 | 19.0 | 117.0 | 9.0 | 6.3 | 9.5 | 89.0 |
| EA-6-NMS | 127 | 2.5 | 71 | 154.0 | 10.4 | 19.0 | 142.0 | 9.0 | 6.3 | 9.5 | 114.0 |
| MA-1-NMS | 13 | 1.4 | 34 | 40.0 | 12.7 | 25.4 | 32.0 | 10.0 | 6.3 | 12.7 | 32.0 |
| MA-2-NMS | 25 | 1.6 | 48 | 65.0 | 12.7 | 25.4 | 57.0 | 10.0 | 6.3 | 12.7 | 57.0 |
| MA-2.5-NMS | 38 | 1.7 | 54 | 78.0 | 12.7 | 25.4 | 65.0 | 10.0 | 6.3 | 12.7 | 65.0 |
| MA-3-NMS | 50 | 2.0 | 62 | 90.0 | 12.7 | 25.4 | 82.0 | 10.0 | 6.3 | 12.7 | 82.0 |
| MA-4-NMS | 75 | 2.5 | 142 | 116.0 | 12.7 | 25.4 | 108.0 | 10.0 | 6.3 | 12.7 | 108.0 |

| SERIES | DA | EA | MA | NA | SA1 | SA2 | SA3 |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CARRIAGE 4 HOLES (I) | M2 THREAD | M3 THREAD | M4 THREAD | M4 THREAD | M4 THREAD | M4 THREAD | M5 THREAD |
| BASE HOLE d | 2.2 | 3.5 | 3.5 | 4.6 | 4.6 | 4.6 | 5.8 |
| BASE HOLE D ₁ | 4.0 | 6.1 | 6.1 | 8.1 | 8.1 | 8.1 | 10 |
| BASE HOLE h | 2.2 | 3.4 | 3.4 | 4.4 | 4.4 | 4.4 | 5.3 |
| COUNTER BORE SCREW SIZE | M2 | M3 | M3 | M4 | M4 | M4 | M5 |





MODEL
 SA3-6
 SA3-9
 SA3-12

OF HOLES
 ** 6
 ** 8
 ** 10

SPECIFICATIONS:

Straight Line Accuracy
 .013mm/25mm of travel

Coefficient of Friction
 0.003 typical

Positional Repeatability
 .005mm

Construction
 Silicon nitride ceramic ball bearings, titanium shafts, aluminum carriage base and end caps, brass fasteners.

Finish
 Clear anodize standard
 Black anodize available at no extra cost.

*Travel is 1/2 distance from center in either direction.

| MODEL | TRAVEL* | LOAD CAPACITY KG | WEIGHT G | LENGTH A | HEIGHT B | WIDTH C | CARRIAGE HOLE SPACING | | BASE DIMENSIONS | | |
|-------------|---------|---------------------|-------------|-------------|-------------|------------|-----------------------------|------|-----------------|------------|----------------------|
| | | | | | | | D | E | HEIGHT F | WIDTH G | HOLE SPACING H |
| NA-1-NMS | 19 | 2.0 | 37 | 40.0 | 13.4 | 26.9 | 32.0 | 10.0 | 7.9 | 12.7 | 28.0 |
| NA-2-NMS | 38 | 2.5 | 65 | 65.0 | 13.4 | 26.9 | 57.0 | 10.0 | 7.9 | 12.7 | 54.0 |
| NA-3-NMS | 50 | 2.7 | 85 | 90.0 | 13.4 | 26.9 | 82.0 | 10.0 | 7.9 | 12.7 | 79.0 |
| NA-4-NMS | 75 | 3.4 | 147 | 116.0 | 13.4 | 26.9 | 102.0 | 10.0 | 7.9 | 12.7 | 82.0 |
| NA-6-NMS | 100 | 4.1 | 170 | 152.0 | 13.4 | 26.9 | 140.0 | 10.0 | 7.9 | 12.7 | 102.0 |
| NA-8-NMS | 150 | 4.8 | 198 | 203.0 | 13.4 | 26.9 | 190.0 | 10.0 | 7.9 | 12.7 | 127.0 |
| NA-10-NMS | 200 | 5.5 | 227 | 254.0 | 13.4 | 26.9 | 240.0 | 10.0 | 7.9 | 12.7 | 178.0 |
| SA1-1-NMS | 25 | 2.0 | 82 | 51.0 | 15.8 | 38.0 | 35.0 | 16.0 | 8.6 | 19.0 | 37.0 |
| SA1-2-NMS | 50 | 2.7 | 122 | 76.0 | 15.8 | 38.0 | 60.0 | 16.0 | 8.6 | 19.0 | 60.0 |
| SA1-3-NMS | 75 | 3.4 | 170 | 102.0 | 15.8 | 38.0 | 85.0 | 16.0 | 8.6 | 19.0 | 85.0 |
| SA1-3.5-NMS | 88 | 4.1 | 190 | 127.0 | 15.8 | 38.0 | 110.0 | 16.0 | 8.6 | 19.0 | 85.0 |
| SA1-4-NMS | 100 | 4.8 | 232 | 152.0 | 15.8 | 38.0 | 136.0 | 16.0 | 8.6 | 19.0 | 100.0 |
| SA1-6-NMS | 150 | 6.1 | 261 | 203.0 | 15.8 | 38.0 | 186.0 | 16.0 | 8.6 | 19.0 | 128.0 |
| SA1-8-NMS | 200 | 7.5 | 326 | 254.0 | 15.8 | 38.0 | 238.0 | 16.0 | 8.6 | 19.0 | 178.0 |
| SA2-1-NMS | 25 | 2.7 | 113 | 51.0 | 19.0 | 44.0 | 35.0 | 20.0 | 10.2 | 22.2 | 38.0 |
| SA2-1.5-NMS | 38 | 4.1 | 170 | 70.0 | 19.0 | 44.0 | 55.0 | 20.0 | 10.2 | 22.2 | 55.0 |
| SA2-2-NMS | 50 | 5.7 | 184 | 83.0 | 19.0 | 44.0 | 65.0 | 20.0 | 10.2 | 22.2 | 65.0 |
| SA2-3-NMS | 75 | 7.1 | 227 | 102.0 | 19.0 | 44.0 | 85.0 | 20.0 | 10.2 | 22.2 | 85.0 |
| SA2-4-NMS | 100 | 8.2 | 335 | 152.0 | 19.0 | 44.0 | 140.0 | 20.0 | 10.2 | 22.2 | 100.0 |
| SA2-6-NMS | 150 | 10.2 | 445 | 203.0 | 19.0 | 44.0 | 190.0 | 20.0 | 10.2 | 22.2 | 126.0 |
| SA2-8-NMS | 200 | 12.3 | 553 | 254.0 | 19.0 | 44.0 | 240.0 | 20.0 | 10.2 | 22.2 | 178.0 |
| SA3-1-NMS | 25 | 4.1 | 283 | 67.0 | 25.4 | 66.5 | 54.0 | 35.0 | 15.9 | 38.1 | 54.0 |
| SA3-1.5-NMS | 38 | 4.8 | 283 | 67.0 | 25.4 | 66.5 | 42.0 | 35.0 | 15.9 | 38.1 | 42.0 |
| SA3-2-NMS | 50 | 8.5 | 425 | 102.0 | 25.4 | 66.5 | 75.0 | 35.0 | 15.9 | 38.1 | 75.0 |
| SA3-3-NMS | 75 | 12.0 | 590 | 127.0 | 25.4 | 66.5 | 100.0 | 35.0 | 15.9 | 38.1 | 100.0 |
| SA3-4-NMS | 100 | 16.1 | 771 | 152.0 | 25.4 | 66.5 | 125.0 | 35.0 | 15.9 | 38.1 | 125.0 |
| SA3-5-NMS | 127 | 18.4 | 879 | 203.0 | 25.4 | 66.5 | 175.0 | 35.0 | 15.9 | 38.1 | 187.0 |
| SA3-6-NMS | 150 | 20.5 | 498 | 229.0 | 25.4 | 66.5 | **75.0 | 35.0 | 15.9 | 38.1 | 178.0 |
| SA3-9-NMS | 228 | 25.2 | 1318 | 305.0 | 25.4 | 66.5 | **75.0 | 35.0 | 15.9 | 38.1 | 254.0 |
| SA3-12-NMS | 304 | 28.0 | 1644 | 381.0 | 25.4 | 66.5 | **75.0 | 35.0 | 15.9 | 38.1 | 330.0 |