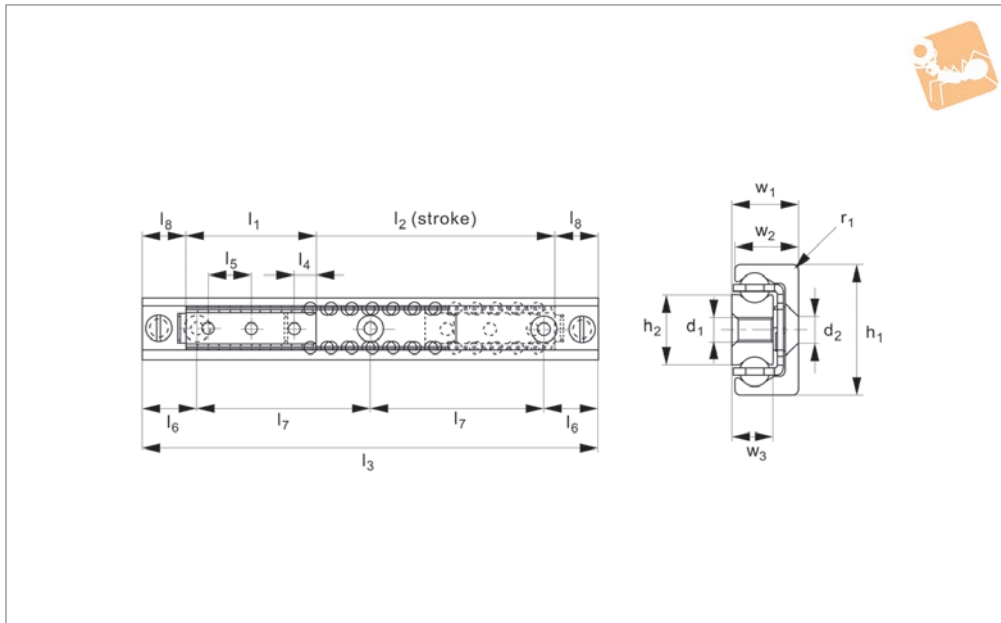




# Easy Slide - Size 28



## Long Linear Rails



### L1972.28

LONG LINEAR RAILS

#### Material

Cold drawn steel, zinc plated (excluding raceways). Induction hardened raceways. High precision, bearing steel balls with steel cages.

(less than 0,01). Speeds up to 0,8 m/s. To ensure all fixing holes in the rail are accessible  $l_1$  must be  $< (l_3 / 2) - (2 \times l_8)$ . To ensure proper smooth movement the stroke,  $l_2$  must be  $< 7 \times l_1$ . Rail weight: 1,0 Kg/m.

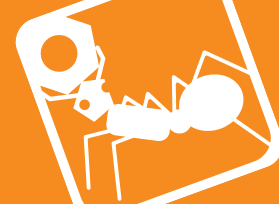
#### Tips

Must be mounted to a rigid structure. Stroke end stops must be fitted. Only to be used for horizontal movements.

#### Technical Notes

Smooth movement, with very little friction

| Order No.               | $l_1$ | $l_3$ | $l_2$ stroke | $h_1$ | $w_1$ | $d_1$ | $d_2$ for | Load $C_{0\text{ax}}$<br>N<br>max. | Load $C_{0\text{rad}}$<br>N | $M_x$<br>Nm | $M_y$<br>Nm | $M_z$<br>Nm |
|-------------------------|-------|-------|--------------|-------|-------|-------|-----------|------------------------------------|-----------------------------|-------------|-------------|-------------|
| L1972.S28-060-0030-0130 | 60    | 130   | 30           | 28    | 13    | M5    | M5        | 2436                               | 3480                        | 18          | 25          | 37          |
| L1972.S28-060-0110-0210 | 60    | 210   | 110          | 28    | 13    | M5    | M5        | 2436                               | 3480                        | 18          | 25          | 37          |
| L1972.S28-060-0190-0290 | 60    | 290   | 190          | 28    | 13    | M5    | M5        | 2436                               | 3480                        | 18          | 25          | 37          |
| L1972.S28-060-0270-0370 | 60    | 370   | 270          | 28    | 13    | M5    | M5        | 2436                               | 3480                        | 18          | 25          | 37          |
| L1972.S28-060-0350-0450 | 60    | 450   | 350          | 28    | 13    | M5    | M5        | 2436                               | 3480                        | 18          | 25          | 37          |
| L1972.S28-080-0090-0210 | 80    | 210   | 90           | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-080-0170-0290 | 80    | 290   | 170          | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-080-0250-0370 | 80    | 370   | 250          | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-080-0330-0450 | 80    | 450   | 330          | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-080-0410-0530 | 80    | 530   | 410          | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-080-0490-0610 | 80    | 610   | 490          | 28    | 13    | M5    | M5        | 3248                               | 4640                        | 23          | 45          | 65          |
| L1972.S28-130-0120-0290 | 130   | 290   | 120          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0200-0370 | 130   | 370   | 200          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0280-0450 | 130   | 450   | 280          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0360-0530 | 130   | 530   | 360          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0440-0610 | 130   | 610   | 440          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0520-0690 | 130   | 690   | 520          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0600-0770 | 130   | 770   | 600          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0680-0850 | 130   | 850   | 680          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0760-0930 | 130   | 930   | 760          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-130-0840-1010 | 130   | 1010  | 840          | 28    | 13    | M5    | M5        | 5278                               | 7540                        | 38          | 117         | 166         |
| L1972.S28-210-0200-0450 | 210   | 450   | 200          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0280-0530 | 210   | 530   | 280          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0360-0610 | 210   | 610   | 360          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0440-0690 | 210   | 690   | 440          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0520-0770 | 210   | 770   | 520          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0600-0850 | 210   | 850   | 600          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0680-0930 | 210   | 930   | 680          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |
| L1972.S28-210-0760-1010 | 210   | 1010  | 760          | 28    | 13    | M5    | M5        | 8526                               | 12180                       | 62          | 300         | 430         |



LONG LINEAR RAILS

| Order No.               | l <sub>1</sub> | l <sub>3</sub> | l <sub>2</sub> stroke | h <sub>1</sub> | w <sub>1</sub> | d <sub>1</sub> | d <sub>2</sub> for | Load C <sub>0 ax</sub><br>N<br>max. | Load C <sub>0 rad</sub><br>N | M <sub>x</sub><br>Nm | M <sub>y</sub><br>Nm | M <sub>z</sub><br>Nm |
|-------------------------|----------------|----------------|-----------------------|----------------|----------------|----------------|--------------------|-------------------------------------|------------------------------|----------------------|----------------------|----------------------|
| L1972.S28-210-0920-1170 | 210            | 1170           | 920                   | 28             | 13             | M5             | M5                 | 8526                                | 12180                        | 62                   | 300                  | 430                  |
| L1972.S28-210-1080-1330 | 210            | 1330           | 1080                  | 28             | 13             | M5             | M5                 | 8526                                | 12180                        | 62                   | 300                  | 430                  |
| L1972.S28-290-0280-0610 | 290            | 610            | 280                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0360-0690 | 290            | 690            | 360                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0440-0770 | 290            | 770            | 440                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0520-0850 | 290            | 850            | 520                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0600-0930 | 290            | 930            | 600                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0680-1010 | 290            | 1010           | 680                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-0840-1170 | 290            | 1170           | 840                   | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-1000-1330 | 290            | 1330           | 1000                  | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-290-1160-1490 | 290            | 1490           | 1160                  | 28             | 13             | M5             | M5                 | 11774                               | 16820                        | 83                   | 570                  | 815                  |
| L1972.S28-370-0360-0770 | 370            | 770            | 360                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-0450-0850 | 370            | 850            | 440                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-0520-0930 | 370            | 930            | 520                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-0600-1010 | 370            | 1010           | 600                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-0760-1170 | 370            | 1170           | 760                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-0920-1330 | 370            | 1330           | 920                   | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-370-1080-1490 | 370            | 1490           | 1080                  | 28             | 13             | M5             | M5                 | 15022                               | 21460                        | 106                  | 930                  | 1327                 |
| L1972.S28-450-0440-0930 | 450            | 930            | 440                   | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |
| L1972.S28-450-0520-1010 | 450            | 1010           | 520                   | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |
| L1972.S28-450-0680-1170 | 450            | 1170           | 680                   | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |
| L1972.S28-450-0840-1330 | 450            | 1330           | 840                   | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |
| L1972.S28-450-1000-1490 | 450            | 1490           | 1000                  | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |
| L1972.S28-450-1160-1650 | 450            | 1650           | 1160                  | 28             | 13             | M5             | M5                 | 18270                               | 26100                        | 130                  | 1374                 | 1960                 |

| Order No.               | l <sub>4</sub> | l <sub>5</sub> | Holes/ slider | l <sub>6</sub> | l <sub>7</sub> | l <sub>8</sub> | h <sub>2</sub> | w <sub>2</sub> | w <sub>3</sub> | R |
|-------------------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| L1972.S28-060-0030-0130 | 10             | 20             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-060-0110-0210 | 10             | 20             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-060-0190-0290 | 10             | 20             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-060-0270-0370 | 10             | 20             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-060-0350-0450 | 10             | 20             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0090-0210 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0170-0290 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0250-0370 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0330-0450 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0410-0530 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-080-0490-0610 | 10             | 20             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0120-0290 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0200-0370 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0280-0450 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0360-0530 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0440-0610 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0520-0690 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0600-0770 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0680-0850 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-130-0760-0930 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |



# Easy Slide - Size 28



## Long Linear Rails

| Order No.               | l <sub>4</sub> | l <sub>5</sub> | Holes/ slider | l <sub>6</sub> | l <sub>7</sub> | l <sub>8</sub> | h <sub>2</sub> | w <sub>2</sub> | w <sub>3</sub> | R |
|-------------------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| L1972.S28-130-0840-1010 | 25             | 80             | 2             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0200-0450 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0280-0530 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0360-0610 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0440-0690 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0520-0770 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0600-0850 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0680-0930 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0760-1010 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-0920-1170 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-210-1080-1330 | 25             | 80             | 3             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0280-0610 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0360-0690 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0440-0770 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0520-0850 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0600-0930 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0680-1010 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-0840-1170 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-1000-1330 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-290-1160-1490 | 25             | 80             | 4             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0360-0770 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0450-0850 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0520-0930 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0600-1010 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0760-1170 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-0920-1330 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-370-1080-1490 | 25             | 80             | 5             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-0440-0930 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-0520-1010 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-0680-1170 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-0840-1330 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-1000-1490 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |
| L1972.S28-450-1160-1650 | 25             | 80             | 6             | 25             | 80             | 20             | 15             | 12.25          | 7.5            | 1 |

LONG LINEAR RAILS