### **ALUMINIUM LINEAR HOUSINGS**

These lightweight yet heavy duty aluminium sets offer high accuracy. They consist of a corrosion resistant, highly rigid aluminium housing and a double sealed ball bushing.

The user can choose from all steel ball bushings, ball bushing with plastic cage, or our super ball bushings.

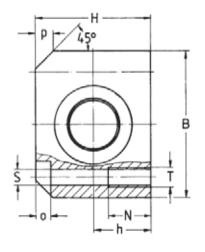
High speeds and accelerations are possible.

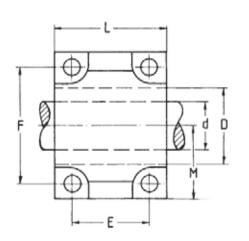
Permutations available: (example is for 20mm bore)

Ball bushing with plastic cage and seals: AE35-220 All steel ball bushing without seals: AE35-020

All STAINLESS steel bushing without seals: AE35-520

The sealed type (AE35-2..) can operate in temperatures of up to 80°C. For high temperature applications specify the steel / unsealed version AE35-0...





| PART     | d  | В   | н   | h  | L   | D  | E  | F   | М  | S    | Т   | N  | 0  | Р  | Load<br>C (N) | Load<br>C <sub>0</sub> (N) | Weight (kg) |
|----------|----|-----|-----|----|-----|----|----|-----|----|------|-----|----|----|----|---------------|----------------------------|-------------|
| AE35-212 | 12 | 42  | 35  | 18 | 39  | 22 | 23 | 32  | 21 | 4.3  | M5  | 11 | 4  | 5  | 570           | 800                        | 0.14        |
| AE35-216 | 16 | 52  | 42  | 22 | 43  | 26 | 26 | 40  | 26 | 5.3  | M6  | 13 | 5  | 6  | 800           | 940                        | 0.20        |
| AE35-220 | 20 | 60  | 50  | 25 | 54  | 32 | 32 | 45  | 30 | 6.6  | M8  | 18 | 6  | 7  | 900           | 1400                       | 0.38        |
| AE35-225 | 25 | 76  | 60  | 30 | 67  | 40 | 40 | 60  | 38 | 8.4  | M10 | 22 | 8  | 9  | 1100          | 1700                       | 0.73        |
| AE35-230 | 30 | 86  | 70  | 35 | 79  | 47 | 45 | 68  | 43 | 8.4  | M10 | 22 | 8  | 10 | 1700          | 3000                       | 1.12        |
| AE35-240 | 40 | 108 | 90  | 45 | 91  | 62 | 58 | 86  | 54 | 10.5 | M12 | 26 | 10 | 12 | 2300          | 4700                       | 2.30        |
| AE35-250 | 50 | 130 | 105 | 50 | 113 | 75 | 50 | 108 | 65 | 13.5 | M16 | 34 | 12 | 13 | 4100          | 8300                       | 3.80        |

Available with ±0.02 mm tolerance for side mounting

These Aluminium Sets are also available slotted as Adjustable Type sets. Order part no AE36- ... with suffix depending on ball bushing required (see above). In general, because of the close tolerances of ball bushings fitted to our aluminium sets we do not recommend the use of the adjustable type.

### OPEN ALUMINIUM LINEAR HOUSINGS

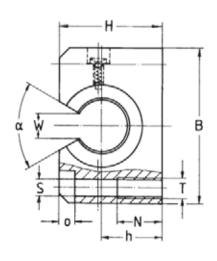
When mounting these Open Type Aluminium Sets the four securing holes should be provided with bolts to achieve the maximum load capacity and the best rigidity for every mounting position.

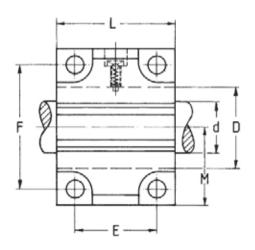
The housings are available equipped with different ball bushings.

Permutations available: (example is for 20mm bore)

Ball bushing with plastic cage and seals: AE37-220 All steel ball bushing without seal: AE37-020 All STAINLESS steel bushing without seal AE37-520

The sealed type (AE37-2..) can operate up to 80° C. For high temperature applications specify the steel / unsealed version AE37-0...





| PART     | d  | В   | Н  | h  | L   | D  | Е  | F   | М  | S    | Т   | N  | 0  | w    | α  |      | Load<br>C <sub>o</sub> (N) | Weight (kg) |
|----------|----|-----|----|----|-----|----|----|-----|----|------|-----|----|----|------|----|------|----------------------------|-------------|
| AE37-212 | 12 | 42  | 28 | 18 | 39  | 22 | 23 | 32  | 21 | 4.3  | M5  | 11 | 4  | 7.5  | 78 | 570  | 800                        | 0.10        |
| AE37-216 | 16 | 52  | 35 | 22 | 43  | 26 | 26 | 40  | 26 | 5.3  | M6  | 13 | 5  | 10   | 78 | 580  | 870                        | 0.17        |
| AE37-220 | 20 | 60  | 42 | 25 | 54  | 32 | 32 | 45  | 30 | 6.6  | M8  | 18 | 6  | 10   | 60 | 900  | 1400                       | 0.28        |
| AE37-225 | 25 | 76  | 51 | 30 | 67  | 40 | 40 | 60  | 38 | 8.4  | M10 | 22 | 8  | 12.5 | 60 | 1100 | 1700                       | 0.60        |
| AE37-230 | 30 | 86  | 60 | 35 | 79  | 47 | 45 | 68  | 43 | 8.4  | M10 | 22 | 8  | 12.5 | 50 | 1700 | 3000                       | 0.90        |
| AE37-240 | 40 | 108 | 77 | 45 | 91  | 62 | 58 | 86  | 54 | 10.5 | M12 | 26 | 10 | 16.8 | 50 | 2300 | 4700                       | 1.70        |
| AE37-250 | 50 | 130 | 88 | 50 | 113 | 75 | 50 | 108 | 65 | 13.5 | M16 | 34 | 12 | 21   | 50 | 4100 | 8300                       | 2.80        |

If the direction of the load is not acting at right angles to the mounting surface please refer to notes on page 5.

Available with ±0.02mm tolerance for side mounting

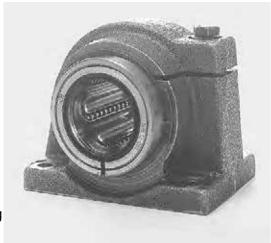
These Aluminium Sets are also available slotted as Adjustable Type sets. Order part no AE38- ... with suffix depending on ball bushing required (see above). In general, because of the close tolerances of ball bushings fitted to our aluminium sets we do not recommend the use of the adjustable type.

## **CAST IRON LINEAR HOUSINGS**

These bearing housings are manufactured from spheroidal graphite cast iron. The standard ball bushings are fitted to the closed (LE65-) and adjustable (LE66-) housings using external circlips located in the circlip grooves on the exterior of the ball bushing.

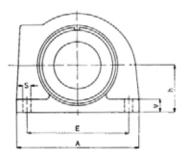
The design of the housing allows a mounting position that enables the load to act in any direction providing a high rigidity. The high precision of these units ensures full mutual interchangability.

The housings can be fitted with either a sealed linear bearing with plastic cage (LE65-2..) or with an all steel linear bearing (LE65-0..).

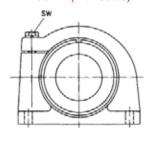


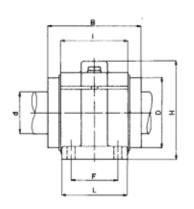
Closed:

LE65-0.. (without seals) LE65-2.. (with seals)



Adjustable: LE66-0.. (without seals) LE66-2.. (with seals)





| PART     | PART         |    |     |    |     |     |     |     |     |     |    |     |     |     | Weight |
|----------|--------------|----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|--------|
| (Closed) | (Adjustable) | d  | D   | h  | Н   | В   | Α   | L   | -   | Е   | F  | S   | ٧   | SW  | (kg)   |
| LE6508   | LE6608       | 8  | 16  | 15 | 28  | 25  | 32  | 28  | 14  | 25  | 20 | 3.4 | 5   | 5.5 | 0.09   |
| LE6512   | LE6612       | 12 | 22  | 18 | 35  | 32  | 42  | 32  | 20  | 32  | 23 | 4.5 | 5.5 | 7   | 0.16   |
| LE6516   | LE6616       | 16 | 26  | 22 | 42  | 36  | 50  | 35  | 22  | 40  | 26 | 4.5 | 6.5 | 7   | 0.24   |
| LE6520   | LE6620       | 20 | 32  | 25 | 50  | 45  | 60  | 42  | 28  | 45  | 32 | 4.5 | 8   | 7   | 0.43   |
| LE6525   | LE6625       | 25 | 40  | 30 | 60  | 58  | 74  | 54  | 40  | 60  | 40 | 5.5 | 9   | 8   | 0.86   |
| LE6530   | LE6630       | 30 | 47  | 35 | 70  | 68  | 84  | 60  | 48  | 68  | 45 | 6.6 | 10  | 10  | 1.34   |
| LE6540   | LE6640       | 40 | 62  | 45 | 90  | 80  | 108 | 78  | 56  | 86  | 58 | 9   | 12  | 13  | 2.67   |
| LE6550   | LE6650       | 50 | 75  | 50 | 105 | 100 | 130 | 70  | 72  | 108 | 50 | 9   | 14  | 13  | 3.74   |
| LE6560   | LE6660       | 60 | 90  | 60 | 125 | 125 | 160 | 92  | 95  | 132 | 65 | 11  | 15  | 17  | 6.77   |
| LE6580   | LE6680       | 80 | 120 | 80 | 170 | 165 | 200 | 122 | 125 | 170 | 90 | 13  | 22  | 19  | 15.50  |

## OPEN CAST IRON LINEAR HOUSINGS

These spheroidal graphite cast iron housings are equipped with open type ball bushings that are secured against displacement by a grub screw. This enables easy interchange of the bushings.

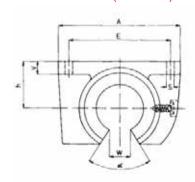
The housings can be mounted so that the load is able to act in any direction.

The high precision of these units ensures full mutual interchangeability.

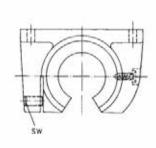
The housing can be fitted with either a sealed linear bearing with plastic cage (LE67-2..) or with an all steel linear bearing (LE67-0..).

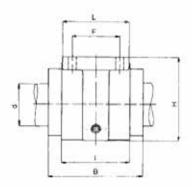


Open: LE67-0.. (without seals) LE67-2.. (with seals)



Adjustable: LE68-0.. (without seals) LE68-2.. (with seals)





| PART   | PART         |    |    |     |     |     |     |     |     |    |     |     |     |      |    | Weight |
|--------|--------------|----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|------|----|--------|
| (Open) | (Adjustable) | d  | h  | Н   | В   | Α   | L   | I   | Е   | F  | S   | ٧   | SW  | W    | α  | (kg)   |
| LE6712 | LE6812       | 12 | 18 | 28  | 32  | 42  | 32  | 20  | 32  | 23 | 4.5 | 5.5 | 2.5 | 7.5  | 78 | 0.13   |
| LE6716 | LE6816       | 16 | 22 | 35  | 36  | 50  | 35  | 22  | 40  | 26 | 4.5 | 6.5 | 2.5 | 10   | 78 | 0.21   |
| LE6720 | LE6820       | 20 | 25 | 42  | 45  | 60  | 42  | 28  | 45  | 32 | 4.5 | 8   | 2.5 | 10   | 60 | 0.36   |
| LE6725 | LE6825       | 25 | 30 | 51  | 58  | 74  | 54  | 40  | 60  | 40 | 5.5 | 9   | 3   | 12.5 | 60 | 0.73   |
| LE6730 | LE6830       | 30 | 35 | 60  | 68  | 84  | 60  | 48  | 68  | 45 | 6.6 | 10  | 3   | 12.5 | 50 | 1.18   |
| LE6740 | LE6840       | 40 | 45 | 77  | 80  | 108 | 78  | 56  | 86  | 58 | 9   | 12  | 4   | 16.8 | 50 | 2.30   |
| LE6750 | LE6850       | 50 | 50 | 88  | 100 | 130 | 70  | 72  | 108 | 50 | 9   | 14  | 5   | 21   | 50 | 3.10   |
| LE6760 | LE6860       | 60 | 60 | 105 | 125 | 160 | 92  | 95  | 132 | 65 | 11  | 15  | 5   | 27.2 | 54 | 5.78   |
| LE6780 | LE6880       | 80 | 80 | 140 | 165 | 200 | 122 | 125 | 170 | 90 | 13  | 22  | 6   | 36.3 | 54 | 12.80  |

### TANDEM ALUMINIUM LINEAR HOUSINGS

These units are manufactured from aluminium alloy and incorporate two ball bushings in line.

Using these aluminium tandem sets eliminates the difficulty of perfectly aligning two single housings.

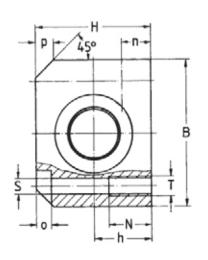
As with our other housings the tandem sets are available with different types of ball bushings.

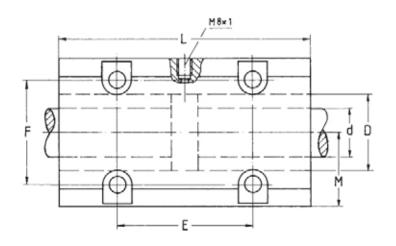
The various options (shown here for a 20mm shaft) are:

Ball bushing with plastic cage and seals: TE85-220 All steel ball bushing without seal: TE85-020 All STAINLESS steel bushing without seal TE85-520

The sealed types can operate up to 80°C. Above this temperature specify unsealed (TE85-0..).







| PART     | p  | В   | Н   | h  | _   | D  | E   | F   | М  | S    | Т   | Z  | n  | 0  | q  | Load<br>C=C <sub>0</sub><br>(N) | Weight (kg) |
|----------|----|-----|-----|----|-----|----|-----|-----|----|------|-----|----|----|----|----|---------------------------------|-------------|
| TE85-212 | 12 | 42  | 35  | 18 | 76  | 22 | 40  | 30  | 21 | 5.3  | M6  | 13 | 10 | 4  | 5  | 1100                            | 0.32        |
| TE85-216 | 16 | 52  | 42  | 22 | 84  | 26 | 45  | 36  | 26 | 5.3  | M6  | 13 | 12 | 5  | 6  | 1300                            | 0.48        |
| TE85-220 | 20 | 60  | 50  | 25 | 104 | 32 | 55  | 45  | 30 | 6.6  | M8  | 18 | 13 | 6  | 7  | 1750                            | 0.84        |
| TE85-225 | 25 | 76  | 60  | 30 | 130 | 40 | 70  | 54  | 38 | 8.4  | M10 | 22 | 15 | 8  | 9  | 1950                            | 1.62        |
| TE85-230 | 30 | 86  | 70  | 35 | 152 | 47 | 85  | 62  | 43 | 10.5 | M12 | 26 | 16 | 8  | 10 | 3100                            | 2.46        |
| TE85-240 | 40 | 108 | 90  | 45 | 176 | 62 | 100 | 80  | 54 | 13.5 | M16 | 34 | 20 | 10 | 12 | 4300                            | 4.79        |
| TE85-250 | 50 | 130 | 105 | 50 | 224 | 75 | 125 | 100 | 65 | 13.5 | M16 | 34 | 20 | 12 | 13 | 7600                            | 8.06        |

Available with ±0.02 mm tolerance for side mounting

These Aluminium Sets are also available slotted as Adjustable Type sets. Order part no TE32- ... with suffix depending on ball bushing required (see above).

The mounting holes are then the same (E F & T) as the TE33 – see page 30.

In general, because of the close tolerances of ball bushings fitted to our Aluminium sets we do not recommend the use of the adjustable type.

### OPEN TANDEM ALUMINIUM LINEAR HOUSINGS

Two open type ball bushings are incorporated into these precision aluminium alloy housings.

Using these aluminium tandem sets eliminates the need to precisely mount two single housings.

As with our other sets the tandem sets are available with different types of ball bushings.

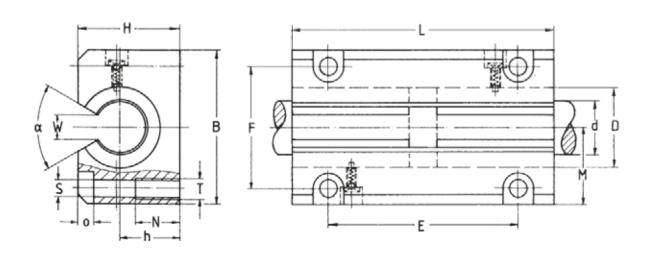
Permutations available: (example is for 20mm bore)

Ball bushing with plastic cage and seals: TE33-220 All steel ball bushing without seals: TE33-020 All STAINLESS steel bushing without seal TE33-520



The sealed types can operate up to 80°C.

For high temperature applications specify the unsealed version (TE33-0..).



| PART     | d  | В   | н  | h  | L   | D  | E   | F   | M* | S    | т   | N  | 0  | W    | α  | Load<br>C=C <sub>0</sub><br>(N) | Weight (kg) |
|----------|----|-----|----|----|-----|----|-----|-----|----|------|-----|----|----|------|----|---------------------------------|-------------|
| TE33-212 | 12 | 42  | 28 | 18 | 76  | 22 | 56  | 32  | 21 | 4.3  | M5  | 11 | 4  | 7.5  | 78 | 1100                            | 0.26        |
| TE33-216 | 16 | 52  | 35 | 22 | 84  | 26 | 64  | 40  | 26 | 5.3  | M6  | 13 | 5  | 10   | 78 | 1300                            | 0.38        |
| TE33-220 | 20 | 60  | 42 | 25 | 104 | 32 | 76  | 45  | 30 | 6.6  | M8  | 18 | 6  | 10   | 60 | 1750                            | 0.67        |
| TE33-225 | 25 | 76  | 51 | 30 | 130 | 40 | 94  | 60  | 38 | 8.4  | M10 | 22 | 8  | 12.5 | 60 | 1950                            | 1.31        |
| TE33-230 | 30 | 86  | 60 | 35 | 152 | 47 | 106 | 68  | 43 | 8.4  | M10 | 22 | 8  | 12.5 | 50 | 3100                            | 2.01        |
| TE33-240 | 40 | 108 | 77 | 45 | 176 | 62 | 124 | 86  | 54 | 10.5 | M12 | 26 | 10 | 16.8 | 50 | 4300                            | 3.93        |
| TE33-250 | 50 | 130 | 88 | 50 | 224 | 75 | 160 | 108 | 65 | 13.5 | M16 | 34 | 12 | 21   | 50 | 7600                            | 6.20        |

\*Available with ±0.02 mm tolerance for side mounting

These Aluminium Sets are also available slotted as Adjustable Type sets. Order part no TE34- ... with suffix depending on ball bushing required (see above). In general, because of the close tolerances of ball bushings fitted to our aluminium sets we do not recommend the use of the adjustable type.

### FLANGED LINEAR HOUSINGS

The flanged linear housings consist of a spheroidal graphite cast iron housing containing a ball bushing. The housing can be attached vertically or horizontally to the supporting surface.

The incorporated ball bushing is supported over its whole recirculating length.

As with our housings, these flanged sets are available with different types of ball bushings.

Permutations available: (example is for 20mm bore)

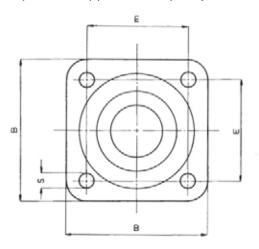
Ball bushing with plastic cage and seals: FE81-220

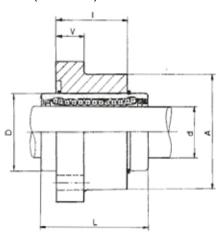
All steel ball bushing without seal: FE81-020

All STAINLESS steel bushing without seal FE81-520

The sealed types can operate up to 80°C.

For high temperature applications specify the unsealed version (FE81-0..).

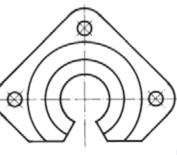




| PART       | PART      |    |     |     |     |     |     |     |     |    | Weight |
|------------|-----------|----|-----|-----|-----|-----|-----|-----|-----|----|--------|
| (no seals) | (2 seals) | d  | В   | L   | ı   | D   | Α   | E   | S   | V  | (kg)   |
| FE81-012   | FE81-212  | 12 | 42  | 32  | 22  | 22  | 30  | 30  | 5.5 | 6  | 0.14   |
| FE81-016   | FE81-216  | 16 | 50  | 36  | 24  | 26  | 36  | 35  | 5.5 | 8  | 0.23   |
| FE81-020   | FE81-220  | 20 | 60  | 45  | 30  | 32  | 42  | 42  | 6.6 | 10 | 0.38   |
| FE81-025   | FE81-225  | 25 | 74  | 58  | 42  | 40  | 54  | 54  | 6.6 | 12 | 0.78   |
| FE81-030   | FE81-230  | 30 | 84  | 68  | 50  | 47  | 62  | 60  | 9   | 14 | 1.23   |
| FE81-040   | FE81-240  | 40 | 108 | 80  | 59  | 62  | 82  | 78  | 11  | 16 | 2.31   |
| FE81-050   | FE81-250  | 50 | 130 | 100 | 75  | 75  | 100 | 98  | 11  | 18 | 4.32   |
| FE81-060   | FE81-260  | 60 | 160 | 125 | 99  | 90  | 118 | 120 | 14  | 22 | 7.94   |
| FE81-080   | FE81-280  | 80 | 200 | 165 | 130 | 120 | 156 | 155 | 14  | 26 | 16.75  |

For applications using rail supported shafts these flanged linear sets are available as open type sets. Please refer to the table above for housing detail and the tables for open type ball bushings for the bushing details

Part number becomes FE83-... (suffixes as above for different ball bushing types)



# TANDEM FLANGED ALUMINIUM HOUSINGS

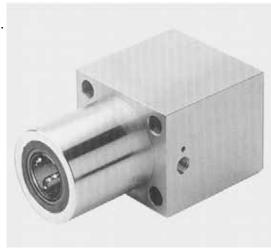
These aluminium linear sets contain two ball bushings in line. The housing has mounting holes on one face to enable the unit to be bolted to a bulkhead as is shown in the drawing below.

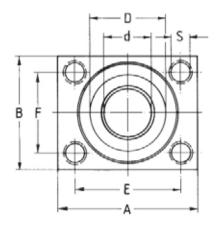
As with our other sets the flanged sets are available with different types of ball bushings.

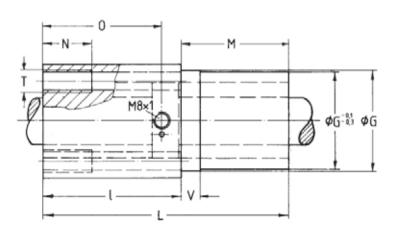
Permutations available: (example is for 20mm bore)

Ball bushing with plastic cage and seals: TF83-220 All steel ball bushing without seal: TF83-020 All STAINLESS steel bushing without seal TF83-520

The sealed types can operate up to 80° C. For higher temperatures specify the unsealed type (TF83-0..).







| PART     | d  | D  | G* | A  | В  | L   | E  | F  | S <sup>+</sup> | Т   | ı  | М  | N  | 0  | v  | Load<br>C=C <sub>0</sub><br>(N) | Weight (kg) |
|----------|----|----|----|----|----|-----|----|----|----------------|-----|----|----|----|----|----|---------------------------------|-------------|
| TF83-212 | 12 | 22 | 30 | 42 | 34 | 76  | 32 | 24 | 5.3            | M6  | 46 | 30 | 13 | 35 | 10 | 1100                            | 0.22        |
| TF83-216 | 16 | 26 | 35 | 50 | 40 | 84  | 38 | 28 | 6.6            | M8  | 50 | 34 | 18 | 40 | 10 | 1300                            | 0.33        |
| TF83-220 | 20 | 32 | 42 | 60 | 50 | 104 | 45 | 35 | 8.4            | M10 | 60 | 44 | 22 | 50 | 10 | 1750                            | 0.58        |
| TF83-225 | 25 | 40 | 52 | 74 | 60 | 130 | 56 | 42 | 10.5           | M12 | 73 | 57 | 26 | 63 | 10 | 1950                            | 1.15        |
| TF83-230 | 30 | 47 | 61 | 84 | 70 | 152 | 64 | 50 | 13.5           | M16 | 82 | 70 | 34 | 74 | 20 | 3100                            | 1.70        |

\*We recommend the bore of the corresponding housing to be H7

+ locating screw DIN912 - 8.8

#### OPEN SIDED ALUMINIUM LINEAR HOUSINGS

If the direction of the load is acting towards the open side of an open type ball bushing the load capacity is severely reduced.

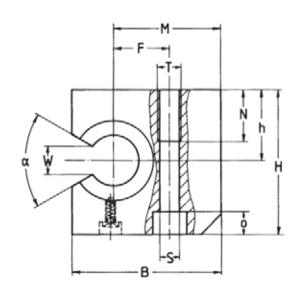
These open sided linear sets have been developed to overcome this issue and are designed to optimise rigidity and load capacity for side mounted applications.

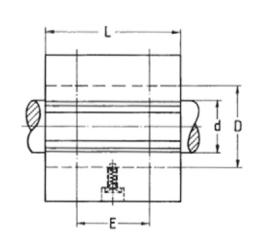
As with our other sets these sets are available with different types of ball bushings.

Permutations available: (example is for 20mm bore)

Ball bushing with plastic cage and seals: LE71-220 All steel ball bushing without seal: LE71-020 All STAINLESS steel bushing without seal LE71-520

The sealed types can operate up to 80°C. For higher temperatures specify the unsealed type (LE71-020).





| PART      | d  | В   | Н   | h  | L   | D  | E  | F  | М  | s    | Т   | N  | 0  | W  |    | 1    | Load⁺<br>C₀(N) | Weight (kg) |
|-----------|----|-----|-----|----|-----|----|----|----|----|------|-----|----|----|----|----|------|----------------|-------------|
| LE71-220  | 20 | 60  | 60  | 30 | 54  | 32 | 30 | 22 | 43 | 8.4  | M10 | 22 | 9  | 17 | 60 | 900  | 1400           | 0.40        |
| LE71-225  | 25 | 75  | 72  | 35 | 67  | 40 | 36 | 28 | 54 | 10.5 | M12 | 26 | 11 | 21 | 60 | 1100 | 1700           | 0.75        |
| LE71-230· | 30 | 86  | 82  | 40 | 79  | 47 | 42 | 34 | 61 | 13.5 | M16 | 34 | 13 | 21 | 50 | 1700 | 3000           | 1.15        |
| LE71-240· | 40 | 110 | 100 | 45 | 91  | 62 | 48 | 43 | 78 | 16.0 | M20 | 43 | 14 | 27 | 50 | 2300 | 4700           | 2.00        |
| LE71-250· | 50 | 127 | 115 | 50 | 113 | 75 | 62 | 50 | 89 | 17.5 | M20 | 43 | 17 | 33 | 50 | 4100 | 8300           | 3.50        |

•Available with ±0.02 tolerance for side mounting

These aluminium sets are also available slotted as adjustable type sets. Order part no LE72- ... with suffix depending on ball bushing required (see above). In general, because of the close tolerances of ball bushings fitted to our aluminium sets we do not recommend the use of the adjustable type.

<sup>+</sup> If the direction of the load is not acting at 90° to the mounting surface please refer to the notes on page 5.

# COMPACT ALUMINIUM LINEAR HOUSINGS

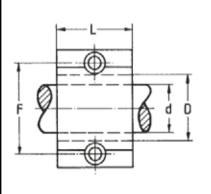
These aluminium sets are equipped with compact ball bushings.

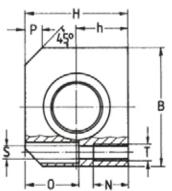
There are two types, single length (AG27) or tandem (double) length (AG85).

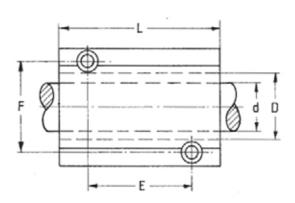
To order the sets with standard steel ball bushings use part numbers shown in the table below e.g. AG27-220

To order the sets with STAINLESS STEEL ball bushings modify the part number to read (for example) AG27-520 or AG85-520









| PART     | PART     |    |     |    |    |     |    |    |    |      |     |    |    |    | Load  | Load     | Weight |
|----------|----------|----|-----|----|----|-----|----|----|----|------|-----|----|----|----|-------|----------|--------|
|          | (Tandem) | d  | В   | Н  | h  | L   | D  | Ε  | F  | S    | Т   | N  | 0  | Р  | C (N) | $C_0(N)$ | (kg)   |
| AG27-212 |          | 12 | 40  | 33 | 17 | 28  | 19 |    | 29 | 4.3  | M5  | 11 | 17 | 5  | 695   | 510      | 0.08   |
|          | AG85-212 | 12 | 40  | 33 | 17 | 60  | 19 | 35 | 29 | 4.3  | M5  | 11 | 17 | 5  | 1140  | 1020     | 0.17   |
| AG27-216 |          | 16 | 45  | 38 | 19 | 30  | 24 |    | 34 | 4.3  | M5  | 11 | 20 | 6  | 930   | 630      | 0.11   |
|          | AG85-216 | 16 | 45  | 38 | 19 | 65  | 24 | 40 | 34 | 4.3  | M5  | 11 | 20 | 6  | 1530  | 1270     | 0.23   |
| AG27-220 |          | 20 | 53  | 45 | 23 | 30  | 28 |    | 40 | 5.3  | M6  | 13 | 23 | 7  | 1160  | 800      | 0.15   |
|          | AG85-220 | 20 | 53  | 45 | 23 | 65  | 28 | 45 | 40 | 5.3  | M6  | 13 | 23 | 7  | 1900  | 1600     | 0.32   |
| AG27-225 |          | 25 | 62  | 54 | 27 | 40  | 35 |    | 48 | 6.6  | M8  | 18 | 28 | 9  | 2120  | 1560     | 0.27   |
|          | AG85-225 | 25 | 62  | 54 | 27 | 85  | 35 | 55 | 48 | 6.6  | M8  | 18 | 28 | 9  | 3450  | 3150     | 0.56   |
| AG27-230 |          | 30 | 67  | 60 | 30 | 50  | 40 |    | 53 | 6.6  | M8  | 18 | 31 | 10 | 3150  | 2700     | 0.40   |
|          | AG85-230 | 30 | 67  | 60 | 30 | 105 | 40 | 70 | 53 | 6.6  | M8  | 18 | 31 | 10 | 5200  | 5400     | 0.82   |
| AG27-240 |          | 40 | 87  | 76 | 39 | 60  | 52 |    | 69 | 8.4  | M10 | 22 | 38 | 12 | 5300  | 4400     | 0.75   |
|          | AG85-240 | 40 | 87  | 76 | 39 | 125 | 52 | 85 | 69 | 8.4  | M10 | 22 | 38 | 12 | 9000  | 9000     | 1.58   |
| AG27-250 |          | 50 | 103 | 92 | 47 | 70  | 62 |    | 82 | 10.5 | M12 | 26 | 46 | 18 | 6400  | 5800     | 1.20   |

These aluminium sets are availble as slotted type to allow adjustment of running clearance. To specify that type use prefix AG28 (only standard length type available in slotted version)