

## TAKE-UP UNITS

Cooper Take-up units are an efficient means of tensioning the pulleys of conveyors and elevators.

Each take-up unit consists of a Cooper split roller bearing in a swivel cartridge mounted in a cast iron sliding unit. Two basic configurations are available – the 'push' type and 'tension' type as illustrated.

Usually a Cooper take-up will be mounted at each end of the shaft. Up to and including

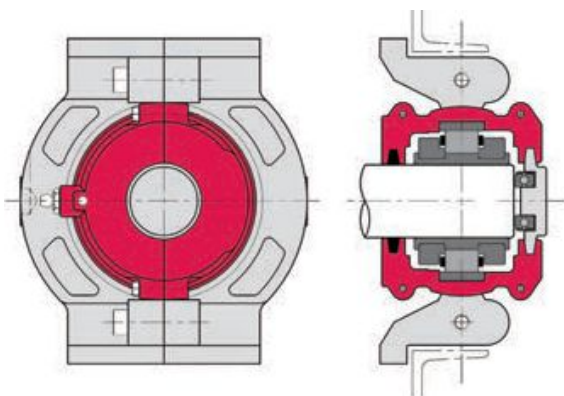
90mm/3½" bore size the standard arrangement uses two expansion (EX) bearings, with axial location provided by blanking plates and ball thrust bearings. Above 90mm/3½" bore size the standard arrangement uses two fixed (GR) bearings and plain blanking plates. If a through-shaft or different method of axial location is required, please consult our technical department.

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### PUSH TYPE

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Up to 90mm arrangement

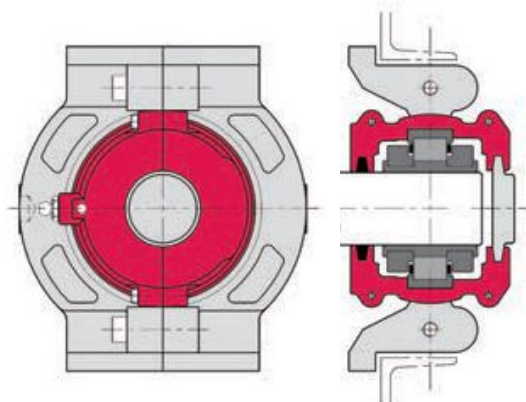



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### PUSH TYPE

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Over 90mm arrangement

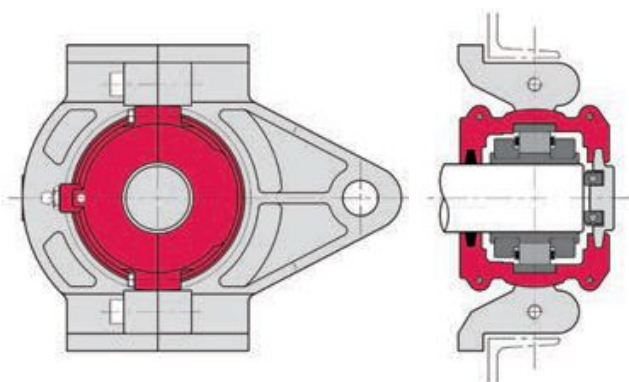



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### TENSION TYPE

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Up to 90mm arrangement

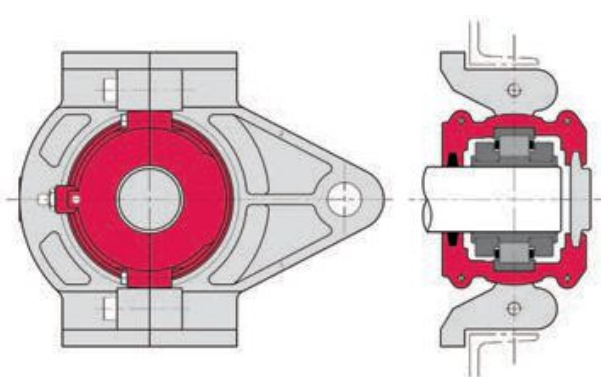


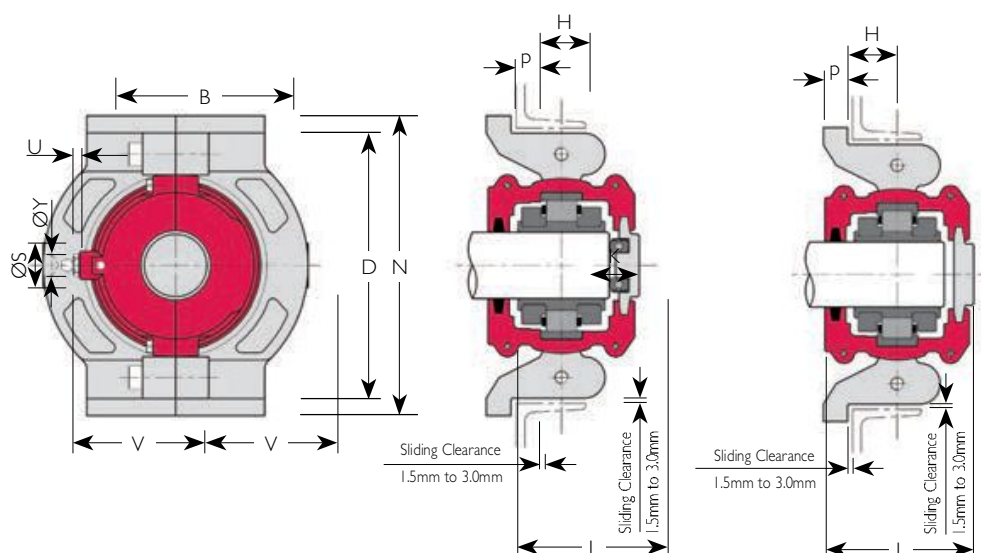

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### TENSION TYPE

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Over 90mm arrangement





## 100 SERIES UP TO 90mm BORE SIZE

| Group Reference | Shaft Diameter<br>d | References (1) |           |                     |      | Take-up housing | B (mm) | N (mm) | D (mm) | V (mm) | K (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|---------------------|----------------|-----------|---------------------|------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                     | Bearing        |           |                     |      |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| 100 300         | 75mm                | 2 15/16" 3"    | 100 B 75M | 100 B 215 100 B 300 | TP03 | 128             | 235    | 203    | 102    | 30     | 20     | 32     | 104    | 38     | 16     | 6      | 13     |                           |
| 100 307         | 85mm                | 3 7/16"        | 100 B 85M | 100 B 307           | TP04 | 152             | 266    | 229    | 114    | 35     | 22     | 40     | 114    | 41     | 16     | 6      | 17     |                           |

1) For radial bearing only reference (for standard arrangement) add 'EX' e.g. 100 B 75M EX. Ball thrust bearings are usually

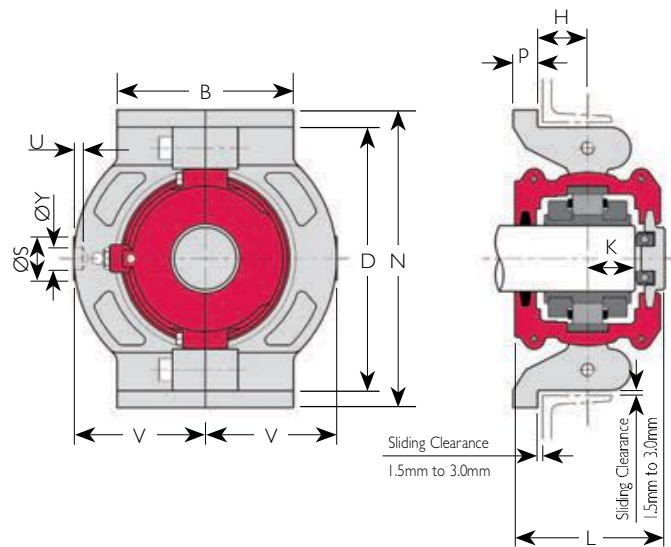
supplied complete with blanking plate. Refer to page 12  
For cartridge reference refer to page 28

## 100 SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft Diameter<br>d     | References (2) |                                        |                        | Take-up housing | B (mm) | N (mm) | D (mm) | V (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|-------------------------|----------------|----------------------------------------|------------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                         | Bearing        |                                        |                        |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 100 400         | 100mm                   | 3 15/16" 4"    | 100 B 100M                             | 100 B 315<br>100 B 400 | TP05            | 190    | 318    | 280    | 140    | 22     | 40     | 136    | 51     | 16     | 6      | 26                        |
| 100 408         | 110mm<br>115mm          | 4 7/16" 4 1/2" | 100 B 110M<br>100 B 115M               | 100 B 407<br>100 B 408 | TP06            | 204    | 342    | 305    | 152    | 22     | 43     | 134    | 51     | 19     | 6      | 29                        |
| 100 500         | 120mm<br>125mm<br>130mm | 4 15/16" 5"    | 100 B 120M<br>100 B 125M<br>100 B 130M | 100 B 415<br>100 B 500 | TP07            | 216    | 382    | 343    | 162    | 22     | 48     | 142    | 70     | 19     | 6      | 42                        |
| 100 508         | 140mm                   | 5 7/16" 5 1/2" | 100 B 140M                             | 100 B 507<br>100 B 508 | TP08            | 254    | 420    | 381    | 190    | 25     | 51     | 156    | 76     | 19     | 6      | 60                        |
| 100 600         | 150mm                   | 5 15/16" 6"    | 100 B 150M                             | 100 B 515<br>100 B 600 | TP09            | 266    | 438    | 400    | 196    | 25     | 54     | 168    | 76     | 23     | 8      | 73                        |

2) For radial bearing only reference (for standard arrangement) add 'GR' e.g. 100 B 100M GR

For cartridge reference refer to page 30

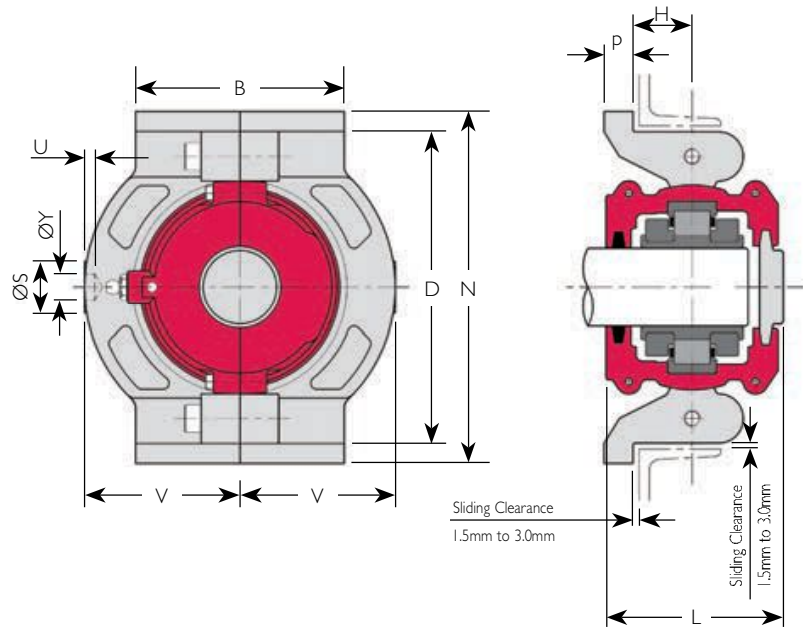


## OI/OIE SERIES UP TO 90mm BORE SIZE

| Group Reference | Shaft Diameter d     | References (I) |           | Take-up housing | B (mm) | N (mm) | D (mm) | V (mm) | K (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|----------------------|----------------|-----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                      | Bearing        |           |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| OI 108          | 35mm<br>40mm         | 1 3-16"        | OI B 103  | TP01            | 102    | 172    | 153    | 76     | 27     | 14     | 29     | 86     | 25     | 13     | 5      | 6                         |
|                 |                      | 1 1/4"         | OI B 104  |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 1 7/16"        | OI B 107  |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 1 1/2"         | OI B 108  |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| OIE 200         | 45mm<br>50mm         | 1 11/16"       | OIE B 111 | TP02            | 114    | 204    | 178    | 88     | 29     | 16     | 29     | 98     | 29     | 13     | 5      | 9                         |
|                 |                      | 1 3/4"         | OIE B 112 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 1 15/16"       | OIE B 115 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 2"             | OIE B 200 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| OIE 208         | 55mm<br>60mm<br>65mm | 2 3/16"        | OIE B 203 | TP03            | 128    | 235    | 203    | 102    | 30     | 20     | 32     | 104    | 38     | 16     | 6      | 13                        |
|                 |                      | 2 1/4"         | OIE B 204 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 2 7/16"        | OIE B 207 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 2 1/2"         | OIE B 208 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| OIE 300         | 70mm<br>75mm         | 2 11/16"       | OIE B 211 | TP04            | 152    | 266    | 229    | 114    | 35     | 22     | 40     | 114    | 41     | 16     | 6      | 17                        |
|                 |                      | 2 3/4"         | OIE B 212 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 2 15/16"       | OIE B 215 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 3"             | OIE B 300 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
| OIE 308         | 80mm<br>85mm<br>90mm | 3 3/16"        | OIE B 303 | TP05            | 190    | 318    | 280    | 140    | 40     | 22     | 40     | 136    | 51     | 16     | 6      | 27                        |
|                 |                      | 3 1/4"         | OIE B 304 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 3 7/16"        | OIE B 307 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                      | 3 1/2"         | OIE B 308 |                 |        |        |        |        |        |        |        |        |        |        |        |                           |

I) For radial bearing only reference (for standard arrangement)  
add 'EX' e.g. OI B 40M EX

For cartridge reference refer to page 32

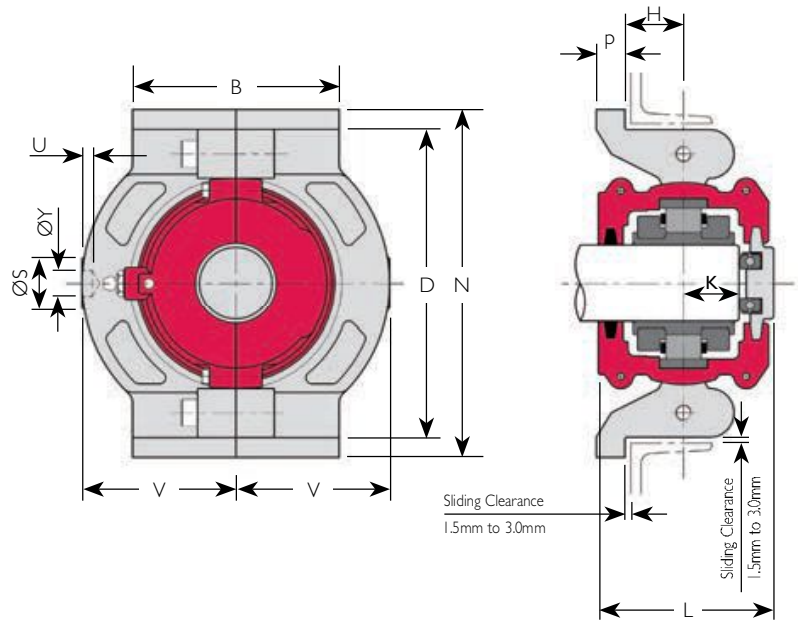


## 01/01E SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft Diameter d | References (I) |               | Take-up housing | B (mm) | N (mm) | D (mm) | V (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|------------------|----------------|---------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                  | Bearing        |               |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 01E 400         | 95mm             | 3 11/16"       | 01E B 95M     | 01E B 311       | 204    | 342    | 305    | 152    | 22     | 43     | 134    | 51     | 19     | 6      | 31                        |
|                 | 100mm            | 3 3/4"         | 01E B 100M    | 01E B 312       |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 105mm            | 3 15/16"       | 01E B 105M    | 01E B 315       |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 4"             | 01E B 105M    | 01E B 400       |        |        |        |        |        |        |        |        |        |        |                           |
| 01 408          | 110mm            | 4 3/16"        | 01 B 110M     | 01 B 403        | 216    | 382    | 343    | 162    | 22     | 48     | 142    | 70     | 19     | 6      | 46                        |
|                 | 115mm            | 4 7/16"        | 01 B 115M     | 01 B 407        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 4 1/2"         |               | 01 B 408        |        |        |        |        |        |        |        |        |        |        |                           |
| 01 500          | 120mm            | 4 15/16"       | 01 B 120M     | 01 B 415        | 254    | 420    | 381    | 190    | 25     | 51     | 156    | 76     | 19     | 6      | 65                        |
|                 | 125mm            | 5"             | 01 B 125M     | 01 B 500        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 130mm            |                | 01 B 130M     |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 01 508          | 135mm            | 5 3/16"        | 01 B 135M     | 01 B 503        | 266    | 438    | 400    | 196    | 25     | 54     | 168    | 76     | 23     | 8      | 80                        |
|                 | 140mm            | 5 7/16"        | 01 B 140M     | 01 B 507        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 5 1/2"         |               | 01 B 508        |        |        |        |        |        |        |        |        |        |        |                           |
| 01 600          | 150mm            | 5 15/16"       | 01 B 150M     | 01 B 515        | 266    | 464    | 426    | 204    | 25     | 57     | 174    | 86     | 23     | 8      | 91                        |
|                 | 160mm            | 6"             | 01 B 600-160M | 01 B 600        |        |        |        |        |        |        |        |        |        |        |                           |

I) For radial bearing only reference (for standard arrangement)  
add 'GR' e.g. 01E B 100M GR  
Ball thrust bearings are usually supplied complete with

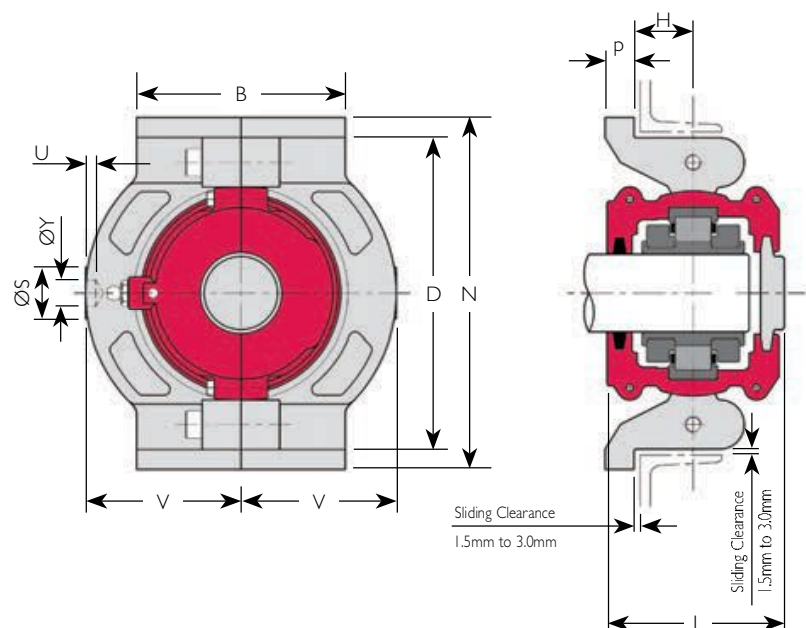
blanking plate. Refer to page 12  
For cartridge reference refer to page 32



## 02 SERIES UP TO 90mm BORE SIZE

| Group Reference | Shaft Diameter d | Reference (I) |                            |                   |      | B (mm) | N (mm) | D (mm) | V (mm) | K (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|------------------|---------------|----------------------------|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                  | Bearing       |                            | Take-up housing   |      |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 200          | 50mm             | 1 15/16" 2"   | 02 B 50M                   | 02 B 115 02 B 200 | TP03 | 128    | 235    | 203    | 102    | 35     | 20     | 32     | 114    | 38     | 16     | 6      | 12                        |
| 02 208          | 60mm             | 2 3/16"       | 02 B 60M 02 B 65M          | 02 B 203          | TP04 | 152    | 266    | 229    | 114    | 38     | 22     | 40     | 126    | 41     | 16     | 6      | 17                        |
|                 | 2 1/4"           | 02 B 204      |                            |                   |      |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 65mm             | 2 7/16"       |                            | 02 B 207          |      |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 300          | 70mm             | 2 11/16"      | 02 B 70M 02 B 75M          | 02 B 211          | TP05 | 190    | 318    | 280    | 140    | 41     | 22     | 40     | 140    | 51     | 16     | 6      | 27                        |
|                 | 2 3/4"           | 02 B 212      |                            |                   |      |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 75mm             | 2 15/16" 3"   |                            | 02 B 215 02 B 300 |      |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 308          | 80mm             | 3 3/16"       | 02 B 80M 02 B 85M 02 B 90M | 02 B 303          | TP06 | 204    | 342    | 305    | 152    | 48     | 22     | 43     | 154    | 51     | 19     | 6      | 31                        |
|                 | 85mm             | 3 1/4"        |                            | 02 B 304          |      |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 90mm             | 3 7/16"       |                            | 02 B 307          |      |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 3 1/2"        |                            | 02 B 308          |      |        |        |        |        |        |        |        |        |        |        |        |                           |

- I) For radial bearing only reference (for standard arrangement)  
add 'EX' e.g. 02 B 50M EX  
For cartridge reference refer to page 38

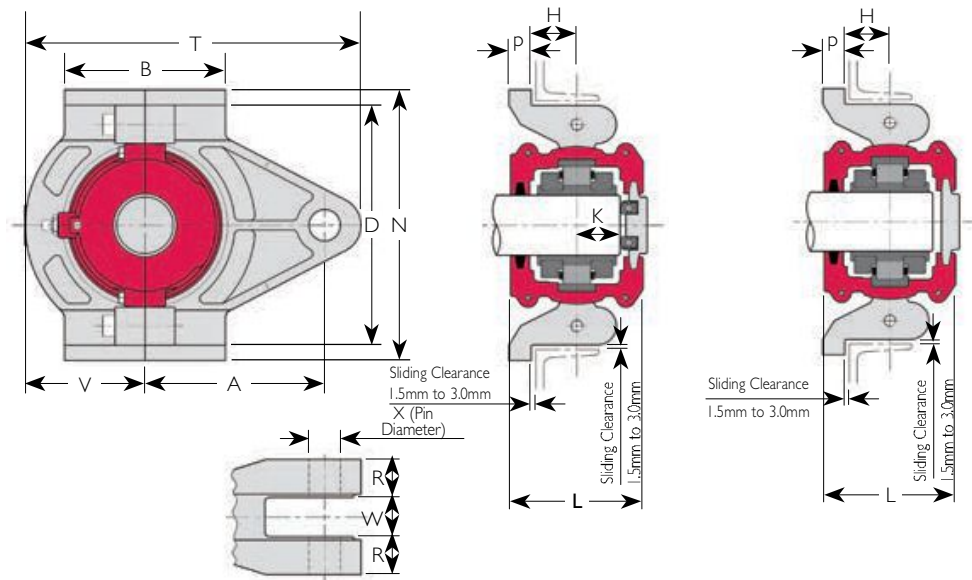


## 02 SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft Diameter d | References (1) |          | Take-up housing | B (mm) | N (mm) | D (mm) | V (mm) | P (mm) | H (mm) | L (mm) | S (mm) | Y (mm) | U (mm) | Mass (Complete unit) (kg) |
|-----------------|------------------|----------------|----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                  | Bearing        |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 02 400          | 3 11/16"         |                | 02 B 311 | TP07            | 216    | 382    | 343    | 162    | 22     | 48     | 146    | 70     | 19     | 6      | 46                        |
|                 | 100mm            | 02 B 100M      | 02 B 312 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 105mm            | 02 B 105M      | 02 B 315 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 4"               |                | 02 B 400 |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 02 408          | 4 3/16"          | 02 B 110M      | 02 B 403 | TP08            | 254    | 420    | 381    | 190    | 25     | 51     | 162    | 76     | 19     | 6      | 65                        |
|                 | 110mm            | 02 B 115M      | 02 B 407 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 115mm            |                | 02 B 408 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 4 1/2"           |                |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 02 500          | 4 15/16"         | 02 B 120M      | 02 B 415 | TP10            | 266    | 464    | 426    | 204    | 25     | 57     | 184    | 86     | 23     | 8      | 91                        |
|                 | 120mm            | 02 B 125M      | 02 B 500 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 125mm            | 02 B 130M      |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 130mm            |                |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 02 508          | 5 3/16"          | 02 B 140M      | 02 B 503 | TP09            | 266    | 438    | 400    | 196    | 25     | 54     | 168    | 76     | 23     | 8      | 109                       |
|                 | 140mm            | 02 B 145M      | 02 B 507 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 145mm            |                | 02 B 508 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 5 1/2"           |                |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
| 02 600          | 5 15/16"         | 02 B 150M      | 02 B 515 | TP31            | 305    | 528    | 489    | 235    | 25     | 64     | 204    | 92     | 26     | 10     | 109                       |
|                 | 150mm            | 02 B 155M      | 02 B 600 |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 155mm            |                |          |                 |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 160mm            | 02 B 600-160M  |          |                 |        |        |        |        |        |        |        |        |        |        |                           |

1) For radial bearing only reference (for standard arrangement)  
add 'GR' e.g. 02 B 100M GR

For cartridge reference refer to pages 38 and 40



## I00 SERIES UP TO 90mm BORE SIZE

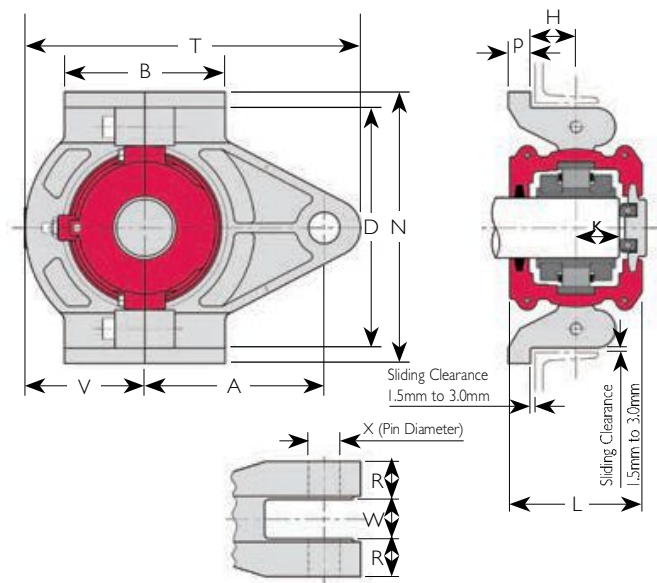
| Group<br>Reference | Shaft Diameter<br>d | References (1) |                    |                        |           |           |           |           |           |           |           |           |           |           |           | Mass<br>(Complete unit) (kg) |           |     |    |
|--------------------|---------------------|----------------|--------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------------|-----------|-----|----|
|                    |                     | Bearing        | Take-up<br>housing | B<br>(mm)              | N<br>(mm) | D<br>(mm) | A<br>(mm) | T<br>(mm) | X<br>(mm) | V<br>(mm) | K<br>(mm) | P<br>(mm) | H<br>(mm) | W<br>(mm) | R<br>(mm) |                              | L<br>(mm) |     |    |
| 100 300            | 75mm                | 2 15/16"<br>3" | 100 B 75M          | 100 B 215<br>100 B 300 | TT03      | 128       | 235       | 203       | 146       | 280       | 24        | 102       | 30        | 20        | 32        | 30                           | 29        | 104 | 13 |
| 100 307            | 85mm                | 3 7/16"        | 100 B 85M          | 100 B 307              | TT04      | 152       | 266       | 229       | 158       | 305       | 24        | 114       | 35        | 22        | 40        | 30                           | 32        | 114 | 19 |

## I00 SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft Diameter<br>d     | References (2)    |                                        |                        |      | Take-up housing | B<br>(mm) | N<br>(mm) | D<br>(mm) | A<br>(mm) | T<br>(mm) | X<br>(mm) | V<br>(mm) | P<br>(mm) | H<br>(mm) | W<br>(mm) | R<br>(mm) | L<br>(mm) | Mass<br>(Complete unit) (kg) |
|-----------------|-------------------------|-------------------|----------------------------------------|------------------------|------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------------|
|                 |                         | Bearing           |                                        |                        |      |                 |           |           |           |           |           |           |           |           |           |           |           |           |                              |
| I00 400         | 100mm                   | 3 15/16"<br>4"    | 100 B 100M                             | 100 B 315<br>100 B 400 | TT05 | 190             | 318       | 280       | 190       | 368       | 30        | 140       | 22        | 40        | 38        | 35        | 136       | 29        |                              |
| I00 408         | 110mm<br>115mm          | 4 7/16"<br>4 1/2" | 100 B 110M<br>100 B 115M               | 100 B 407<br>100 B 408 | TT06 | 204             | 342       | 305       | 210       | 414       | 36        | 152       | 22        | 43        | 44        | 35        | 134       | 33        |                              |
| I00 500         | 120mm<br>125mm<br>130mm | 4 15/16"<br>5"    | 100 B 120M<br>100 B 125M<br>100 B 130M | 100 B 415<br>100 B 500 | TT07 | 216             | 382       | 343       | 228       | 445       | 42        | 162       | 22        | 48        | 44        | 41        | 142       | 47        |                              |
| I00 508         | 140mm                   | 5 7/16"<br>5 1/2" | 100 B 140M                             | 100 B 507<br>100 B 508 | TT08 | 254             | 420       | 381       | 260       | 508       | 42        | 190       | 25        | 51        | 44        | 44        | 156       | 67        |                              |
| I00 600         | 150mm                   | 5 15/16"<br>6"    | 100 B 150M                             | 100 B 515<br>100 B 600 | TT09 | 266             | 438       | 400       | 266       | 514       | 42        | 196       | 25        | 54        | 44        | 48        | 168       | 82        |                              |

1) For radial bearing only reference (for standard arrangement) add 'EX' e.g. I00 B 75M EX. Ball thrust bearings are usually supplied complete with blanking plate. Refer to page 12  
For cartridge reference refer to page 30

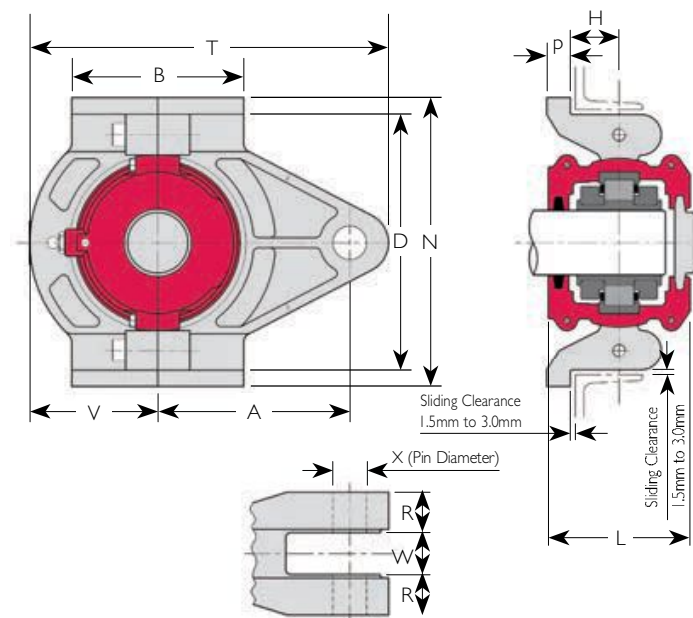
2) For radial bearing only reference (for standard arrangement) add 'GR' e.g. I00 B 100M GR  
For cartridge reference refer to page 30



## 01/01E SERIES UP TO 90mm BORE SIZE

| Group Reference | Shaft Diameter d | References (1) |           | Take-up housing | B (mm) | N (mm) | D (mm) | A (mm) | T (mm) | X (mm) | V (mm) | K (mm) | P (mm) | H (mm) | W (mm) | R (mm) | L (mm) | Mass (Complete unit) (kg) |
|-----------------|------------------|----------------|-----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
|                 |                  | Bearing        |           |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 01 I08          | 35mm             | 1 3/16"        | 01 B 103  | TT01            | 102    | 172    | 153    | 114    | 216    | 20     | 76     | 27     | 14     | 29     | 25     | 24     | 86     | 7                         |
|                 | 40mm             | 1 1/4"         | 01 B 104  |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 1 7/16"        | 01 B 107  |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 1 1/2"         | 01 B 108  |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 01E 200         | 45mm             | 1 11/16"       | 01E B 111 | TT02            | 114    | 204    | 178    | 128    | 242    | 24     | 88     | 29     | 16     | 29     | 25     | 25     | 98     | 10                        |
|                 | 50mm             | 1 3/4"         | 01E B 112 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 1 15/16"       | 01E B 115 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 2"             | 01E B 200 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 01E 208         | 55mm             | 2 3/16"        | 01E B 203 | TT03            | 128    | 235    | 203    | 146    | 280    | 24     | 102    | 30     | 20     | 32     | 30     | 29     | 104    | 13                        |
|                 | 60mm             | 2 1/4"         | 01E B 204 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 2 7/16"        | 01E B 207 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 65mm             | 2 1/2"         | 01E B 208 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 01E 300         | 70mm             | 2 11/16"       | 01E B 211 | TT04            | 152    | 266    | 229    | 158    | 305    | 24     | 114    | 35     | 22     | 40     | 30     | 32     | 114    | 19                        |
|                 | 75mm             | 2 3/4"         | 01E B 212 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 2 15/16"       | 01E B 215 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 3"             | 01E B 300 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 01E 308         | 80mm             | 3 3/16"        | 01E B 303 | TT05            | 190    | 318    | 280    | 190    | 368    | 30     | 140    | 40     | 22     | 40     | 38     | 35     | 136    | 30                        |
|                 | 85mm             | 3 1/4"         | 01E B 304 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 |                  | 3 7/16"        | 01E B 307 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 90mm             | 3 1/2"         | 01E B 308 |                 |        |        |        |        |        |        |        |        |        |        |        |        |        |                           |

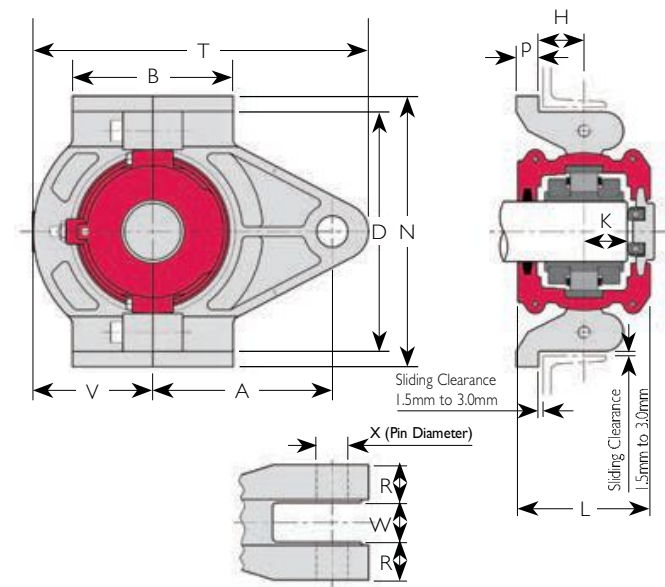
- 1) For radial bearing only reference (for standard arrangement)  
 add 'EX' e.g. 01 B 40M EX  
 Ball thrust bearings are usually supplied complete with  
 blanking plate. Refer to page 12  
 For cartridge reference refer to page 32



## 01/01E SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft | Diameter d | Reference (1) |           |      | Take-up housing | B (mm) | N (mm) | D (mm) | A (mm) | T (mm) | X (mm) | V (mm) | P (mm) | H (mm) | W (mm) | R (mm) | L (mm) | Mass                 |
|-----------------|-------|------------|---------------|-----------|------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------|
|                 |       |            | Bearing       |           |      |                 |        |        |        |        |        |        |        |        |        |        |        |        | (Complete unit) (kg) |
| 01E 400         | 95mm  | 3 11/16"   | 01E B 95M     | 01E B 311 | TT06 | 204             | 342    | 305    | 210    | 414    | 36     | 152    | 22     | 43     | 44     | 35     | 134    | 34     |                      |
|                 | 100mm | 3 3/4"     | 01E B 100M    | 01E B 312 |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|                 | 105mm | 3 15/16"   | 01E B 105M    | 01E B 315 |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|                 |       | 4"         |               | 01E B 400 |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| 01 408          | 110mm | 4 3/16"    | 01 B 110M     | 01 B 403  | TT07 | 216             | 382    | 343    | 228    | 445    | 42     | 162    | 22     | 48     | 44     | 41     | 142    | 51     |                      |
|                 | 115mm | 4 7/16"    | 01 B 115M     | 01 B 407  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|                 |       | 4 1/2"     |               | 01 B 408  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| 01 500          | 120mm | 4 15/16"   | 01 B 120M     | 01 B 415  | TT08 | 254             | 420    | 381    | 260    | 508    | 42     | 190    | 25     | 51     | 44     | 44     | 156    | 71     |                      |
|                 | 125mm | 5"         | 01 B 125M     | 01 B 500  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|                 | 130mm |            | 01 B 130M     |           |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| 01 508          | 135mm | 5 3/16"    | 01 B 135M     | 01 B 503  | TT09 | 266             | 438    | 400    | 266    | 514    | 42     | 196    | 25     | 54     | 44     | 48     | 168    | 89     |                      |
|                 | 140mm | 5 7/16"    | 01 B 140M     | 01 B 507  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
|                 |       | 5 1/2"     |               | 01 B 508  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |
| 01 600          | 150mm | 5 15/16"   | 01 B 150M     | 01 B 515  | TT10 | 266             | 464    | 426    | 280    | 546    | 48     | 204    | 25     | 57     | 50     | 51     | 174    | 100    |                      |
|                 | 160mm | 6"         | 01 B 600-160M | 01 B 600  |      |                 |        |        |        |        |        |        |        |        |        |        |        |        |                      |

1) For radial bearing only reference (for standard arrangement)  
add 'GR' e.g. 01E B 100M GR  
For cartridge reference refer to page 32



## 02 SERIES UP TO 90mm BORE SIZE

| Group Reference | Shaft Diameter | References (I)  |                   |                   |        |        |        |        |        |        |        |        |        |        |        |        |    | Mass (Complete unit) (kg) |    |
|-----------------|----------------|-----------------|-------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|---------------------------|----|
|                 |                | Bearing         | Take-up housing   | B (mm)            | N (mm) | D (mm) | A (mm) | T (mm) | X (mm) | V (mm) | K (mm) | P (mm) | H (mm) | W (mm) | R (mm) | L (mm) |    |                           |    |
| 02 200          | 50mm           | 1 15/16" 2"     | 02 B 50M          | 02 B 115 02 B 200 | TT03   | 128    | 235    | 203    | 146    | 280    | 24     | 102    | 35     | 20     | 32     | 30     | 29 | 114                       | 13 |
| 02 208          | 60mm           | 2 3/16" 2 1/4"  | 02 B 60M          | 02 B 203 02 B 204 | TT04   | 152    | 266    | 229    | 158    | 305    | 24     | 114    | 38     | 22     | 40     | 30     | 32 | 126                       | 19 |
|                 | 65mm           | 2 7/16" 2 1/2"  | 02 B 65M          | 02 B 207 02 B 208 |        |        |        |        |        |        |        |        |        |        |        |        |    |                           |    |
| 02 300          | 70mm           | 2 11/16" 2 3/4" | 02 B 70M          | 02 B 211 02 B 212 | TT05   | 190    | 318    | 280    | 190    | 368    | 30     | 140    | 41     | 22     | 40     | 38     | 35 | 140                       | 30 |
|                 | 75mm           | 2 15/16" 3"     | 02 B 75M          | 02 B 215 02 B 300 |        |        |        |        |        |        |        |        |        |        |        |        |    |                           |    |
| 02 308          | 80mm           | 3 3/16" 3 1/4"  | 02 B 80M          | 02 B 303 02 B 304 | TT06   | 204    | 342    | 305    | 210    | 414    | 36     | 152    | 48     | 22     | 43     | 44     | 35 | 154                       | 34 |
|                 | 85mm 90mm      | 3 7/16" 3 1/2"  | 02 B 85M 02 B 90M | 02 B 307 02 B 308 |        |        |        |        |        |        |        |        |        |        |        |        |    |                           |    |

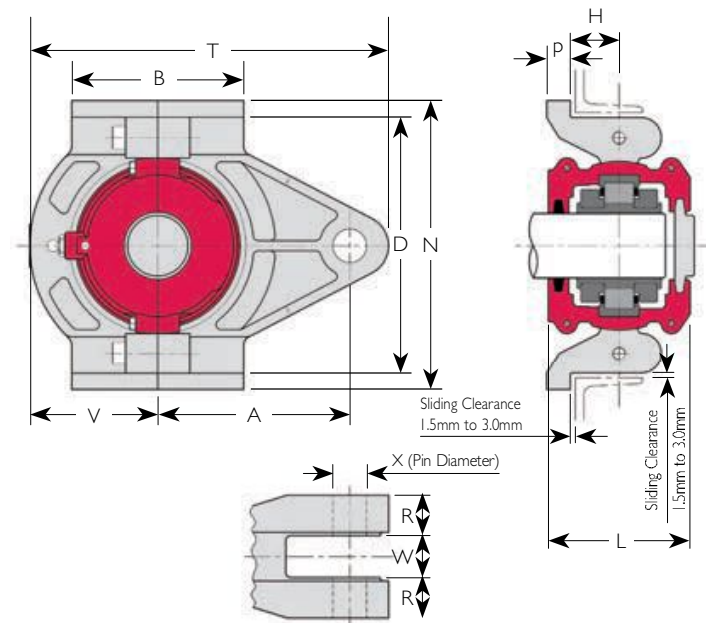
I) For radial bearing only reference (for standard arrangement)

add 'EX' e.g. 02 B 50M EX

Ball thrust bearings are usually supplied complete with

blanking plate. Refer to page 12

For cartridge reference refer to page 32



## 02 SERIES OVER 90mm BORE SIZE

| Group Reference | Shaft Diameter d | References (1) |          | Take-up housing | B (mm) | N (mm) | D (mm) | A (mm) | T (mm) | X (mm) | V (mm) | P (mm) | H (mm) | W (mm) | R (mm) | L (mm) | Mass (Complete unit) (kg) |
|-----------------|------------------|----------------|----------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------|
| 02 400          | 3 11/16"         |                | 02 B 311 | TT07            | 216    | 382    | 343    | 228    | 445    | 42     | 162    | 22     | 48     | 44     | 41     | 146    | 51                        |
|                 | 100mm            | 02 B 100M      | 02 B 312 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 105mm            | 02 B 105M      | 02 B 315 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 3 15/16"         |                | 02 B 400 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 408          | 4 3/16"          | 02 B 110M      | 02 B 403 | TT08            | 254    | 420    | 381    | 260    | 508    | 42     | 190    | 25     | 51     | 44     | 44     | 162    | 71                        |
|                 | 110mm            | 02 B 115M      | 02 B 407 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 115mm            |                | 02 B 408 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 500          | 4 15/16"         | 02 B 120M      | 02 B 415 | TT10            | 266    | 464    | 426    | 280    | 546    | 48     | 204    | 25     | 57     | 50     | 51     | 184    | 100                       |
|                 | 120mm            | 02 B 125M      | 02 B 500 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 125mm            | 02 B 130M      |          |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 508          | 5 3/16"          | 02 B 140M      | 02 B 503 | TT30            | 280    | 502    | 464    | 298    | 584    | 48     | 222    | 25     | 60     | 50     | 54     | 188    | 119                       |
|                 | 140mm            | 02 B 145M      | 02 B 507 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 145mm            |                | 02 B 508 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
| 02 600          | 5 15/16"         | 02 B 150M      | 02 B 515 | TT31            | 305    | 528    | 489    | 312    | 616    | 48     | 235    | 25     | 64     | 50     | 57     | 204    | 141                       |
|                 | 150mm            | 02 B 155M      | 02 B 600 |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 155mm            | 02 B 600-160M  |          |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |
|                 | 160mm            |                |          |                 |        |        |        |        |        |        |        |        |        |        |        |        |                           |

1) For radial bearing only reference (for standard arrangement)  
 add 'GR' e.g. 02 B 100M GR  
 For cartridge reference refer to pages 38 and 40