

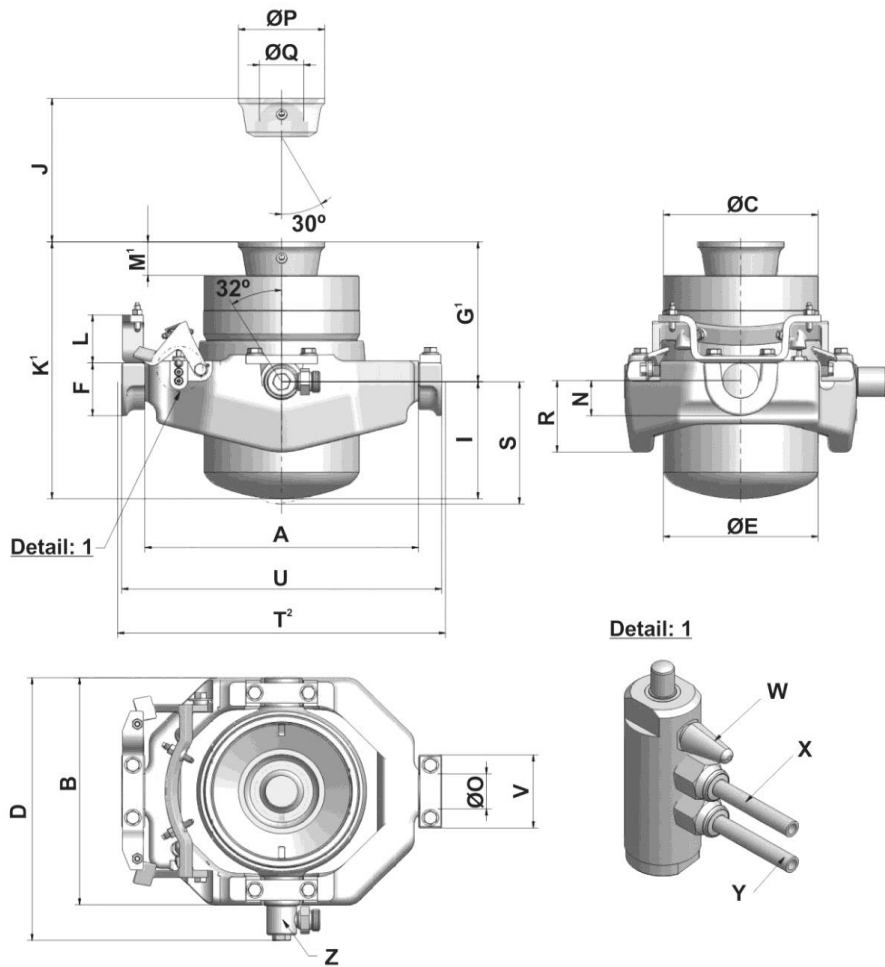
KR-series - Underbody cylinder



KRM 223-7-2120-354-G0334-HC

Item no.
Tipping weight

R68743354
30 ton



| | | |
|----------------|--|----|
| A | 459 | mm |
| B | 388 | mm |
| C | 260 | mm |
| D | 455 | mm |
| E | 260 | mm |
| F | 90 | mm |
| G ¹ | 334 | mm |
| H | | |
| I | 200 | mm |
| J | 2120 | mm |
| K ¹ | 534 | mm |
| L | 82 | mm |
| M ¹ | 65 | mm |
| N | 60 | mm |
| O | 60 | mm |
| P | 145 | mm |
| Q | 75 | mm |
| R | 122 | mm |
| S | 209 | mm |
| T ² | 538 | mm |
| U | 537 | mm |
| V | 125 | mm |
| W | Exhaust | |
| X | To tipping valve "TIP" (connection for pneumatic line 6x1) | |
| Y | From air control (connection for pneumatic line 6x1) | |
| Z | Swivelling pressure connection for tube Ø25 mm | |

- ¹ Including 20 [-5; +30] mm pull out
² Crossbeam distance 538 [-0.5; +1] mm

3D model is available on request

Specifications

| | | | | | | | | | | | |
|--------------------------------|---------|-------------------------------------|----------|--------------------|---------------|-----|-----|-----|---|---|-------|
| Max. working pressure | 300 bar | Max. pump flow (with KO) | 95 L/min | Cradle type | Cradle type 4 | | | | | | |
| Total weight | 246 kg | Max. pump flow (without KO) | 69 L/min | Knock off type | Pneumatic | | | | | | |
| Working volume | 42 L | Resulting tipping time (with KO) | 26 sec | KO: Hyva knock off | | | | | | | |
| Total volume | 45 L | Resulting tipping time (without KO) | 36 sec | | | | | | | | |
| Max. cyl. load (start tipping) | 300 kN | Allowable lowering time | 26 sec | | | | | | | | |
| Extension | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Total |
| Effective diameter [mm] | | 223 | 193 | 167 | 145 | 125 | 107 | 090 | | | |
| Stroke ¹ [mm] | | 294 | 315 | 318 | 308 | 305 | 296 | 287 | | | 2120 |

Technical notes

- This cylinder is a lifting device only. • It should not be used as a structural member and should not be subjected to side loads. • Tipping valve must have a pressure relief at the cylinder port set not higher than max. working pressure. • Maximum angle of rotation during operation is 32 deg. • Working pressure depends on the application, but must never exceed the maximum working pressure stated. • Working temperature range is between -40°C and +80°C. • Max. duration of extension is 0.5 hours (excluded hard chromed stages). • Cylinder is painted black (RAL9005) with a thickness conforming to the 480 hours neutral salt spray test as per ISO 9227 (ISO10289, rating 9).

Related documentation

Bracket options: 015BRA16

Mounting instructions: CYL-0024

Oil specifications: OIL-0011

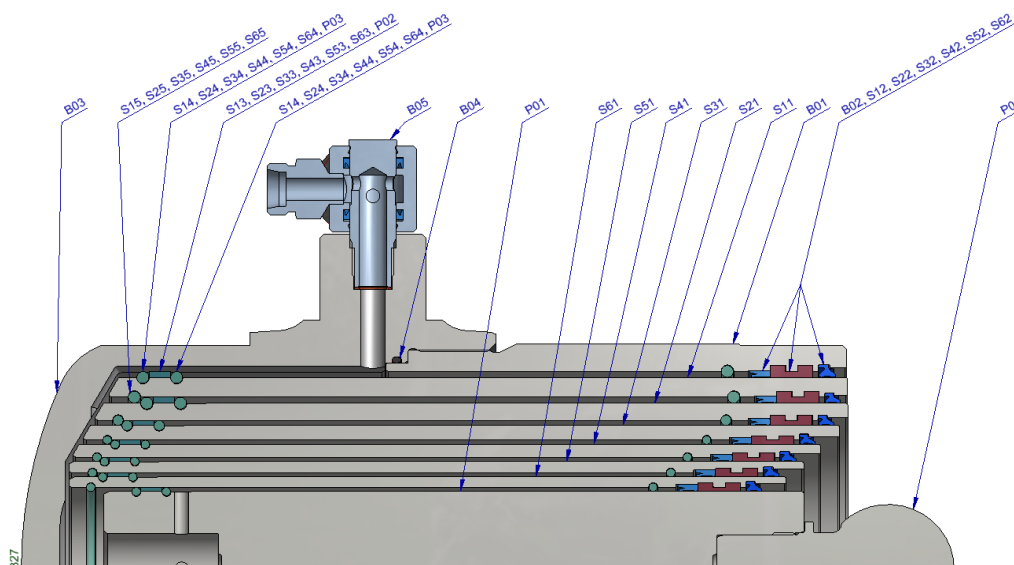
For detailed tipping calculations please refer to: <https://tipper.hyva.com>

KR-series - Underbody cylinder



KRM 223-7-2120-354-G0334-HC

R68743354



| Pos. | Part no. | Description | Qty. |
|------|-------------|---------------------|------|
| P01 | 76033981 | PISTON 090-398-HC | 1 |
| P02 | 75018550 K | SLIDER 90x12 | 1 |
| P03 | G03224655 K | OUTER STOPRING 90x5 | 2 |
| P04 | 75024175 K | SPHERE THREAD Ø75 | 1 |

| | | | |
|-----|-------------|-----------------------|---|
| S41 | 75964251 | STAGE 145-425-K73-HC | 1 |
| S42 | 75412145 K | PACKSET 145 KRA/KRM | 1 |
| S43 | 75018438 K | SLIDER 145x12 | 1 |
| S44 | G00322498 K | OUTER STOPRING 145x5 | 2 |
| S45 | G03224921 K | LIFTRING Ø 130 X 5 MB | 1 |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| | | | |
|-----|-------------|-----------------------|---|
| S31 | 75974301 | STAGE 167-430-K73-HC | 1 |
| S32 | 75412167 K | PACKSET 167 KRA/KRM | 1 |
| S33 | 75018439 K | SLIDER 167x12 | 1 |
| S34 | G03225091 K | OUTER STOPRING 167x6 | 2 |
| S35 | G03224991 K | LIFTRING Ø 150 X 5 MB | 1 |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| | | | |
|-----|-------------|-----------------------|---|
| S21 | 75984281 | STAGE 193-428-K66-HC | 1 |
| S22 | 75412193 K | PACKSET 193 KRA/KRM | 1 |
| S23 | 75018440 K | SLIDER 193x12 | 1 |
| S24 | G03225233 K | OUTER STOPRING 193x7 | 2 |
| S25 | G03225096 K | LIFTRING Ø 173 X 6 MB | 1 |

| | | | |
|-----|-------------|----------------------|---|
| S61 | 75944081 | STAGE 107-408-K73-HC | 1 |
| S62 | 75412107 K | PACKSET 107 KRA/KRM | 1 |
| S63 | 75018549 K | SLIDER 107x12 | 1 |
| S64 | G00322477 K | OUTER STOPRING 107x5 | 2 |
| S65 | G00322471 K | LIFTRING Ø 95 X 5 MB | 1 |

| | | | |
|-----|-------------|-----------------------|---|
| S11 | 75994201 | STAGE 223-420-K61-HC | 1 |
| S12 | 75412223 K | PACKSET 223 KRA/KRM | 1 |
| S13 | 75018490 K | SLIDER 223x12 | 1 |
| S14 | G32254975 K | OUTER STOPRING 223x7 | 2 |
| S15 | G00322531 K | LIFTRING Ø 200 X 7 MB | 1 |

| | | | |
|-----|-------------|-----------------------|---|
| S51 | 75954181 | STAGE 125-418-K73-HC | 1 |
| S52 | 75412125 K | PACKSET 125 KRA/KRM | 1 |
| S53 | 75018437 K | SLIDER 125x12 | 1 |
| S54 | G00322489 K | OUTER STOPRING 125x5 | 2 |
| S55 | G00322482 K | LIFTRING Ø 112 X 5 MB | 1 |

| | | | |
|-----|-------------|--------------------------------|---|
| B01 | 75892620 | BASE 260-262-K64 | 1 |
| B02 | 75412260 K | PACKSET 260 KRA/KRM | 1 |
| B03 | 75410266 K | BASE BOTTOM KRM 260 PIN60 A290 | 1 |
| B04 | G00331007 K | O-RING 242 X 4 70 SHORE | 1 |
| B05 | 75419025 K | COUPLING SET R25 | 1 |

Notes

See 015BRA16 for cradle and bracket spare parts.

Seal kit complete

| | | |
|----------|--|--|
| 75420187 | Consists of all packsets with packset grease and O-rings | |
|----------|--|--|

*The inner stopring is pre-mounted in the grooves on spare stages and pistons. Therefore, when ordering new tubes, it is not required to order stoprings separately.

For repair instructions see: CYL-0034. Serial no. is located on type plate and near type plate support.