## Accessory Selection

Accessories for the rod end of a cylinder are selected by reference to the rod end thread, while the same accessories, when used at the cap end, are selected by cylinder bore size. See tables of part numbers below, and on the following pages.

## Rod and Cap End Accessories

Accessories for the ISO 6020-2 cylinder include:

**Rod End**
- rod clevis, eye bracket and pivot pin
- plain rod eye, clevis bracket and pivot pin
- rod eye with spherical bearing

**Cap End**
- eye bracket for cap clevis mounting
- clevis bracket for cap eye mounting
- pivot pin for eye bracket and clevis bracket

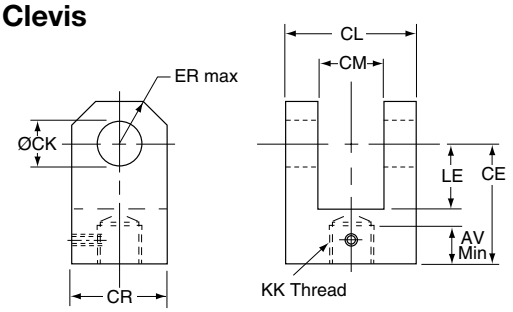
## Rod Clevis, Eye Bracket and Pivot Pin

| KK Thread | Rod Clevis | Eye Bracket | Pivot Pin | Nominal Force kN | Weight kg |
|---|---|---|---|---|---|
| M10x1.25 | 1434470000 | 1448080000 | 1434770000 | 8 | 0.3 |
| M12x1.25 | 1434480000 | 1448090000 | 1434780000 | 12.5 | 0.6 |
| M14x1.5 | 1434490000 | 1448100000 | 1434790000 | 20 | 0.8 |
| M16x1.5 | 1434500000 | 1448110000 | 1434800000 | 32 | 2.2 |
| M20x1.5 | 1434510000 | 1448120000 | 1434800000 | 50 | 2.7 |
| M27x2 | 1434520000 | 1448130000 | 1434810000 | 80 | 5.9 |
| M33x2 | 1434530000 | 1448140000 | 1434820000 | 125 | 9.4 |
| M42x2 | 1434540000 | 1448150000 | 1434830000 | 200 | 17.8 |
| M48x2 | 1434550000 | 1448160000 | 1434840000 | 320 | 26.8 |
| M64x3 | 1434560000 | 1448170000 | 1434850000 | 500 | 39.0 |

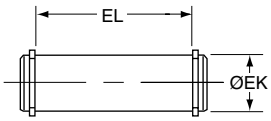
## Rod Clevis Dimensions

| Part No. | AV | CE | CK Ø H9 | CL | CM A16 | CR | ER | KK Thread | LE | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 1434470000 | 17 | 32 | 10 | 25 | 12 | 20 | 12 | M10x1.25 | 14 | 0.08 |
| 1434480000 | 16 | 36 | 12 | 32 | 16 | 32 | 17 | M12x1.25 | 19 | 0.25 |
| 1434490000 | 18 | 38 | 14 | 40 | 20 | 30 | 17 | M14x1.5 | 19 | 0.32 |
| 1434500000 | 22 | 54 | 20 | 60 | 30 | 50 | 29 | M16x1.5 | 32 | 1.0 |
| 1434510000 | 28 | 60 | 20 | 60 | 30 | 50 | 29 | M20x1.5 | 32 | 1.1 |
| 1434520000 | 36 | 75 | 28 | 83 | 40 | 61 | 34 | M27x2 | 39 | 2.3 |
| 1434530000 | 45 | 99 | 36 | 103 | 50 | 76 | 50 | M33x2 | 54 | 2.6 |
| 1434540000 | 56 | 113 | 45 | 123 | 60 | 102 | 53 | M42x2 | 57 | 5.5 |
| 1434550000 | 63 | 126 | 56 | 143 | 70 | 112 | 59 | M48x2 | 63 | 7.6 |
| 1434560000 | 85 | 168 | 70 | 163 | 80 | 146 | 78 | M64x3 | 83 | 13.0 |

## Rod Clevis




## Pivot Pin for Clevis Bracket and Plain Rod Eye – Dimensions




| Part No. | EK Ø f8 | EL | Weight kg |
|---|---|---|---|
| 1434770000 | 10 | 29 | 0.02 |
| 1434780000 | 12 | 37 | 0.05 |
| 1434790000 | 14 | 45 | 0.08 |
| 1434800000 | 20 | 66 | 0.2 |
| 1434810000 | 28 | 87 | 0.4 |
| 1434820000 | 36 | 107 | 1.0 |
| 1434830000 | 45 | 129 | 1.8 |
| 1434840000 | 56 | 149 | 4.2 |
| 1434850000 | 70 | 169 | 6.0 |

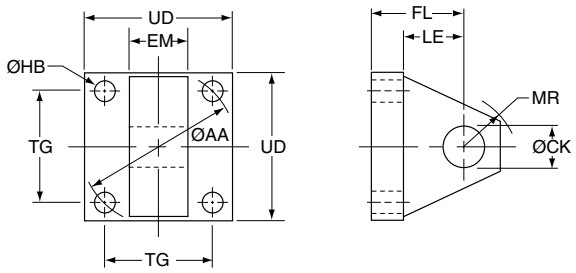
## Eye Bracket – for Cap Clevis Mount

| Bore Ø | Eye Bracket | Nominal Force kN | Weight kg |
|---|---|---|---|
| 25 | 1448080000 | 8 | 0.2 |
| 32 | 1448090000 | 12.5 | 0.3 |
| 40 | 1448100000 | 20 | 0.4 |
| 50 | 1448110000 | 32 | 1.0 |
| 63 | 1448120000 | 50 | 1.4 |
| 80 | 1448130000 | 80 | 3.2 |
| 100 | 1448140000 | 125 | 5.6 |
| 125 | 1448150000 | 200 | 10.5 |
| 160 | 1448160000 | 320 | 15.0 |
| 200 | 1448170000 | 500 | 20.0 |

## Eye Bracket Dimensions

| Part No. | CK Ø H9 | EM h13 | FL | MR max | LE min | AA Ø | HB Ø | TG | UD |
|---|---|---|---|---|---|---|---|---|---|
| 1448080000 | 10 | 12 | 23 | 12 | 13 | 40 | 5.5 | 28.3 | 40 |
| 1448090000 | 12 | 16 | 29 | 17 | 19 | 47 | 6.6 | 33.2 | 45 |
| 1448100000 | 14 | 20 | 29 | 17 | 19 | 59 | 9 | 41.7 | 65 |
| 1448110000 | 20 | 30 | 48 | 29 | 32 | 74 | 13.5 | 52.3 | 75 |
| 1448120000 | 20 | 30 | 48 | 29 | 32 | 91 | 13.5 | 64.3 | 90 |
| 1448130000 | 28 | 40 | 59 | 34 | 39 | 117 | 17.5 | 82.7 | 115 |
| 1448140000 | 36 | 50 | 79 | 50 | 54 | 137 | 17.5 | 96.9 | 130 |
| 1448150000 | 45 | 60 | 87 | 53 | 57 | 178 | 26 | 125.9 | 165 |
| 1448160000 | 56 | 70 | 103 | 59 | 63 | 219 | 30 | 154.9 | 205 |
| 1448170000 | 70 | 80 | 132 | 78 | 82 | 269 | 33 | 190.2 | 240 |

## Eye Bracket




All dimensions are in millimeters unless otherwise stated.

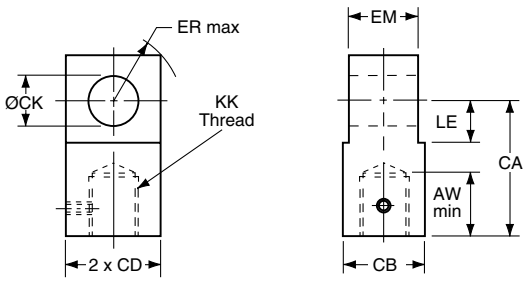
## Plain Rod Eye, Clevis Bracket and Pivot Pin

| KK Thread | Plain Rod Eye | Clevis Bracket | Pivot Pin | Nominal Force kN | Weight kg |
|---|---|---|---|---|---|
| M10x1.25 | 1434570000 | 1436460000 | 1434770000 | 8 | 0.5 |
| M12x1.25 | 1434580000 | 1436470000 | 1434780000 | 12.5 | 1.0 |
| M14x1.5 | 1434590000 | 1436480000 | 1434790000 | 20 | 1.3 |
| M16x1.5 | 1434600000 | 1436490000 | 1434800000 | 32 | 3.2 |
| M20x1.5 | 1434610000 | 1436490000 | 1434800000 | 50 | 3.8 |
| M27x2 | 1434620000 | 1436500000 | 1434810000 | 80 | 6.9 |
| M33x2 | 1434630000 | 1436510000 | 1434820000 | 125 | 12.5 |
| M42x2 | 1434640000 | 1436520000 | 1434830000 | 200 | 26.0 |
| M48x2 | 1434650000 | 1436530000 | 1434840000 | 320 | 47.0 |
| M64x3 | 1434660000 | 1436540000 | 1434850000 | 500 | 64.0 |

## Plain Rod Eye / Knuckle Dimensions

| Part No. | AW | CA | CB | CD | CK Ø H9 | EM h13 | ER | KK Thread | LE | Weight kg |
|---|---|---|---|---|---|---|---|---|---|---|
| 1434570000 | 14 | 32 | 18 | 9 | 10 | 12 | 12 | M10x1.25 | 13 | 0.08 |
| 1434580000 | 16 | 36 | 22 | 11 | 12 | 16 | 17 | M12x1.25 | 19 | 0.15 |
| 1434590000 | 18 | 38 | 20 | 12.5 | 14 | 20 | 17 | M14x1.5 | 19 | 0.22 |
| 1434600000 | 22 | 54 | 30 | 17.5 | 20 | 30 | 29 | M16x1.5 | 32 | 0.5 |
| 1434610000 | 28 | 60 | 30 | 20 | 20 | 30 | 29 | M20x1.5 | 32 | 1.1 |
| 1434620000 | 36 | 75 | 40 | 25 | 28 | 40 | 34 | M27x2 | 39 | 1.5 |
| 1434630000 | 45 | 99 | 50 | 35 | 36 | 50 | 50 | M33x2 | 54 | 2.5 |
| 1434640000 | 56 | 113 | 65 | 50 | 45 | 60 | 53 | M42x2 | 57 | 4.2 |
| 1434650000 | 63 | 126 | 90 | 56 | 56 | 70 | 59 | M48x2 | 63 | 11.8 |
| 1434660000 | 85 | 168 | 110 | 70 | 70 | 80 | 78 | M64x3 | 83 | 17.0 |

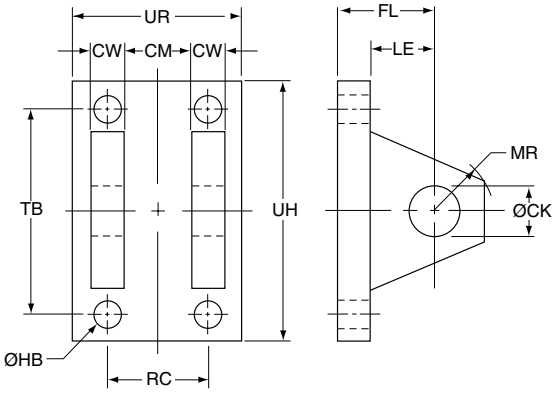
## Plain Rod Eye / Knuckle




## Clevis Bracket Dimensions

| Part No. | CK Ø H9 | CM A16 | CW | FL | MR max | HB | LE min | RC | TB | UR | UH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1436460000 | 10 | 12 | 6 | 23 | 12 | 5.5 | 13 | 18 | 47 | 35 | 60 |
| 1436470000 | 12 | 16 | 8 | 29 | 17 | 6.6 | 19 | 24 | 57 | 45 | 70 |
| 1436480000 | 14 | 20 | 10 | 29 | 17 | 9 | 19 | 30 | 68 | 55 | 85 |
| 1436490000 | 20 | 30 | 15 | 48 | 29 | 13.5 | 32 | 45 | 102 | 80 | 125 |
| 1436500000 | 28 | 40 | 20 | 59 | 34 | 17.5 | 39 | 60 | 135 | 100 | 170 |
| 1436510000 | 36 | 50 | 25 | 79 | 50 | 17.5 | 54 | 75 | 167 | 130 | 200 |
| 1436520000 | 45 | 60 | 30 | 87 | 53 | 26 | 57 | 90 | 183 | 150 | 230 |
| 1436530000 | 56 | 70 | 35 | 103 | 59 | 30 | 63 | 105 | 242 | 180 | 300 |
| 1436540000 | 70 | 80 | 40 | 132 | 78 | 33 | 82 | 120 | 300 | 200 | 360 |

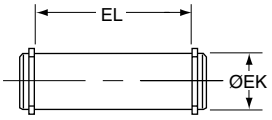
## Clevis Bracket




## Clevis Bracket – for Cap Eye Mount

| Bore Ø | Part No. | Nominal Force kN | Weight kg |
|---|---|---|---|
| 25 | 1436460000 | 8 | 0.4 |
| 32 | 1436470000 | 12.5 | 0.8 |
| 40 | 1436480000 | 20 | 1.0 |
| 50 | 1436490000 | 32 | 2.5 |
| 63 | 1436490000 | 50 | 2.5 |
| 80 | 1436500000 | 80 | 5.0 |
| 100 | 1436510000 | 125 | 9.0 |
| 125 | 1436520000 | 200 | 20.0 |
| 160 | 1436530000 | 320 | 31.0 |
| 200 | 1436540000 | 500 | 41.0 |

## Pivot Pin for Clevis Bracket and Plain Rod Eye – Dimensions

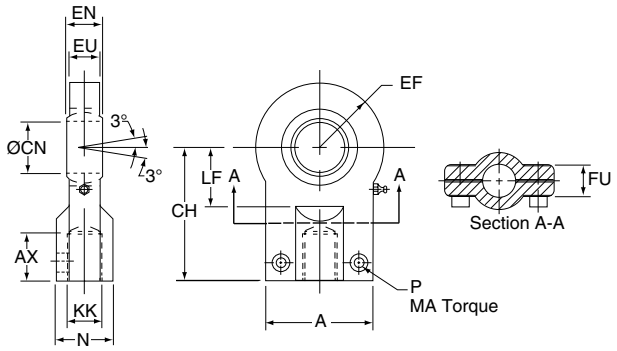



All dimensions are in millimeters unless otherwise stated.

| Part No. | EK Ø f8 | EL | Weight kg |
|---|---|---|---|
| 1434770000 | 10 | 29 | 0.02 |
| 1434780000 | 12 | 37 | 0.05 |
| 1434790000 | 14 | 45 | 0.08 |
| 1434800000 | 20 | 66 | 0.2 |
| 1434810000 | 28 | 87 | 0.4 |
| 1434820000 | 36 | 107 | 1.0 |
| 1434830000 | 45 | 129 | 1.8 |
| 1434840000 | 56 | 149 | 4.2 |
| 1434850000 | 70 | 169 | 6.0 |

## Rod Eye with Spherical Bearing, Mounting Bracket and Pivot Pin

| KK Thread | Rod Eye with Spherical Bearing | Mounting Bracket and Pivot Pin | Nominal Force kN | Weight kg |
|---|---|---|---|---|
| M10x1.25 | 1452540000 | 1455300000 | 8 | 0.2 |
| M12x1.25 | 1452550000 | 1455310000 | 12.5 | 0.3 |
| M14x1.5 | 1452560000 | 1455320000 | 20 | 0.4 |
| M16x1.5 | 1452570000 | 1455330000 | 32 | 0.7 |
| M20x1.5 | 1452580000 | 1455340000 | 50 | 1.3 |
| M27x2 | 1452590000 | 1455350000 | 80 | 2.3 |
| M33x2 | 1452600000 | 1455360000 | 125 | 4.4 |
| M42x2 | 1452610000 | 1455370000 | 200 | 8.4 |
| M48x2 | 1452620000 | 1455380000 | 320 | 15.6 |
| M64x3 | 1452630000 | 1455390000 | 500 | 28.0 |




## Rod Eye with Spherical Bearing

All spherical bearings should be re-packed with grease when servicing. In unusual or severe working conditions, consult the factory regarding the suitability of the bearing chosen.

## Rod Eye with Spherical Bearing Dimensions

| Part No. | A max | AX min | EF max | CH | CN Ø | EN | EU | FU | KK Thread | LF min | N max | MA max Nm | P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1452540000 | 40 | 15 | 20 | 42 | 12 -0.008 | 10 -.012 | 8 | 13 | M10x1.25 | 16 | 17 | 10 | M6 |
| 1452550000 | 45 | 17 | 22.5 | 48 | 16 -0.008 | 14 -.012 | 11 | 13 | M12x1.25 | 20 | 21 | 10 | M6 |
| 1452560000 | 55 | 19 | 27.5 | 58 | 20 -0.012 | 16 -.012 | 13 | 17 | M14x1.5 | 25 | 25 | 25 | M8 |
| 1452570000 | 62 | 23 | 32.5 | 68 | 25 -0.012 | 20 -.012 | 17 | 17 | M16x1.5 | 30 | 30 | 25 | M8 |
| 1452580000 | 80 | 29 | 40 | 85 | 30 -0.012 | 22 -.012 | 19 | 19 | M20x1.5 | 35 | 36 | 45 | M10 |
| 1452590000 | 90 | 37 | 50 | 105 | 40 -0.012 | 28 -.012 | 23 | 23 | M27x2 | 45 | 45 | 45 | M10 |
| 1452600000 | 105 | 46 | 62.5 | 130 | 50 -0.012 | 35 -.012 | 30 | 30 | M33x2 | 58 | 55 | 80 | M12 |
| 1452610000 | 134 | 57 | 80 | 150 | 60 -0.015 | 44 -.015 | 38 | 38 | M42x2 | 68 | 68 | 160 | M16 |
| 1452620000 | 156 | 64 | 102.5 | 185 | 80 -0.015 | 55 -.015 | 47 | 47 | M48x2 | 92 | 90 | 310 | M20 |
| 1452630000 | 190 | 86 | 120 | 240 | 100 -0.020 | 70 -.020 | 57 | 57 | M64x3 | 116 | 110 | 530 | M24 |

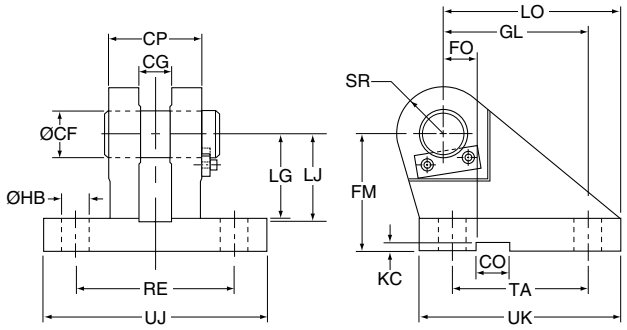
## Mounting Bracket and Pivot Pin Dimensions

| Part No. | CF Ø K7/h6 | CG +0.1, +0.3 | CO N9 | CP | FM js11 | FO js14 | GL js13 | HB Ø | KC 0, +0.30 | LG | LJ | LO | RE js13 | SR max | TA js13 | UJ | UK |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1455300000 | 12 | 10 | 10 | 30 | 40 | 16 | 46 | 9 | 3.3 | 28 | 29 | 56 | 55 | 12 | 40 | 75 | 60 |
| 1455310000 | 16 | 14 | 16 | 40 | 50 | 18 | 61 | 11 | 4.3 | 37 | 38 | 74 | 70 | 16 | 55 | 95 | 80 |
| 1455320000 | 20 | 16 | 16 | 50 | 55 | 20 | 64 | 14 | 4.3 | 39 | 40 | 80 | 85 | 20 | 58 | 120 | 90 |
| 1455330000 | 25 | 20 | 25 | 60 | 65 | 22 | 78 | 16 | 5.4 | 48 | 49 | 98 | 100 | 25 | 70 | 140 | 110 |
| 1455340000 | 30 | 22 | 25 | 70 | 85 | 24 | 97 | 18 | 5.4 | 62 | 63 | 120 | 115 | 30 | 90 | 160 | 135 |
| 1455350000 | 40 | 28 | 36 | 80 | 100 | 24 | 123 | 22 | 8.4 | 72 | 73 | 148 | 135 | 40 | 120 | 190 | 170 |
| 1455360000 | 50 | 35 | 36 | 100 | 125 | 35 | 155 | 30 | 8.4 | 90 | 92 | 190 | 170 | 50 | 145 | 240 | 215 |
| 1455370000 | 60 | 44 | 50 | 120 | 150 | 35 | 187 | 39 | 11.4 | 108 | 110 | 225 | 200 | 60 | 185 | 270 | 260 |
| 1455380000 | 80 | 55 | 50 | 160 | 190 | 35 | 255 | 45 | 11.4 | 140 | 142 | 295 | 240 | 80 | 260 | 320 | 340 |
| 1455390000 | 100 | 70 | 63 | 200 | 210 | 35 | 285 | 48 | 12.4 | 150 | 152 | 335 | 300 | 100 | 300 | 400 | 400 |

## Cap Mounting Bracket and Pivot Pin

| Bore Ø | Mounting Bracket and Pivot Pin | Nominal Force kN | Weight kg |
|---|---|---|---|
| 25 | 1455300000 | 8 | 0.6 |
| 32 | 1455310000 | 12.5 | 1.3 |
| 40 | 1455320000 | 20 | 2.1 |
| 50 | 1455330000 | 32 | 3.2 |
| 63 | 1455340000 | 50 | 6.5 |
| 80 | 1455350000 | 80 | 12.0 |
| 100 | 1455360000 | 125 | 23.0 |
| 125 | 1455370000 | 200 | 37.0 |
| 160 | 1455380000 | 320 | 79.0 |
| 200 | 1455390000 | 500 | 140.0 |

## Mounting Bracket and Pivot Pin




All dimensions are in millimeters unless otherwise stated.