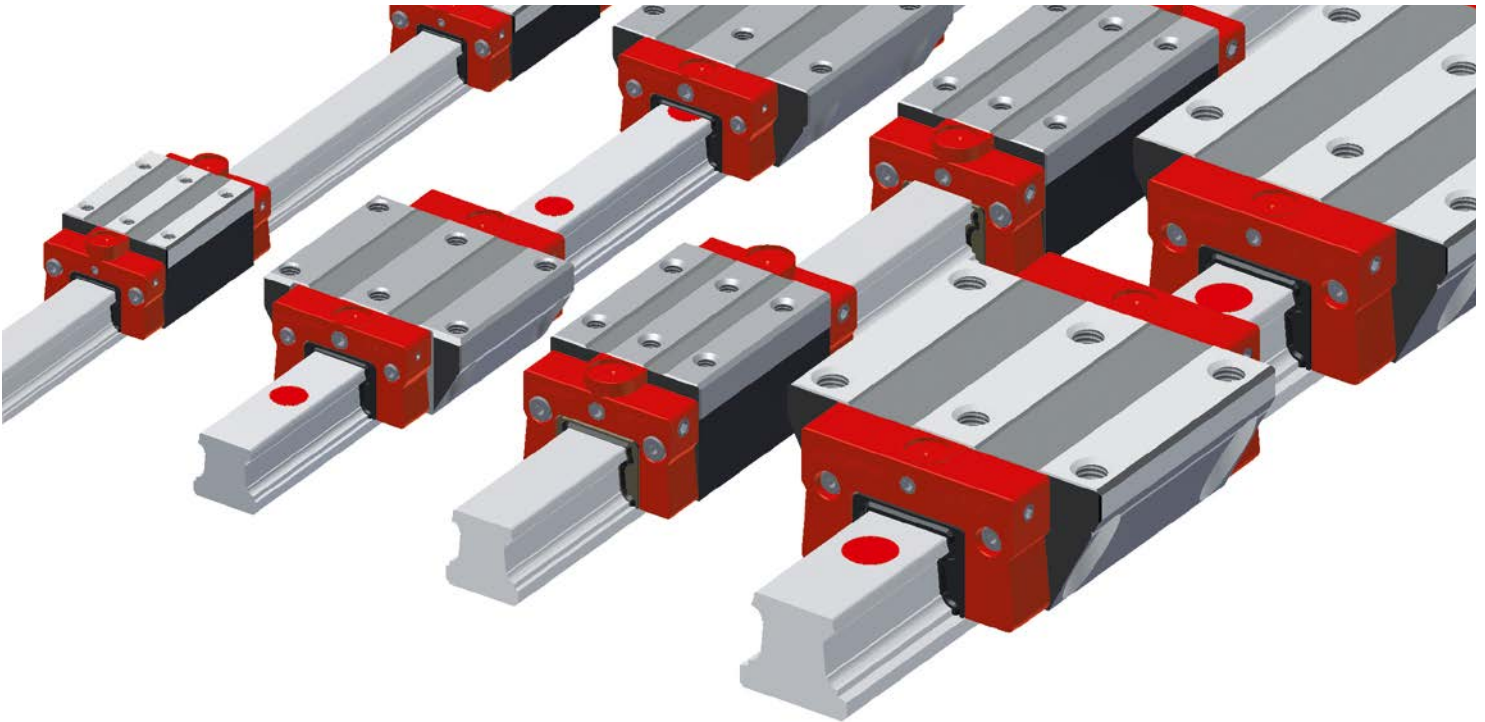


5.0 MONORAIL BM WR / BM SR

SCHNEEBERGER
LINEAR TECHNOLOGY

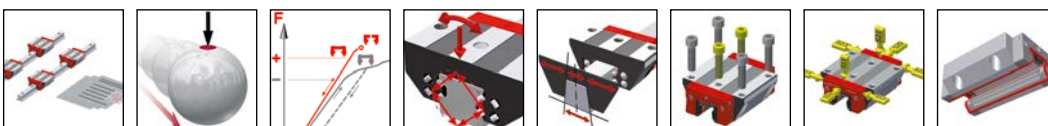


The MONORAIL BM WR/SR systems are linear guides made from corrosion-resistant steel, and are based on the MONORAIL BM ball profiled linear guideway. They were developed specially for specifications which would exceed the requirements of ordinary coatings for linear guideways. This is the case when the performance of the product is impaired by corrosion during processes.

In applications such as machines for foodstuffs, medical technology and cleanrooms MONORAIL BM WR/SR products ensure that the operation of linear axes is clean, accurate, long-term and free of problems.

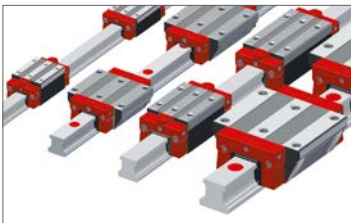
Furthermore, the MONORAIL WR/SR has the same tried and tested properties of the MONORAIL BM, such as the most effective operating characteristics, high travel speeds and a long operating life.

Features of System MONORAIL BM WR / BM SR



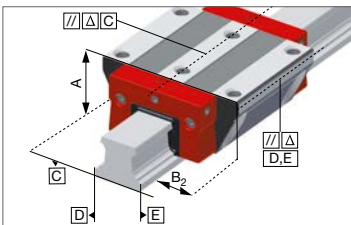
Details see chapter 1

5.1 Overview of types, sizes and available options 90



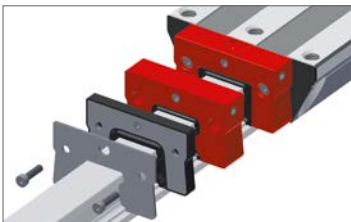
| | |
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| Product overview BM SR Rails | 90 |
| Product overview BM WR Carriages | 91 |

5.2 Technical data and options 92



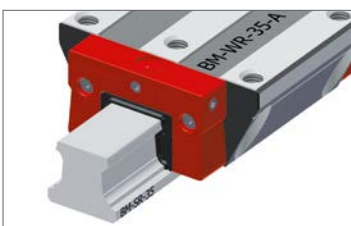
| | |
|-----------------------|-----|
| BM WR / BM SR Size 15 | 92 |
| BM WR / BM SR Size 20 | 94 |
| BM WR / BM SR Size 25 | 96 |
| BM WR / BM SR Size 30 | 98 |
| BM WR / BM SR Size 35 | 100 |

5.3 Accessories MONORAIL BM WR / BM SR 102



| | |
|----------------------|-----|
| Accessories overview | 102 |
|----------------------|-----|

5.4 Order key 103

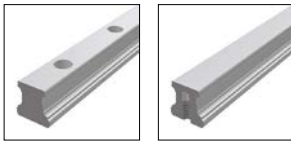


| | |
|--------------------------------|-----|
| Order code for BM SR Rails | 103 |
| Order code for BM WR Carriages | 103 |

5.1 Overview of types, sizes and available options

BM SR Rails

Product overview BM SR Rails



ND
standard,
through hardened

NUD
with tapped holes
at the bottom,
through hardened

Buildsizes / Rail build forms

| | ND | NUD | | | |
|---------|-------------|--------------|--|--|--|
| Size 15 | BM SR 15-ND | BM SR 15-NUD | | | |
| Size 20 | BM SR 20-ND | BM SR 20-NUD | | | |
| Size 25 | BM SR 25-ND | BM SR 25-NUD | | | |
| Size 30 | BM SR 30-ND | BM SR 30-NUD | | | |
| Size 35 | BM SR 35-ND | BM SR 35-NUD | | | |




Features

| | | | | | |
|-----------------------|---|---|--|--|--|
| Screwable from above | ● | | | | |
| Screwable from below | | ● | | | |
| Small assembly effort | | ● | | | |

Available options for BM SR Rails

Details see chapter 2



Accuracy

-  G1 Very accurate
-  G2 Accurate
-  G3 Standard

Straightness

-  KC Standard

Reference side

-  R1 Ref. at bottom
-  R2 Ref. on top

Coating

-  CN None

Available accessories for BM SR Rails

Details see chapter 5.3

Plugs

5.1 Overview of types, sizes and available options

BM WR Carriages

Product overview BM WR Carriages



A standard **B** standard, long **C** compact, high **D** compact, high, long **F** compact

Buildsizes / Carriage build forms

| | | | | | |
|---------|------------|------------|------------|------------|------------|
| Size 15 | BM WR 15-A | | BM WR 15-C | | BM WR 15-F |
| Size 20 | BM WR 20-A | BM WR 20-B | BM WR 20-C | BM WR 20-D | |
| Size 25 | BM WR 25-A | BM WR 25-B | BM WR 25-C | BM WR 25-D | |
| Size 30 | BM WR 30-A | BM WR 30-B | BM WR 30-C | BM WR 30-D | BM WR 30-F |
| Size 35 | BM WR 35-A | BM WR 35-B | BM WR 35-C | BM WR 35-D | |

Features

| | | | | | |
|--------------------------------|---|---|---|---|---|
| Screwable from above | ● | ● | ● | ● | ● |
| Screwable from below | ● | ● | | | |
| For high loads and moments | | ● | | ● | |
| For medium loads and moments | ● | | ● | | ● |
| For limited installation space | | | | | ● |

Available options for BM WR Carriages

Details see chapter 2

Accuracy

- G1** Very accurate
- G2** Accurate
- G3** Standard

Preload

- V0** very low
- V1** Low
- V2** Medium

Reference side

- R1** Ref. at bottom
- R2** Ref. on top

Coating

- CN** None

Lube connections

- S10** Left center
- S20** Right center
- S11** Top left
- S21** Top right
- S12** Lower left side
- S22** Lower right side

Lubrication

- S13** Upper left side
- S23** Upper right side
- S32** Left side
- S42** Right side
- S99** S10+S12+S13+S20+S22+S23 locked using threaded pins

Lubrication

- LN** Oil protect
- LK** Customized

Available accessories for BM WR Carriages

Details see chapter 5.3 and 2.1

Additional wipers
Metal wiper

Bellows
Lube nipples

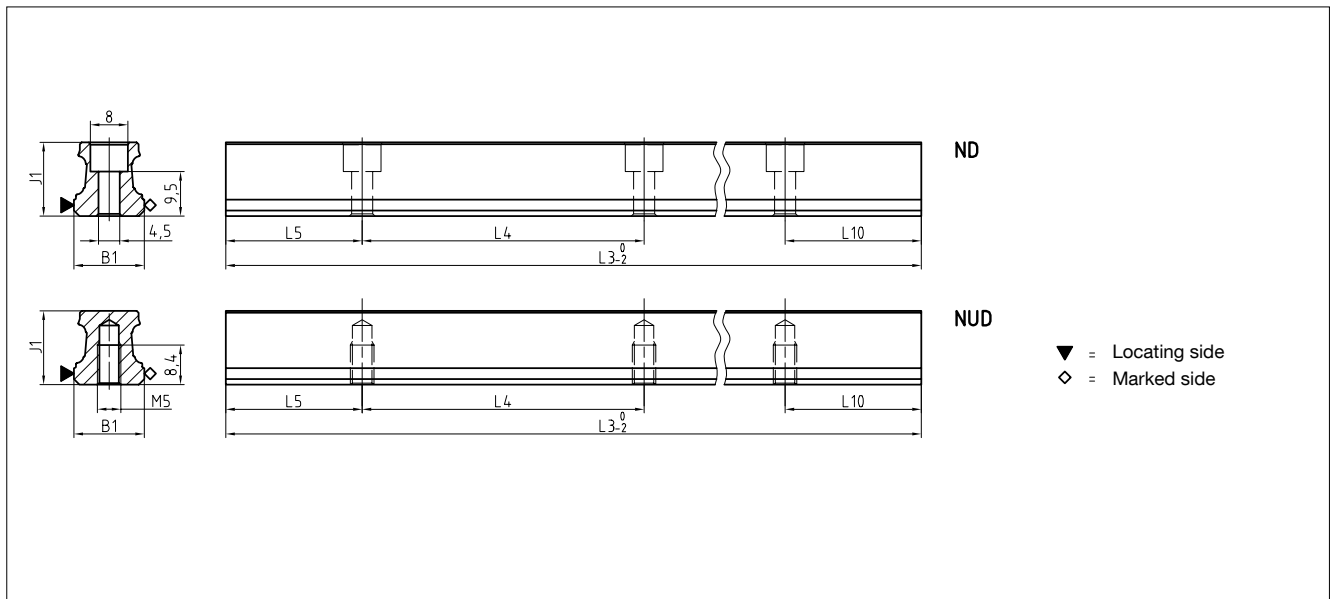
Assembly rails
Lube adapters

Lubrication plates

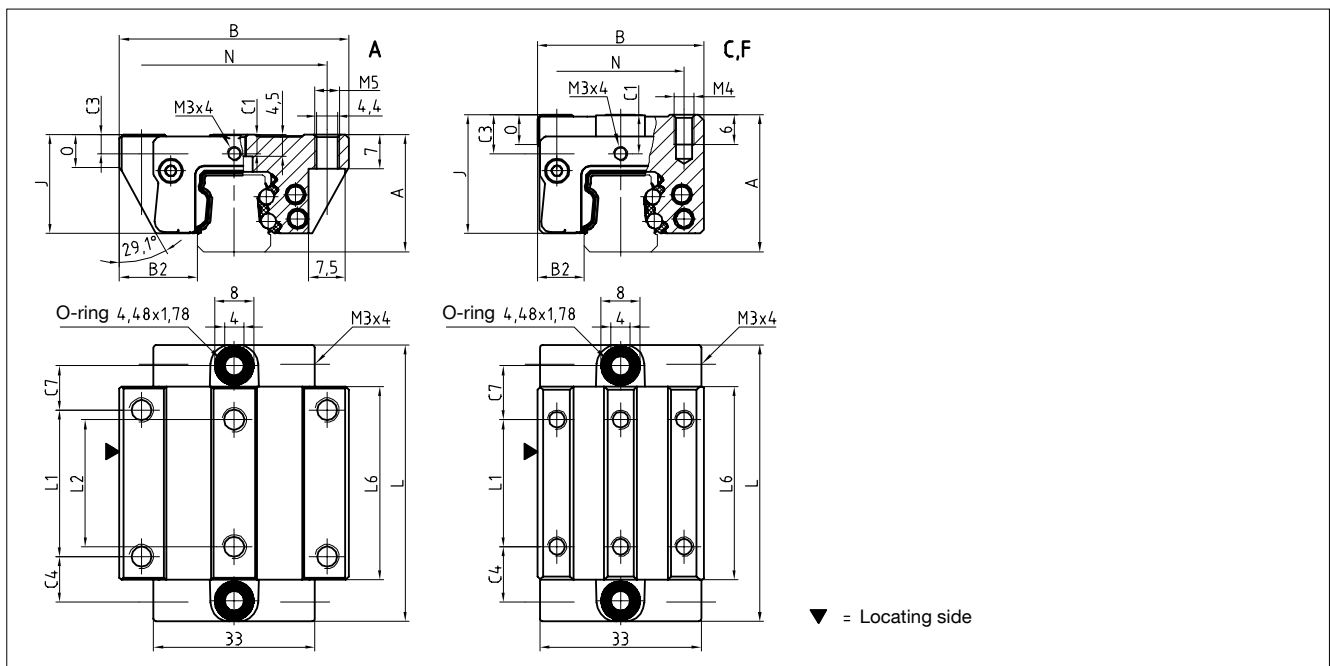
5.2 Technical data and options

BM WR / BM SR Size 15

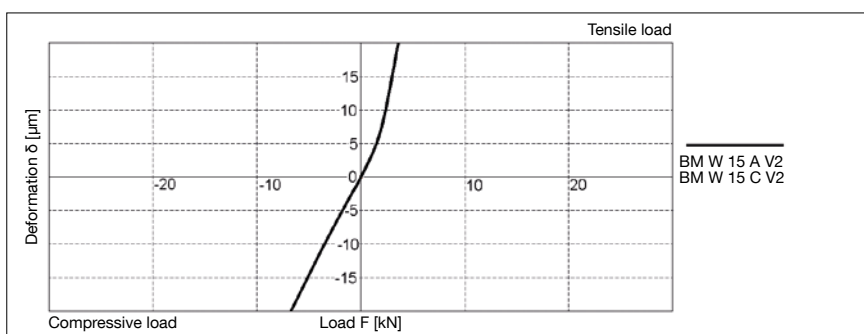
BM SR 15 Drawings



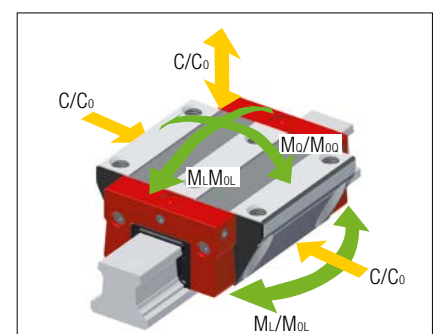
BM WR 15 Drawings



BM WR 15 Rigidity diagram



BM WR 15 Load rating



5.2 Technical data and options

BM WR / BM SR Size 15

BM SR 15 Dimensions



| | BM SR 15-ND | BM SR 15-NUD | | | |
|--------------------------------------------|-------------|--------------|--|--|--|
| B1: Rail width | 15 | 15 | | | |
| J1: Rail height | 15.7 | 15.7 | | | |
| L3: Rail length max. | 3000 | 3000 | | | |
| L4: Spacing of fixing holes | 60 | 60 | | | |
| L5/L10: Position of first/last fixing hole | 28.5 | 28.5 | | | |
| Gew.: Rail weight, specific (kg/m) | 1.4 | 1.4 | | | |

Available options for BM SR 15

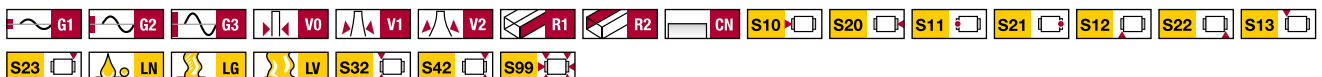


BM WR 15 Dimensions and capacities



| | BM WR 15-A | BM WR 15-C | BM WR 15-F | | |
|--------------------------------------------|------------|------------|------------|--|--|
| A: System height | 24 | 28 | 24 | | |
| B: Carriage width | 47 | 34 | 34 | | |
| B2: Distance between locating faces | 16 | 9.5 | 9.5 | | |
| C1: Position of center front lube hole | 4 | 8 | 4 | | |
| C3: Position of lateral lube hole | 4 | 8 | 4 | | |
| C4: Position of lateral lube hole | 9.3 | 11.3 | 11.3 | | |
| C7: Position of top lube hole | 9.05 | 11.05 | 11.05 | | |
| J: Carriage height | 20.4 | 24.4 | 20.4 | | |
| L: Carriage length | 56.6 | 56.6 | 56.6 | | |
| L1: Exterior fixing hole spacing | 30 | 26 | 26 | | |
| L2: Interior fixing hole spacing | 26 | - | - | | |
| L6: Steel body length | 39.6 | 39.6 | 39.6 | | |
| N: Lateral fixing hole spacing | 38 | 26 | 26 | | |
| O: Reference face height | 7 | 6 | 5.5 | | |
| Capacities and weights | | | | | |
| C0: Static load capacity (N) | 16660 | 16660 | 16660 | | |
| C100: Dynamic load capacity (N) | 7650 | 7650 | 7650 | | |
| MOQ: Static cross moment capacity (Nm) | 154 | 154 | 154 | | |
| MOL: Static longitud. moment capacity (Nm) | 124 | 124 | 124 | | |
| MQ: Dyn. cross moment capacity (Nm) | 71 | 71 | 71 | | |
| ML: Dyn. longitud. moment capacity (Nm) | 57 | 57 | 57 | | |
| Gew: Carriage weight (kg) | 0.2 | 0.3 | 0.2 | | |

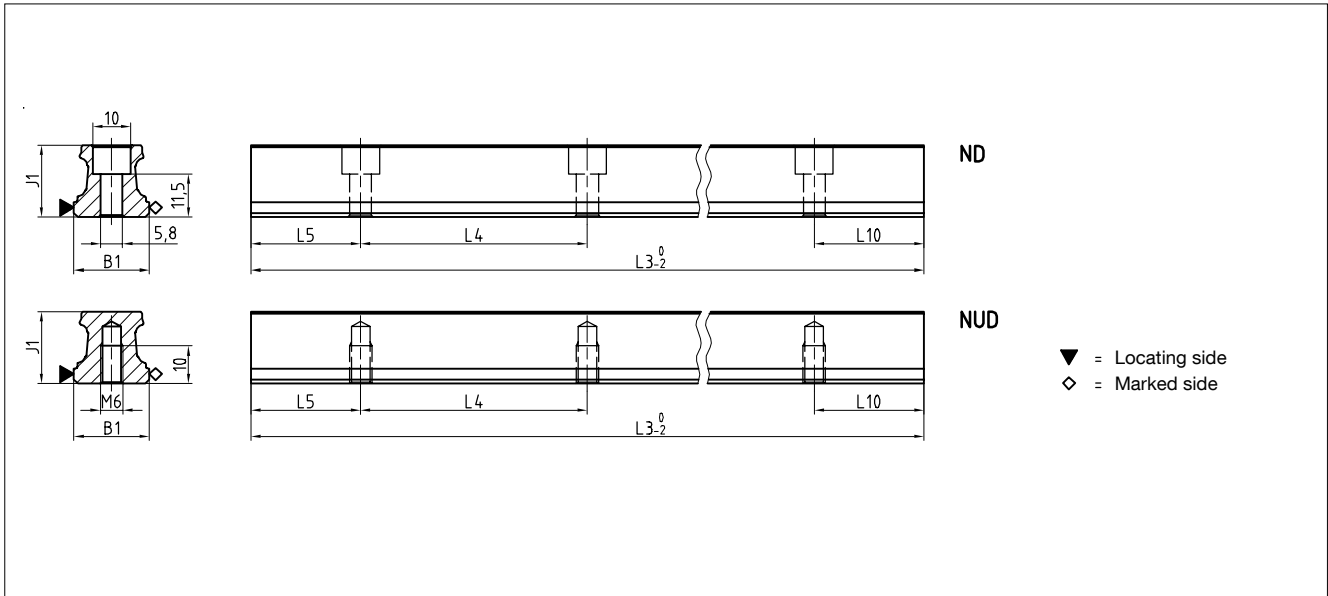
Available options for BM WR 15



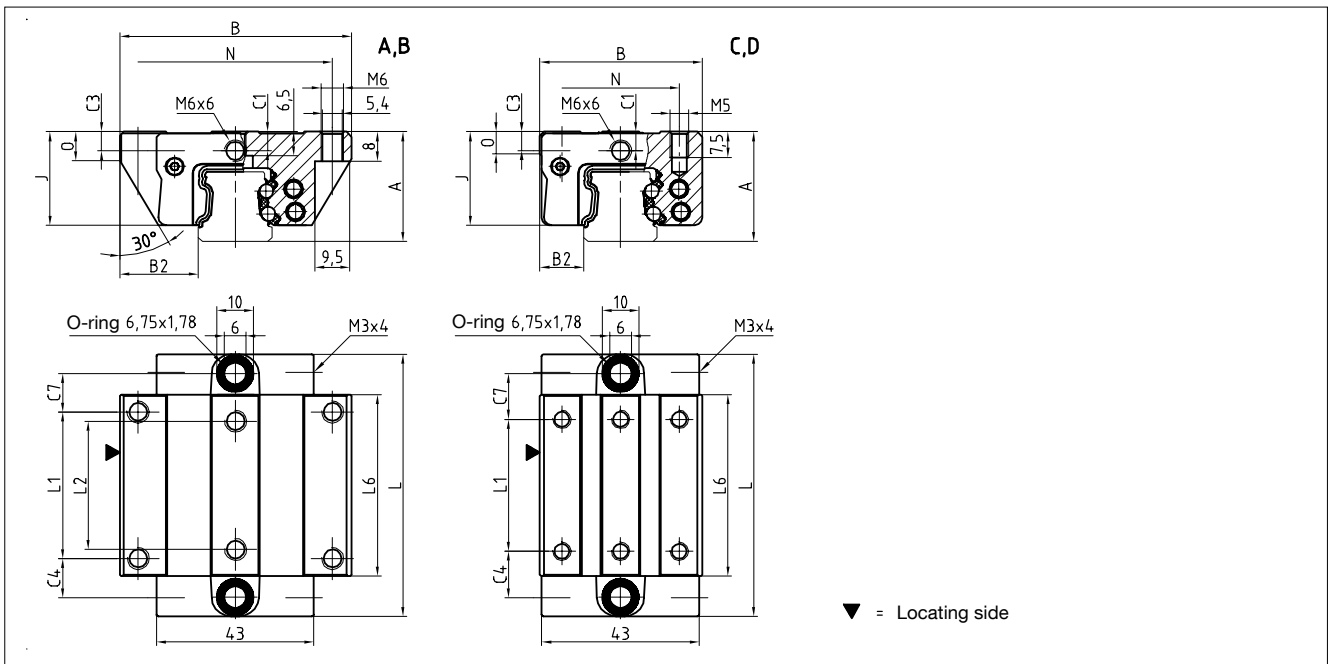
5.2 Technical data and options

BM WR / BM SR Size 20

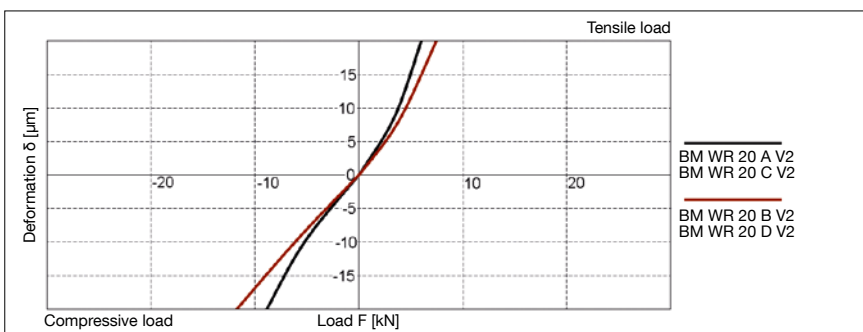
BM SR 20 Drawings



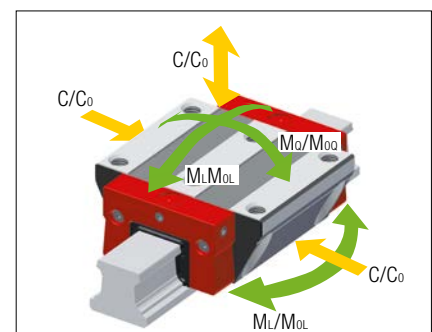
BM WR 20 Drawings



BM WR 20 Rigidity diagram



BM WR 20 Load rating



5.2 Technical data and options

BM WR / BM SR Size 20

BM SR 20 Dimensions



| | BM SR 20-ND | BM SR 20-NUD | | | |
|--------------------------------------------|-------------|--------------|--|--|--|
| B1: Rail width | 20 | 20 | | | |
| J1: Rail height | 19 | 19 | | | |
| L3: Rail length max. | 3000 | 3000 | | | |
| L4: Spacing of fixing holes | 60 | 60 | | | |
| L5/L10: Position of first/last fixing hole | 28.5 | 28.5 | | | |
| Gew.: Rail weight, specific (kg/m) | 2.2 | 2.3 | | | |

Available options for BM SR 20



BM WR 20 Dimensions and capacities

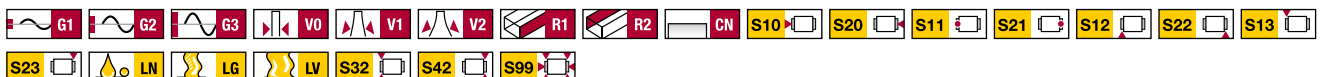


| | BM WR 20-A | BM WR 20-B | BM WR 20-C | BM WR 20-D | | |
|----------------------------------------|------------|------------|------------|------------|--|--|
| A: System height | 30 | 30 | 30 | 30 | | |
| B: Carriage width | 63 | 63 | 44 | 44 | | |
| B2: Distance between locating faces | 21.5 | 21.5 | 12 | 12 | | |
| C1: Position of center front lube hole | 5.2 | 5.2 | 5.2 | 5.2 | | |
| C3: Position of lateral lube hole | 5.2 | 5.2 | 5.2 | 5.2 | | |
| C4: Position of lateral lube hole | 10.75 | 18.75 | 12.75 | 13.75 | | |
| C7: Position of top lube hole | 10.25 | 18.25 | 12.25 | 13.25 | | |
| J: Carriage height | 25.5 | 25.5 | 25.5 | 25.5 | | |
| L: Carriage length | 71.5 | 87.5 | 71.5 | 87.5 | | |
| L1: Exterior fixing hole spacing | 40 | 40 | 36 | 50 | | |
| L2: Interior fixing hole spacing | 35 | 35 | - | - | | |
| L6: Steel body length | 49.5 | 65.5 | 49.5 | 65.5 | | |
| N: Lateral fixing hole spacing | 53 | 53 | 32 | 32 | | |
| O: Reference face height | 8 | 8 | 6 | 6 | | |

Capacities and weights

| | | | | | | |
|--------------------------------------------|-------|-------|-------|-------|--|--|
| C0: Static load capacity (N) | 26690 | 34935 | 26690 | 34935 | | |
| C100: Dynamic load capacity (N) | 12240 | 14790 | 12240 | 14790 | | |
| MOQ: Static cross moment capacity (Nm) | 317 | 417 | 317 | 417 | | |
| MOL: Static longitud. moment capacity (Nm) | 248 | 421 | 248 | 421 | | |
| MQ: Dyn. cross moment capacity (Nm) | 145 | 175 | 145 | 175 | | |
| ML: Dyn. longitud. moment capacity (Nm) | 114 | 177 | 114 | 177 | | |
| Gew: Carriage weight (kg) | 0.5 | 0.6 | 0.4 | 0.5 | | |

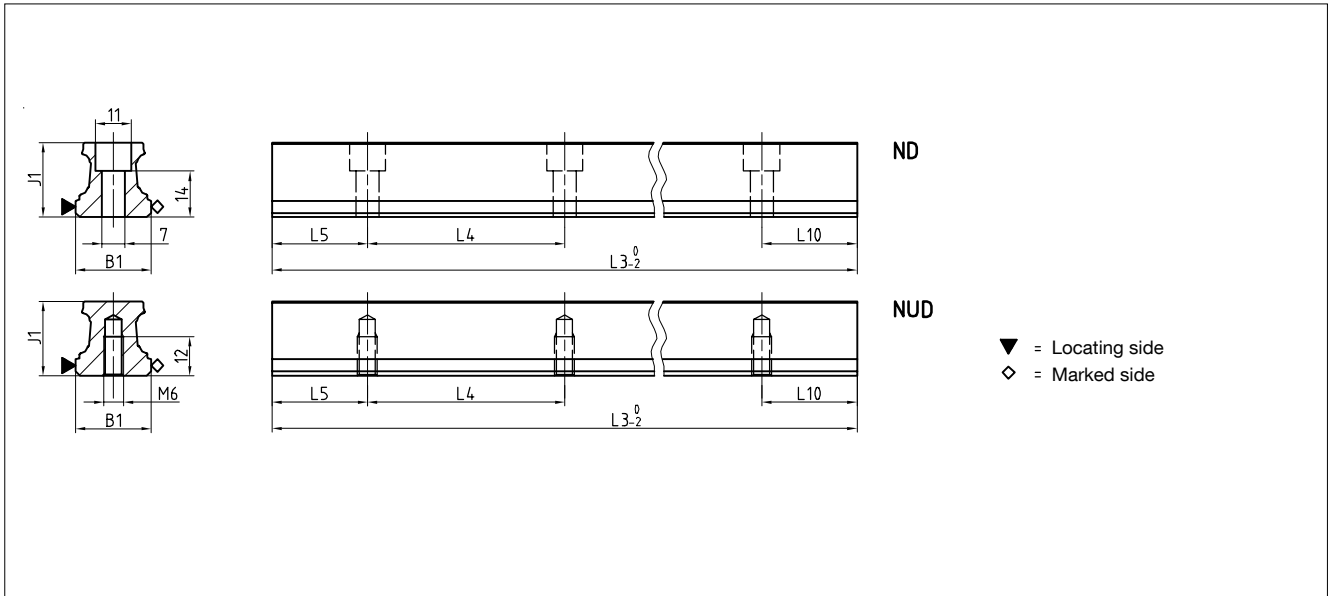
Available options for BM WR 20



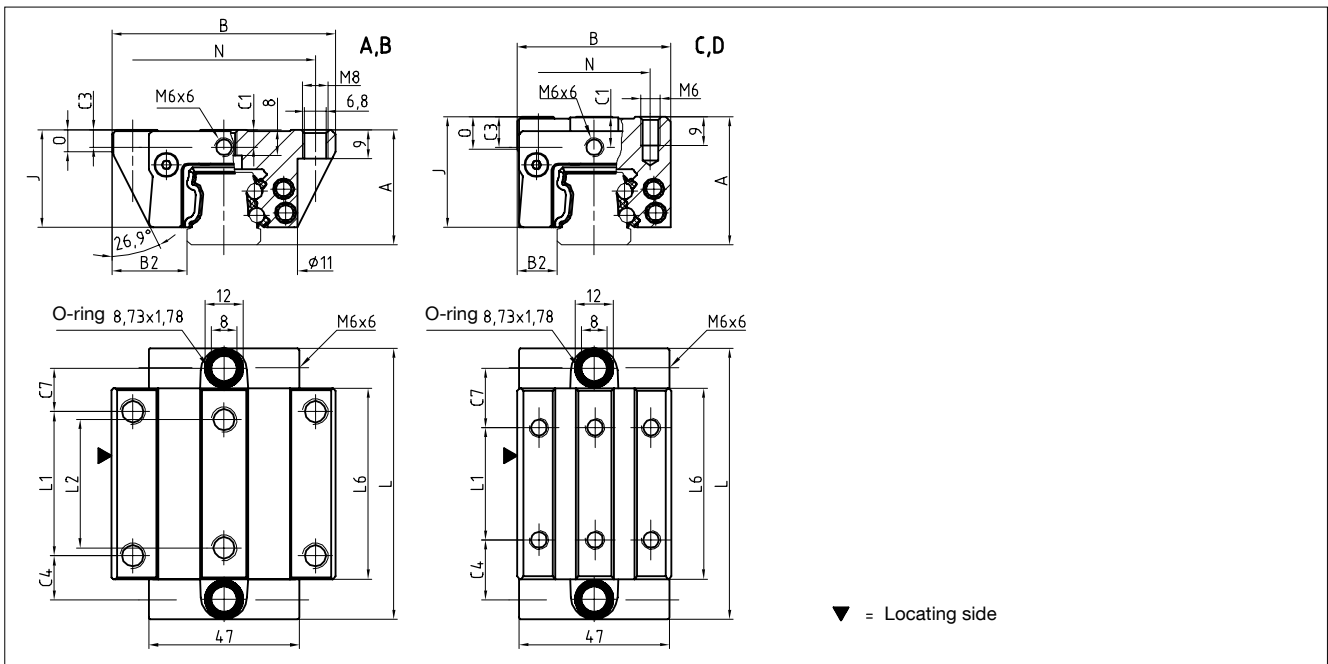
5.2 Technical data and options

BM WR / BM SR Size 25

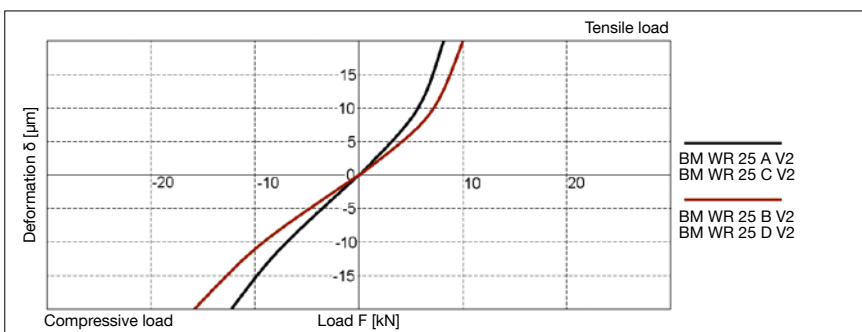
BM SR 25 Drawings



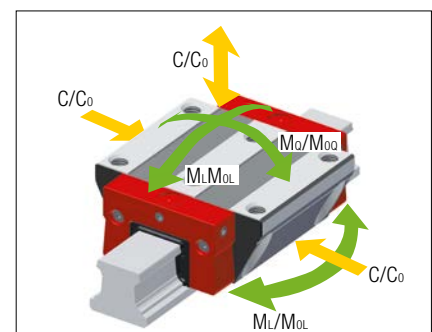
BM WR 25 Drawings



BM WR 25 Rigidity diagram



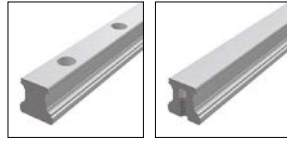
BM WR 25 Load rating



5.2 Technical data and options

BM WR / BM SR Size 25

BM SR 25 Dimensions



| | BM SR 25-ND | BM SR 25-NUD | | | |
|--------------------------------------------|-------------|--------------|--|--|--|
| B1: Rail width | 23 | 23 | | | |
| J1: Rail height | 22.7 | 22.7 | | | |
| L3: Rail length max. | 3000 | 3000 | | | |
| L4: Spacing of fixing holes | 60 | 60 | | | |
| L5/L10: Position of first/last fixing hole | 28.5 | 28.5 | | | |
| Gew.: Rail weight, specific (kg/m) | 3.0 | 3.1 | | | |

Available options for BM SR 25



BM WR 25 Dimensions and capacities



| | BM WR 25-A | BM WR 25-B | BM WR 25-C | BM WR 25-D | | |
|----------------------------------------|------------|------------|------------|------------|--|--|
| A: System height | 36 | 36 | 40 | 40 | | |
| B: Carriage width | 70 | 70 | 48 | 48 | | |
| B2: Distance between locating faces | 23.5 | 23.5 | 12.5 | 12.5 | | |
| C1: Position of center front lube hole | 5.5 | 5.5 | 9.5 | 9.5 | | |
| C3: Position of lateral lube hole | 5.5 | 5.5 | 9.5 | 9.5 | | |
| C4: Position of lateral lube hole | 13.75 | 23.35 | 18.75 | 20.75 | | |
| C7: Position of top lube hole | 13.5 | 23 | 18.5 | 20.5 | | |
| J: Carriage height | 30.5 | 30.5 | 34.5 | 34.5 | | |
| L: Carriage length | 84.5 | 103.5 | 84.5 | 103.5 | | |
| L1: Exterior fixing hole spacing | 45 | 45 | 35 | 50 | | |
| L2: Interior fixing hole spacing | 40 | 40 | - | - | | |
| L6: Steel body length | 59.5 | 78.5 | 59.5 | 78.5 | | |
| N: Lateral fixing hole spacing | 57 | 57 | 35 | 35 | | |
| O: Reference face height | 7 | 7 | 11 | 11 | | |

Capacities and weights

| | | | | | | |
|--------------------------------------------|-------|-------|-------|-------|--|--|
| C0: Static load capacity (N) | 39185 | 51255 | 39185 | 51255 | | |
| C100: Dynamic load capacity (N) | 17935 | 21675 | 17935 | 21675 | | |
| MOQ: Static cross moment capacity (Nm) | 536 | 701 | 536 | 701 | | |
| MOL: Static longitud. moment capacity (Nm) | 436 | 734 | 436 | 734 | | |
| MQ: Dyn. cross moment capacity (Nm) | 246 | 297 | 246 | 297 | | |
| ML: Dyn. longitud. moment capacity (Nm) | 200 | 310 | 200 | 310 | | |
| Gew: Carriage weight (kg) | 0.7 | 0.9 | 0.6 | 0.8 | | |

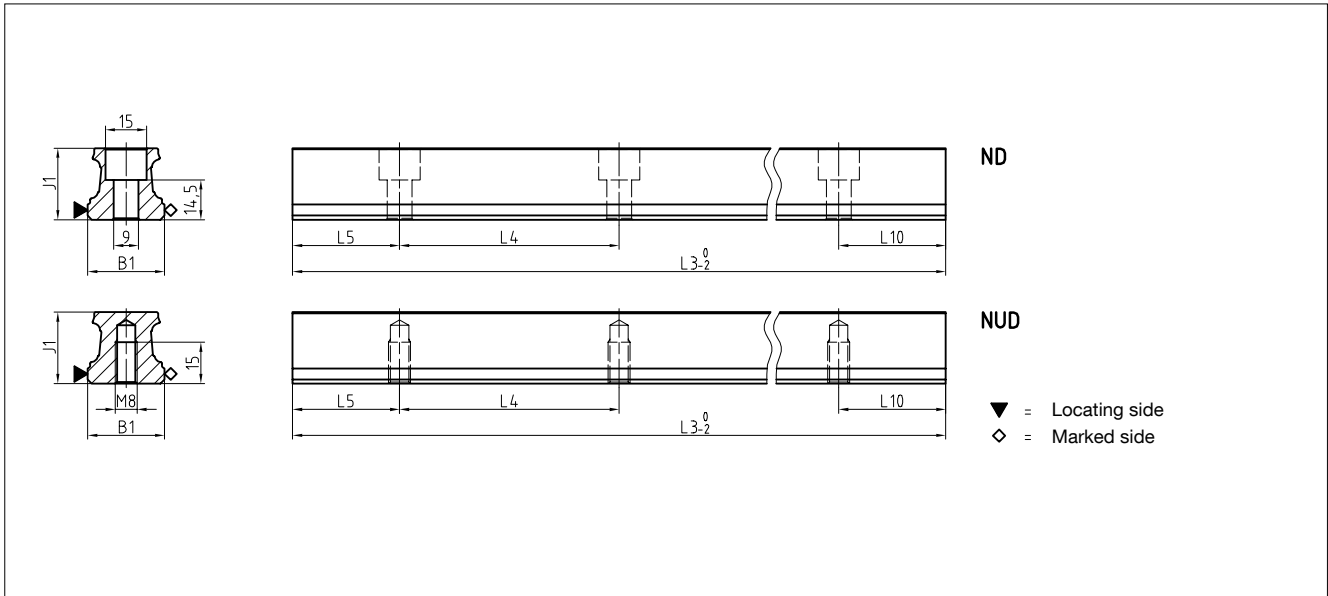
Available options for BM WR 25



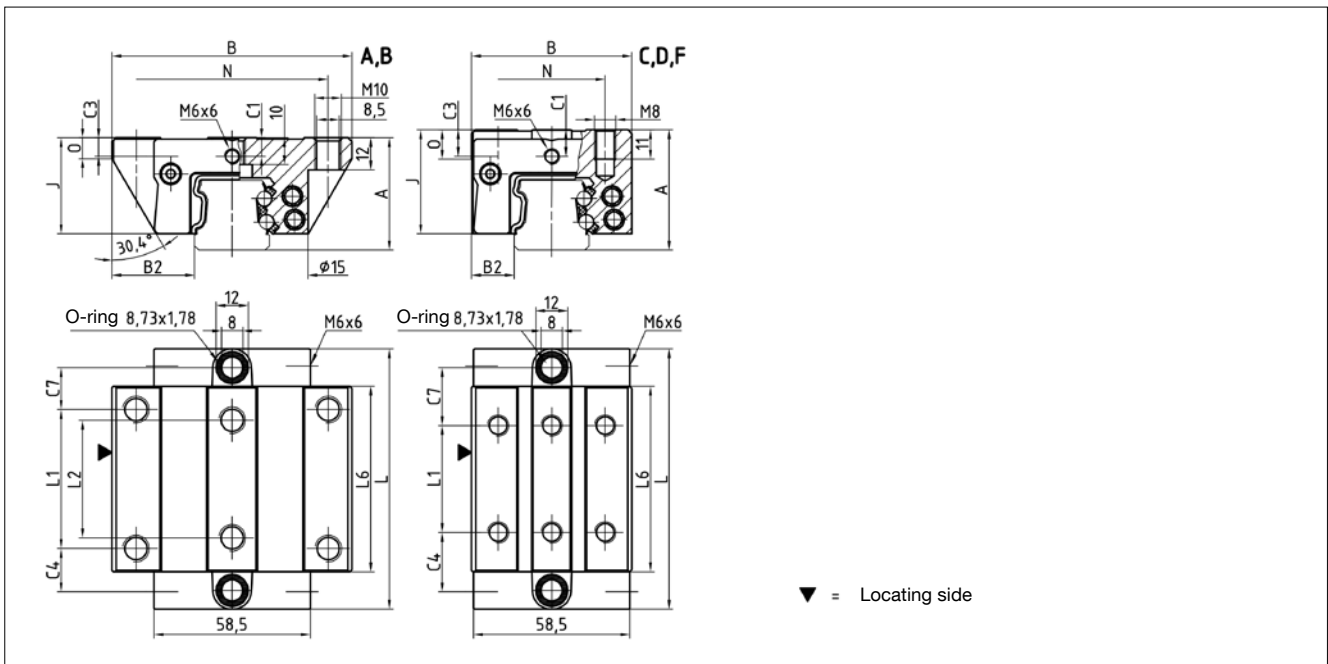
5.2 Technical data and options

BM WR / BM SR Size 30

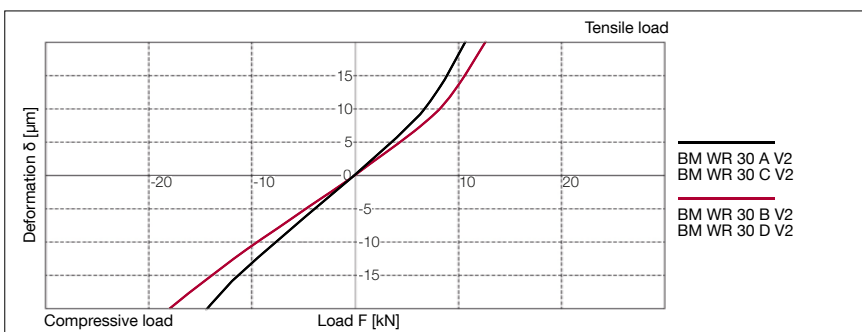
BM SR 30 Drawings



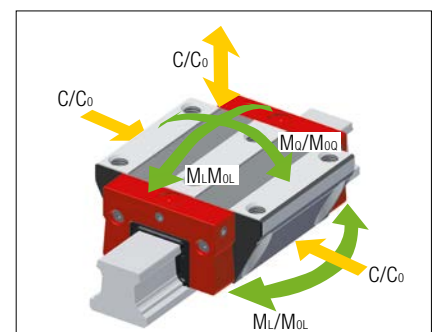
BM WR 30 Drawings



BM WR 30 Rigidity diagram



BM WR 30 Load rating



5.2 Technical data and options

BM WR / BM SR Size 30

BM SR 30 Dimensions



| | BM SR 30-ND | BM SR 30-NUD | | | |
|--------------------------------------------|-------------|--------------|--|--|--|
| B1: Rail width | 28 | 28 | | | |
| J1: Rail height | 26 | 26 | | | |
| L3: Rail length max. | 3000 | 3000 | | | |
| L4: Spacing of fixing holes | 80 | 80 | | | |
| L5/L10: Position of first/last fixing hole | 38.5 | 38.5 | | | |
| Gew.: Rail weight, specific (kg/m) | 4.3 | 4.5 | | | |

Available options for BM SR 30



BM WR 30 Dimensions and capacities

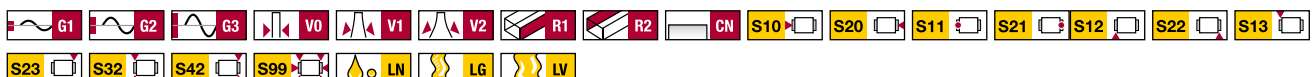


| | BM WR 30-A | BM WR 30-B | BM WR 30-C | BM WR 30-D | BM WR 30-F |
|----------------------------------------|------------|------------|------------|------------|------------|
| A: System height | 42 | 42 | 45 | 45 | 42 |
| B: Carriage width | 90 | 90 | 60 | 60 | 60 |
| B2: Distance between locating faces | 31 | 31 | 16 | 16 | 16 |
| C1: Position of center front lube hole | 7 | 7 | 10 | 10 | 7 |
| C3: Position of lateral lube hole | 7 | 7 | 10 | 10 | 7 |
| C4: Position of lateral lube hole | 16.2 | 27.2 | 22.2 | 23.2 | 22.2 |
| C7: Position of top lube hole | 15.7 | 26.7 | 21.7 | 22.7 | 21.7 |
| J: Carriage height | 35.9 | 35.9 | 38.9 | 38.9 | 35.9 |
| L: Carriage length | 97.4 | 119.4 | 97.4 | 119.4 | 97.4 |
| L1: Exterior fixing hole spacing | 52 | 52 | 40 | 60 | 40 |
| L2: Interior fixing hole spacing | 44 | 44 | - | - | - |
| L6: Steel body length | 69.4 | 91.4 | 69.4 | 91.4 | 69.4 |
| N: Lateral fixing hole spacing | 72 | 72 | 40 | 40 | 40 |
| O: Reference face height | 8 | 8 | 11 | 11 | 11 |

Capacities and weights

| | | | | | |
|--------------------------------------------|-------|-------|-------|-------|-------|
| C0: Static load capacity (N) | 54145 | 70805 | 54145 | 70805 | 54145 |
| C100: Dynamic load capacity (N) | 24820 | 30005 | 24820 | 30005 | 24820 |
| MOQ: Static cross moment capacity (Nm) | 921 | 1202 | 921 | 1202 | 921 |
| MOL: Static longitud. moment capacity (Nm) | 705 | 1182 | 705 | 1182 | 705 |
| MQ: Dyn. cross moment capacity (Nm) | 422 | 509 | 422 | 509 | 422 |
| ML: Dyn. longitud. moment capacity (Nm) | 323 | 501 | 323 | 501 | 323 |
| Gew: Carriage weight (kg) | 1.2 | 1.5 | 1.0 | 1.3 | 0.9 |

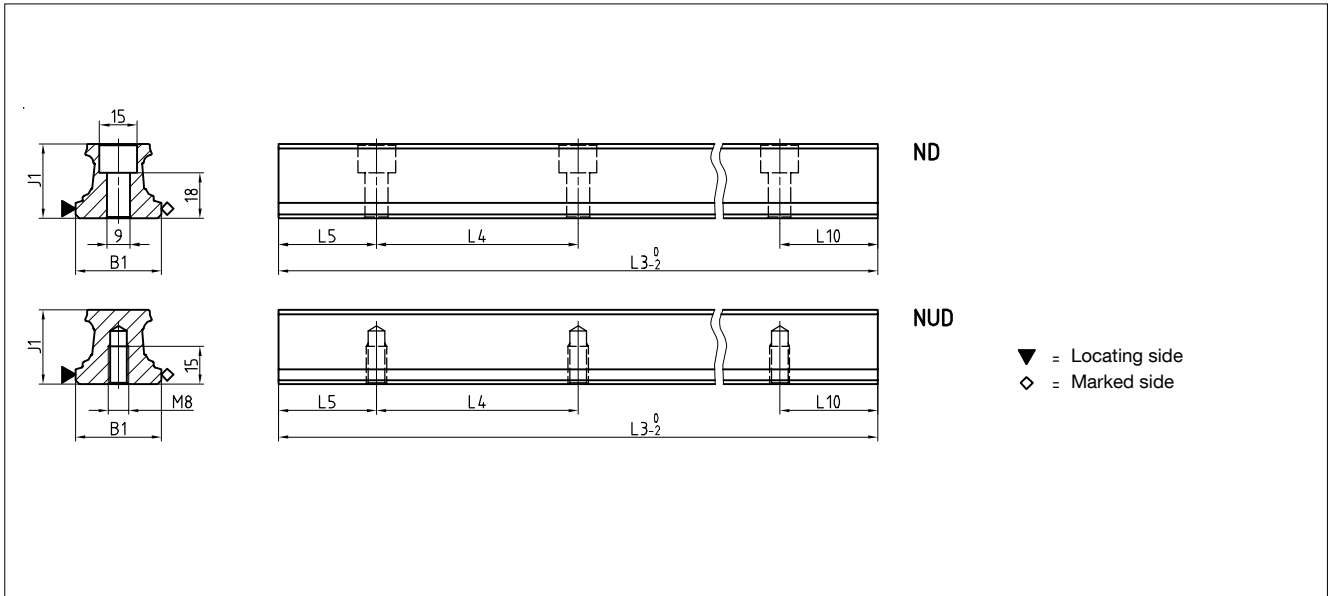
Available options for BM WR 30



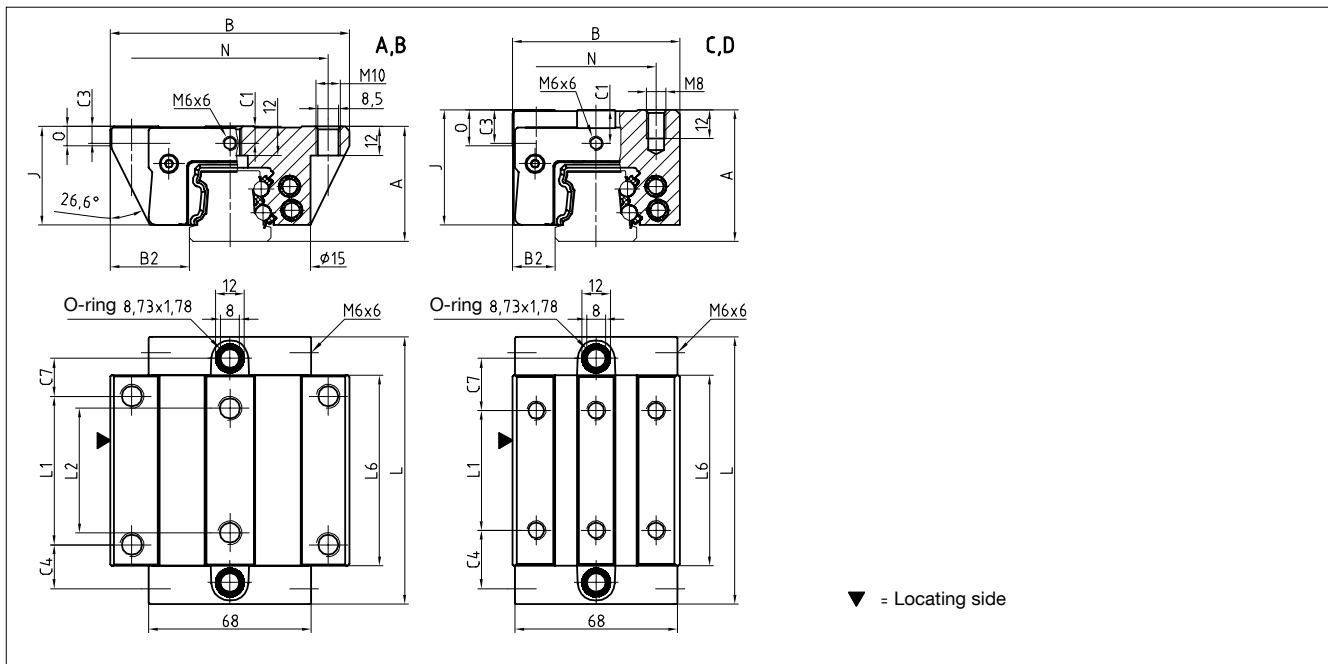
5.2 Technical data and options

BM WR / BM SR Size 35

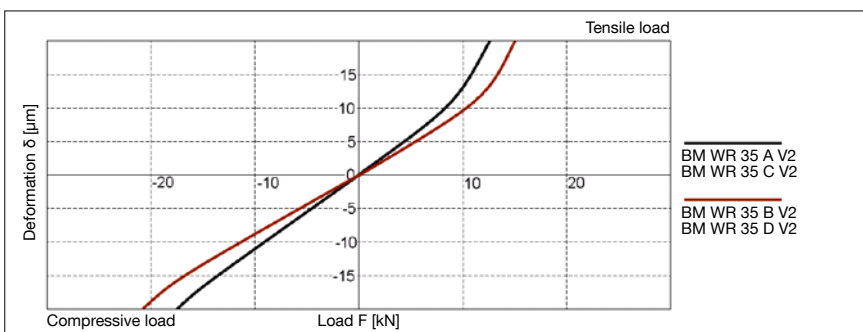
BM SR 35 Drawings



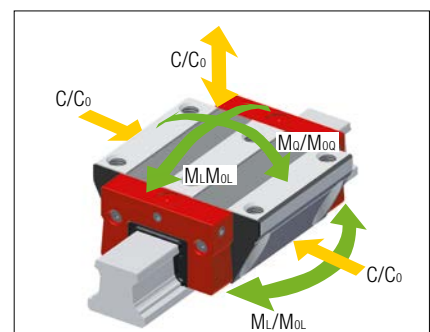
BM WR 35 Drawings



BM WR 35 Rigidity diagram



BM WR 35 Load rating



5.2 Technical data and options

BM WR / BM SR Size 35

BM SR 35 Dimensions

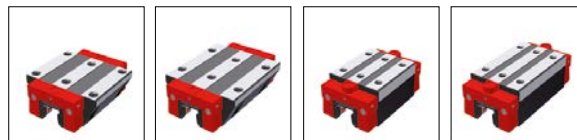


| | BM SR 35-ND | BM SR 35-NUD | | | |
|--------------------------------------------|-------------|--------------|--|--|--|
| B1: Rail width | 34 | 34 | | | |
| J1: Rail height | 29.5 | 29.5 | | | |
| L3: Rail length max. | 3000 | 3000 | | | |
| L4: Spacing of fixing holes | 80 | 80 | | | |
| L5/L10: Position of first/last fixing hole | 38.5 | 38.5 | | | |
| Gew.: Rail weight, specific (kg/m) | 5.4 | 5.7 | | | |

Available options for BM SR 35



BM WR 35 Dimensions and capacities

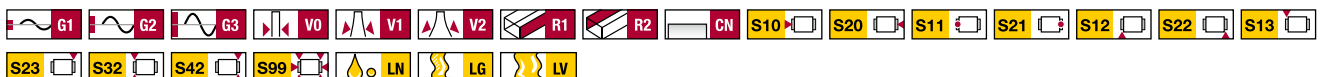


| | BM WR 35-A | BM WR 35-B | BM WR 35-C | BM WR 35-D | | |
|----------------------------------------|------------|------------|------------|------------|--|--|
| A: System height | 48 | 48 | 55 | 55 | | |
| B: Carriage width | 100 | 100 | 70 | 70 | | |
| B2: Distance between locating faces | 33 | 33 | 18 | 18 | | |
| C1: Position of center front lube hole | 7 | 7 | 14 | 14 | | |
| C3: Position of lateral lube hole | 7 | 7 | 14 | 14 | | |
| C4: Position of lateral lube hole | 18.3 | 31.05 | 24.3 | 26.05 | | |
| C7: Position of top lube hole | 15.8 | 28.55 | 21.8 | 23.55 | | |
| J: Carriage height | 41 | 41 | 48 | 48 | | |
| L: Carriage length | 111.6 | 137.1 | 111.6 | 137.1 | | |
| L1: Exterior fixing hole spacing | 62 | 62 | 50 | 72 | | |
| L2: Interior fixing hole spacing | 52 | 52 | - | - | | |
| L6: Steel body length | 79.6 | 105.1 | 79.6 | 105.1 | | |
| N: Lateral fixing hole spacing | 82 | 82 | 50 | 50 | | |
| O: Reference face height | 8 | 8 | 15 | 15 | | |

Capacities and weights

| | | | | | | |
|--------------------------------------------|-------|-------|-------|-------|--|--|
| C0: Static load capacity (N) | 71740 | 93755 | 71740 | 93755 | | |
| C100: Dynamic load capacity (N) | 32895 | 39695 | 32895 | 39695 | | |
| MOQ: Static cross moment capacity (Nm) | 1331 | 1741 | 1331 | 1741 | | |
| MOL: Static longitud. moment capacity (Nm) | 1064 | 1788 | 1064 | 1788 | | |
| MQ: Dyn. cross moment capacity (Nm) | 610 | 737 | 610 | 737 | | |
| ML: Dyn. longitud. moment capacity (Nm) | 488 | 757 | 488 | 757 | | |
| Gew: Carriage weight (kg) | 1.8 | 2.3 | 1.7 | 2.2 | | |

Available options for BM WR 35



BM SR Rails accessories overview

| Accessories | BM SR 15 | BM SR 20 | BM SR 25 | BM SR 30 | BM SR 35 |
|---------------|----------|----------|----------|----------|----------|
| Plugs: | | | | | |
| Plastic plugs | BRK 15 | BRK 20 | BRK 25 | BRK 30 | BRK 35 |

BM WR Carriages accessories overview

| Accessories | BM WR 15 | BM WR 20 | BM WR 25 | BM WR 30 | BM WR 35 |
|---------------------------------------------|------------|-----------------|-----------------|-----------------|-----------------|
| Additional wipers: | | | | | |
| Additional wipers Viton | ZBV 15 | ZBV 20 | ZBV 25 | ZBV 30 | ZBV 35 |
| Metal wiper | ABM 15 | ABM 20 | ABM 25 | ABM 30 | ABM 35 |
| Bellows: | | | | | |
| Bellow | - | FBB 20 | FBB 25 | FBB 30 | FBB 35 |
| Adapter plate for bellows (spare part) | - | ZPB 20 | ZPB 25 | ZPB 30 | ZPB 35 |
| End plate for bellows (spare part) | - | EPB 20 | EPB 25 | EPB 30 | EPB 35 |
| Assembly rails: | | | | | |
| Assembly rail | MBM 15 | MBM 20 | MBM 25 | MBM 30 | MBM 35 |
| Lubrication plates: | | | | | |
| Lubrication plate | SPL 15-BM | SPL 20-BM | SPL 25-BM | SPL 30-BM | SPL 35-BM |
| Front plates: | | | | | |
| Cross wiper for front plate (spare part) | QAS 15-STB | QAS 20-STB | QAS 25-STB | QAS 30-STB | QAS 35-STB |
| Corrosion resistant grease nipples: | | | | | |
| Hydraulic-type grease nipple straight M3 | - | - | - | - | - |
| Hydraulic-type grease nipple straight M6 | - | SN 6-V2A | SN 6-V2A | SN 6-V2A | SN 6-V2A |
| Hydraulic-type grease nipple 45° | - | SN 6-45-V2A | SN 6-45-V2A | SN 6-45-V2A | SN 6-45-V2A |
| Hydraulic-type grease nipple 90° | - | SN 6-90-V2A | SN 6-90-V2A | SN 6-90-V2A | SN 6-90-V2A |
| Flush type grease nipple M3 45° | SN 3-T-45 | SN 3-T-45 | - | - | - |
| Grease gun for SN 3-T und SN 6-T | SFP-T3 | SFP-T3 | SFP-T3 | SFP-T3 | SFP-T3 |
| Corrosion resistant grease adapters: | | | | | |
| Straight screw-in connection M3 | SA 3-D3 | SA 3-D3 | - | - | - |
| Straight screw-in connection M6 | - | SA 6-D4 | SA 6-D4 | SA 6-D4 | SA 6-D4 |
| Lubrication adapter M8 hexagon head long | - | SA 6-6KT-M8x1-L | SA 6-6KT-M8x1-L | SA 6-6KT-M8x1-L | SA 6-6KT-M8x1-L |
| Swivel screw connection for pipe d=3 mm | SV 3-D3 | SV 3-D3 | - | - | - |
| Swivel screw connection for pipe d=4 mm | - | SV 6-D4 | SV 6-D4 | SV 6-D4 | SV 6-D4 |
| Swivel screw connection M8 | - | SV 6-M8x1 | SV 6-M8x1 | SV 6-M8x1 | SV 6-M8x1 |

Other lubrication systems upon request

5.4 Order key

Individual guide rails and carriages are ordered in accordance with the order codes described below.

Q.v. chapter 2.1 and chapter 5.3 for the order key for accessories.

Separate order codes are used in each case for rails, carriages and accessories. This also applies to different versions of rails and carriages.

All guide components are supplied individually as standard, i.e. unassembled.

If required, SCHNEEBERGER can also supply rails and carriages assembled incl. accessories as complete systems. Please note the ordering instructions in chapter 2.4 if this applies.

Order code for BM SR Rails

| | 2x | BM SR | 25 | -N | -G3 | -KC | -R1 | -958 | -29 | -29 | -CN |
|----------------------------------|----|-------|----|----|-----|-----|-----|------|-----|-----|-----|
| Quantity | | | | | | | | | | | |
| Rail | | | | | | | | | | | |
| Size | | | | | | | | | | | |
| Type | | | | | | | | | | | |
| Accuracy | | | | | | | | | | | |
| Straightness | | | | | | | | | | | |
| Reference side | | | | | | | | | | | |
| Rail length L3 | | | | | | | | | | | |
| Position of first fixing hole L5 | | | | | | | | | | | |
| Position of last fixing hole L10 | | | | | | | | | | | |
| Coating | | | | | | | | | | | |

NB

Q.v. chapter 5.1 to 5.3 for an overview of types, details of shapes, available options and accessories.

Q.v. chapter 2 for a description of the options.

If possible, standard lengths are preferred for L3 rail length.

These are calculated with the table values in chapter 5.2 using the following formula: $L3 = n \times L4 + L5 + L10 \leq L3_{max}$.

Order code for BM WR Carriages

| | 4x | BM WR | 25 | -A | -G3 | -V1 | -R1 | -CN | -S99 | -LN |
|------------------------------------|----|-------|----|----|-----|-----|-----|-----|------|-----|
| Quantity | | | | | | | | | | |
| Carriage | | | | | | | | | | |
| Size | | | | | | | | | | |
| Type | | | | | | | | | | |
| Accuracy | | | | | | | | | | |
| Preload | | | | | | | | | | |
| Reference side | | | | | | | | | | |
| Coating | | | | | | | | | | |
| Lube connection | | | | | | | | | | |
| Lubrication as delivered condition | | | | | | | | | | |

NB

Q.v. chapter 5.1 to 5.3 for an overview of types, details of shapes, available options and accessories.

Q.v. chapter 2 for a description of the options.