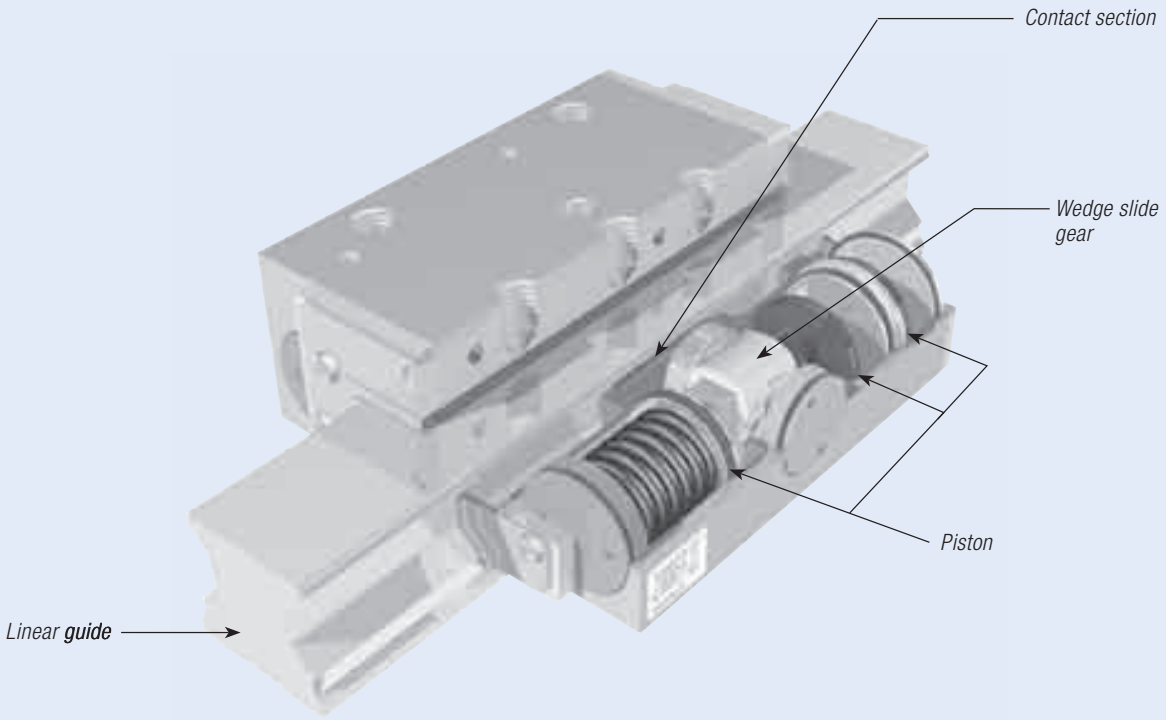
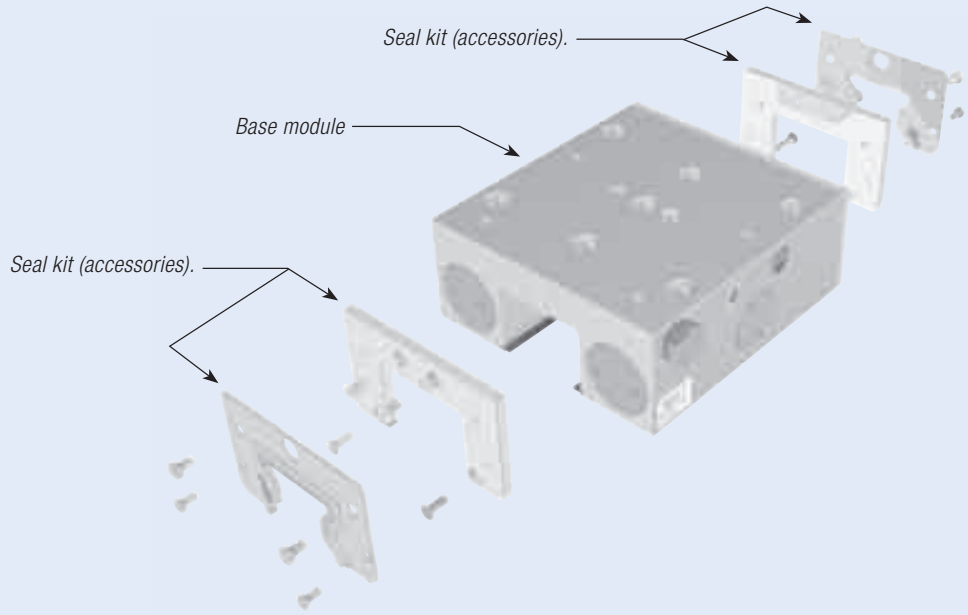



# Active without pressure – compact and powerful:
## The Clamping and Braking Element with spring-loaded energy storage **UB.**

The UB series combines the technology of the BW, TK and MB series. The rigid housing and central position of the wedge slide gear achieve very high supporting forces. The mounting hole template enables the BW, TK and MB series to be substituted.
The UB series is based on a dual-effective wedge slide gear with spring-loaded energy storage for clamping and braking without pressure. This arrangement of three pistons connected in a line allows use of a stronger spring at 5.5 **bar. The stronger spring-loaded storage** permits holding forces up to 9,000 N. Positive fit contact sections mounted within a strong casing guarantee high axial and horizontal rigidity.
The UB series is designed for braking on linear guides. Because of the material combination of the linear guide/contact section, the linear guide won't be damaged by the contact section.

In order to exclude damage from contamination with chips (chips between contact section and linear guide), the elements can be fitted with original seals (seal kit) from the respective linear guide manufacturer and longitudinal seals as accessories.
When used in harsh work environments or with cooling liquid, the seal kit should be used as well. In order to guarantee the lifetime of the seals, follow the corresponding instructions from the respective linear guide manufacturer.
Details on the length of the brake path to be expected can be obtained from our technical advisors. The computations are based on serial tests and our industrial experience.

## UB Design





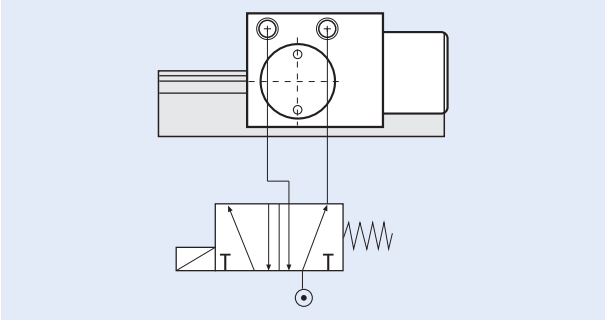

**Special characteristics:**
- Compatible with the BW, TK and MB series
- Special friction coating for braking
- Pneumatic heavy load type
- Solid and rigid outer casing
- Compact design, DIN 645 compatible
- Exact positioning
- Supporting forces up to 9,000 N
- Higher supporting force with PLUS connection
- Available with CE certification

**Application scenarios for UB:**
- Clamping in case of pressure drop
- Clamping without energy requirement
- Emergency OFF function
- Braking for linear motors
- Z-axes positioning in neutral position
- Machine table clamping of work centres

**Variations:**
Seals are recommended in harsh work environments.
The element is also available with CE certification.

**Connection options:**
The basic version of the UB series features air connections on both sides. This means that the air connection and the air-release filter can be moved over to the opposite side.

**Higher supporting forces with PLUS connection:**
By using a 5/2 (overflow-free) or **5/3 valve it is possible to support the** spring power with pneumatic pressure. By using the PLUS connection, the stated supporting force will be increased.
When the PLUS connection is being used the air-release filter is replaced by connecting a second pneumatic tube (see drawing).
For further information, please refer to the assembly instructions or visit www.zimmer-gmbh.com.



Rail manufacturer

THK
The Mark of Linear Motion

| Type of rail | Size | Type of carriage | Item number | Adapting plate *1 [for height compensation] | Measure D [mm] *2 | Measure table [pPage 56] |
|---|---|---|---|---|---|---|
| HSR | 25 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..CA, HSR..HA, HSR..CB, HSR..HB | ✆ | | 36 | 4 |
| | | HSR..R, HSR..LR | ✆ | | 40 | |
| | 30 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..CA, HSR..HA, HSR..CB, HSR..HB | UBPS 3001 AS1 | | 42 | 3 |
| | | HSR..R, HSR..LR | UBPS 3001 AS1 | PUB 30-3 | 45 | |
| | 35 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..CA, HSR..HA, HSR..CB, HSR..HB | UBPS 3501 AS1 | | 48 | 6 |
| | | HSR..R, HSR..LR | UBPS 3501 AS1 | PUB 35-7 | 55 | |
| | 45 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..CA, HSR..HA, HSR..CB, HSR..HB | UBPS 4501 AS1 | | 60 | 9 |
| | | HSR..R, HSR..LR | UBPS 4501 AS1 | PUB 45-10 | 70 | |
| | 55 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..CA, HSR..HA, HSR..CB, HSR..HB | ✆ | | 70 | |
| | | HSR..R, HSR..LR | ✆ | | 80 | |
| | 65 | HSR..A, HSR..LA, HSR..B, HSR..LB, HSR..R, HSR..LR, HSR..CA, HSR..HA, HSR..CB, HSR..HB | ✆ | | 90 | |
| NR/NRS | 25 | NR / NRS..XR, NR / NRS..XLR, NR / NRS..XA, NR / NRS..XLA, NR / NRS..XB, NR / NRS..XLB | ✆ | | 31 | |
| | 30 | NR / NRS..R, NR / NRS..LR, NR / NRS..A, NR / NRS..LA, NR / NRS..B, NR / NRS..LB | ✆ | | 38 | |
| | 35 | NR / NRS..R, NR / NRS..LR, NR / NRS..A, NR / NRS..LA, NR / NRS..B, NR / NRS..LB | UBPS 3501 BS1 | | 44 | 7 |
| | 45 | NR / NRS..R, NR / NRS..LR, NR / NRS..A, NR / NRS..LA, NR / NRS..B, NR / NRS..LB | UBPS 4501 BS1 | | 52 | 10 |
| | 55 | NR / NRS..R, NR / NRS..LR, NR / NRS..A, NR / NRS..LA, NR / NRS..B, NR / NRS..LB | ✆ | | 63 | |
| | 65 | NR / NRS..R, NR / NRS..LR, NR / NRS..A, NR / NRS..LA, NR / NRS..B, NR / NRS..LB | ✆ | | 75 | |
| SHS | 25 | SHS..C, SHS..LC, SHS..V, SHS..LV | ✆ | | 36 | |
| | | SHS..R, SHS..LR | ✆ | | 40 | |
| | 30 | SHS..C, SHS..LC, SHS..V, SHS..LV | UBPS 3001 CS1 | | 42 | 3 |
| | | SHS..R, SHS..LR | UBPS 3001 CS1 | PUB 30-3 | 45 | |
| | 35 | SHS..C, SHS..LC, SHS..V, SHS..LV | UBPS 3501 CS1 | | 48 | 6 |
| | | SHS..R, SHS..LR | UBPS 3501 CS1 | PUB 35-7 | 55 | |
| | 45 | SHS..C, SHS..LC, SHS..V, SHS..LV | UBPS 4501 CS1 | | 60 | 9 |
| | | SHS..R, SHS..LR | UBPS 4501 CS1 | PUB 45-10 | 70 | |
| | 55 | SHS..C, SHS..LC, SHS..V, SHS..LV | ✆ | | 70 | |
| | | SHS..R, SHS..LR | ✆ | | 80 | |
| | 65 | SHS..C, SHS..LC, SHS..V, SHS..LV | ✆ | | 90 | |
| SRG | 25 | SRG..C, SRG..LC | ✆ | | 36 | |
| | | SRG..R, SRG..LR | ✆ | | 40 | |
| | 30 | SRG..C, SRG..LC | UBPS 3001 ES1 | | 42 | 2 |
| | | SRG..R, SRG..LR | UBPS 3001 ES1 | PUB 30-3 | 45 | |
| | 35 | SRG..C, SRG..LC | UBPS 3501 ES1 | | 48 | 5 |
| | | SRG..R, SRG..LR | UBPS 3501 ES1 | PUB 35-7 | 55 | |
| | 45 | SRG..C, SRG..LC | UBPS 4501 ES1 | | 60 | 8 |
| | | SRG..R, SRG..LR | UBPS 4501 ES1 | PUB 45-10 | 70 | |
| | 55 | SRG..C, SRG..LC | UBPS 5501 ES1 | | 70 | 4 |
| | | SRG..R, SRG..LR | UBPS 5501 ES1 | PUB 55-10 | 80 | |
| | 65 | SRG..LC, SRG..LV | ✆ | | 90 | |

*1 Only required for high carriage design
*2 Supplements the measure table and datasheet

See page 13 for part number explanation

| Type of rail | Size | Type of carriage | Item number | Adapting plate *1 [for height compensation] | Measure D [mm] *2 | Measure table [page 56] |
|---|---|---|---|---|---|---|
| **SNR/SNS** | 25 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | ✆ | | 31 | |
| | 30 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | ✆ | | 38 | |
| | 35 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | UBPS 3501 IS1 | | 44 | 7 |
| | | SNR..CH, SNR..LCH, SNS..CH, SNS..LCH | ✆ | | 48 | |
| | | SNR..RH, SNR..LRH, SNS..RH, SNS..LRH | ✆ | | 55 | |
| | 45 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | UBPS 4501 IS1 | | 52 | 10 |
| | | SNR..CH, SNR..LCH, SNS..CH, SNS..LCH | ✆ | | 60 | |
| | | SNR..RH, SNR..LRH, SNS..RH, SNS..LRH | ✆ | | 70 | |
| | 55 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | ✆ | | 63 | |
| | | SNR..CH, SNR..LCH, SNS..CH, SNS..LCH | ✆ | | 70 | |
| | | SNR..RH, SNR..LRH, SNS..RH, SNS..LRH | ✆ | | 80 | |
| | 65 | SNR..R, SNR..LR, SNR..C, SNR..LC, SNS..R, SNS..LR, SNS..C, SNS..LC | ✆ | | 75 | |

Rail manufacturer

THK
The Mark of Linear Motion

UB

| | | | | | | |
|---|---|---|---|---|---|---|
| **1605, 1607, 1645, 1647** | 15 | 1622, 1623, 1631, 1632, 1651, 1653, 1661, 1662,1665, 1666 | ✆ | | | |
| | 20 | 1622, 1623, 1651, 1653, 1661, 1662, 1665, 1666 | ✆ | | | |
| | 25 | 1622, 1623, 1631, 1632, 1651, 1653, 1661, 1662, 1665, 1666 | UBPS 2505 AS1 | | 36 | 1 |
| | | 1621, 1624 | UBPS 2505 AS1 | PUB 25-4 | 40 | |
| | 30 | 1622, 1623, 1631, 1632, 1651, 1653, 1661, 1662, 1665, 1666 | UBPS 3005 AS1 | | 42 | 2 |
| | | 1621, 1624 | UBPS 3005 AS1 | PUB 30-3 | 45 | |
| | 35 | 1622, 1623, 1631, 1632, 1651, 1653, 1661, 1662, 1665, 1666 | UBPS 3505 AS1 | | 48 | 5 |
| | | 1621, 1624 | UBPS 3505 AS1 | PUB 35-7 | 55 | |
| | 45 | 1622, 1623, 1651, 1653 | UBPS 4505 AS1 | | 60 | 8 |
| | | 1621, 1624 | UBPS 4505 AS1 | PUB 45-10 | 70 | |
| | 55 | 1651, 1653 | UBPS 5505 AS1 | | 70 | 4 |
| | | 1621, 1624 | UBPS 5505 AS1 | PUB 55-10 | 80 | |
| **1805, 1807** | 25 | 1851, 1853 | UBPS 2505 BS1 | | 36 | 1 |
| | | 1821, 1824 | UBPS 2505 BS1 | PUB 25-4 | 40 | |
| | 35 | 1851, 1853 | UBPS 3505 BS1 | | 48 | 5 |
| | | 1821, 1824 | UBPS 3505 BS1 | PUB 35-7 | 55 | |
| | 45 | 1851, 1853 | UBPS 4505 BS1 | | 60 | 8 |
| | | 1821, 1824 | UBPS 4505 BS1 | PUB 45-10 | 70 | |
| | 55 | 1851, 1853 | UBPS 5505 BS1 | | 70 | 4 |
| | | 1821, 1824 | UBPS 5505 BS1 | PUB 55-10 | 80 | |
| | 65 | 1853, 1824 | ✆ | | 90 | |

Rail manufacturer

Rexroth
Bosch Group

| | | | | | | |
|---|---|---|---|---|---|---|
| **MR** | 25 | MR..A, MR..B | ✆ | | 36 | |
| | | MR..C, MR..D, MR..E | ✆ | | 40 | |
| | 35 | MR..A, MR..B | UBPS 3503 AS1 | | 48 | 5 |
| | | MR..C, MR..D, MR..E | UBPS 3503 AS1 | PUB 35-7 | 55 | |
| | 45 | MR..A, MR..B | ✆ | | 60 | |
| | | MR..C, MR..D | ✆ | | 70 | |
| | 55 | MR..A, MR..B | UBPS 5503 AS1 | | 70 | 4 |
| | | MR..C, MR..D | UBPS 5503 AS1 | PUB 55-10 | 80 | |
| | 65 | MR..B, MR..D | ✆ | | 90 | |

Rail manufacturer

SCHNEEBERGER

*1 Only required for high carriage design
*2 Supplements the measure table and datasheet

See page 13 for part number explanation

Rail manufacturer

IKO

| Type of rail | Size | Type of carriage | Item number | Adapting plate *1 [for height compensation] | Measure D [mm] *2 | Measure table [page 56] |
|---|---|---|---|---|---|---|
| **LWH** | 15 | LWH..B, LWH..SL, LWH..M, LWHT..B, LWHT..SL, LWHT..M, LWHS..B, LWHS..SL, LWHS..M | ✆ | | 24 | |
| | | LWHD..B, LWHD..M, LWHY | ✆ | | 28 | |
| | 20 | LWH..B, LWH..SL, LWH..M, LWHG, LWHT..B, LWHT..SL, LWHT..M, LWHTG, LWHS..B, LWHS..SL, LWHS..M, LWHSG, LWHY | ✆ | | 30 | |
| | 25 | LWH..B, LWH..SL, LWH..M, LWHG, LWHT..B, LWHT..SL, LWHT..M, LWHTG, LWHS..B, LWHS..SL, LWHS..M, LWHSG | ✆ | | 36 | |
| | | LWHD..B, LWHD..M, LWHDG, LWHY | ✆ | | 40 | |
| | 30 | LWH..B, LWH..SL, LWH..M, LWHG, LWHT..B, LWHT..SL, LWHT..M,LWHTG, LWHS..B, LWHS..SL, LWHS..M, LWHSG | UBPS 3010 AS1 | | 42 | 3 |
| | | LWHD..B, LWHD..M, LWHDG, LWHY | UBPS 3010 AS1 | PUB 30-3 | 45 | |
| | 35 | LWH..B, LWH..M, LWHG, LWHT..B, LWHT..M, LWHTG | UBPS 3510 AS1 | | 48 | 6 |
| | | LWHD..B, LWHD..M, LWHDG, LWHY | UBPS 3510 AS1 | PUB 35-7 | 55 | |
| | 45 | LWH..B, LWH..M, LWHG, LWHT..B, LWHT..M, LWHTG | ✆ | | 60 | |
| | | LWHD..B, LWHD..M, LWHDG, LWHY | ✆ | | 70 | |
| | 55 | LWH..B, LWHG, LWHT..B, LWHTG | ✆ | | 70 | |
| | | LWHD..B, LWHDG, LWHY | ✆ | | 80 | |
| | 65 | LWH..B, LWHG, LWHT..B, LWHTG, LWHD..B, LWHDG, LWHY | ✆ | | 90 | |
| **LWE** | 15 | LWE..Q, LWET..Q,LWES..Q, LWEC, LWEC..SL, LWE, LWE..SL, LWEG, LWEG..SL, LWETC, LWETC..SL, LWET, LWET..SL; LWETG, LWETG..SL, LWESC, LWESC..SL, LWES, LWES..SL,LWESG, LWESG..SL | ✆ | | 24 | |
| | 20 | LWE..Q, LWET..Q,LWES..Q, LWEC, LWEC..SL, LWE, LWE..SL, LWEG, LWEG..SL, LWETC, LWETC..SL, LWET, LWET..SL; LWETG, LWETG..SL, LWESC, LWESC..SL, LWES, LWES..SL,LWESG, LWESG..SL | ✆ | | 28 | |
| | 25 | LWE..Q, LWET..Q,LWES..Q, LWEC, LWEC..SL, LWE, LWE..SL, LWEG, LWEG..SL, LWETC, LWETC..SL, LWET, LWET..SL; LWETG, LWETG..SL, LWESC, LWESC..SL, LWES, LWES..SL,LWESG, LWESG..SL | ✆ | | 33 | |
| | 30 | LWE..Q, LWET..Q,LWES..Q, LWEC, LWEC..SL, LWE, LWE..SL, LWEG, LWEG..SL, LWETC, LWETC..SL, LWET, LWET..SL; LWETG, LWETG..SL, LWESC, LWESC..SL, LWES, LWES..SL,LWESG, LWESG..SL | UBPS 3010 DS1 | | 42 | 3 |
| | 35 | LWE..Q, LWET..Q,LWES..Q, LWEC, LWE, LWETC, LWET, LWESC, LWES | UBPS 3510 DS1 | | 48 | 6 |
| | 45 | LWE, LWET, LWES | ✆ | | 60 | |
| **LRX** | 15 | LRXC, LRX, LRXG, LRXSC, LRXS, LRXSG | ✆ | | 24 | |
| | | LRXDC, LRXD, LRXDG | ✆ | | 28 | |
| | 20 | LRXC, LRX, LRXG, LRXSC, LRXS, LRXSG | ✆ | | 30 | |
| | | LRXDC, LRXD, LRXDG | ✆ | | 34 | |
| | 25 | LRXC, LRX, LRXG | ✆ | | 36 | |
| | | LRXDC, LRXD, LRXDG | ✆ | | 40 | |
| | 30 | LRXC, LRX, LRXG | UBPS 3010 BS1 | | 42 | 2 |
| | | LRXDC, LRXD, LRXDG | UBPS 3010 BS1 | PUB 30-3 | 45 | |
| | 35 | LRXC, LRX, LRXG | UBPS 3510 BS1 | | 48 | 5 |
| | | LRXDC, LRXD, LRXDG | UBPS 3510 BS1 | PUB 35-7 | 55 | |
| | 45 | LRXC, LRX, LRXG | UBPS 4510 BS1 | | 60 | 8 |
| | | LRXDC, LRXD, LRXDG | UBPS 4510 BS1 | PUB 45-10 | 70 | |
| **ME** | 25 | MEC, ME, MEG, METC, MET, METG | ✆ | | 36 | |
| | 30 | MEC, ME, MEG, METC, MET, METG | ✆ | | 42 | |
| | 35 | MEC, ME, METC, MET | UBPS 3510 DS1 | | 48 | 6 |
| | 45 | ME, MET | ✆ | | 60 | |

*1 Only required for high carriage design
*2 Supplements the measure table and datasheet

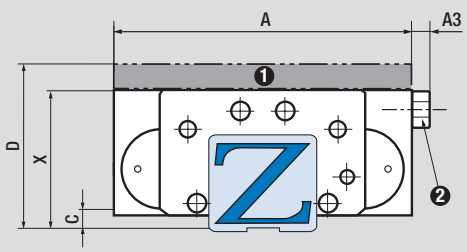
See page 13 for part number explanation

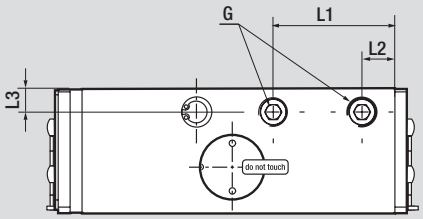
| Type of rail | Size | Type of carriage | Item number | Adapting plate *1 [for height compensation] | Measure D [mm] *2 | Measure table [page 56] |
|---|---|---|---|---|---|---|
| LH | 15 | LAH..EMZ, LAH..GMZ | ✆ | | 24 | |
| | | LAH..ANZ, LAH..BNZ | ✆ | | 28 | |
| | 20 | LAH..EMZ, LAH..GMZ, LAH..ANZ, LAH..BNZ | ✆ | | 30 | |
| | 25 | LAH..EMZ, LAH..GMZ, LAH..ALZ, LAH..BLZ | ✆ | | 36 | |
| | | LAH..ANZ, LAH..BNZ | ✆ | | 40 | |
| | 30 | LAH..EMZ, LAH..GMZ, LAH..ALZ, LAH..BLZ | UBPS 3004 BS1 | | 42 | 3 |
| | | LAH..ANZ, LAH..BNZ | UBPS 3004 BS1 | PUB 30-3 | 45 | |
| | 35 | LAH..EMZ, LAH..GMZ, LAH..ALZ, LAH..BLZ | UBPS 3504 BS1 | | 48 | 6 |
| | | LAH..ANZ, LAH..BNZ | UBPS 3504 BS1 | PUB 35-7 | 55 | |
| | 45 | LAH..EMZ, LAH..GMZ | UBPS 4504 BS1 | | 60 | 9 |
| | | LAH..ANZ, LAH..BNZ | UBPS 4504 BS1 | PUB 45-10 | 70 | |
| | 55 | LAH..EMZ, LAH..GMZ | ✆ | | 70 | |
| | | LAH..ANZ, LAH..BNZ | ✆ | | 80 | |
| | 65 | LAH..EMZ, LAH..GMZ, LAH..ANZ, LAH..BNZ | ✆ | | 90 | |
| SH | 15 | SAH..EMZ, SAH..GMZ | ✆ | | 24 | |
| | | SAH..ANZ, SAH..BNZ | ✆ | | 28 | |
| | 20 | SAH..EMZ, SAH..GMZ, SAH..ANZ, SAH..BNZ | ✆ | | 30 | |
| | 25 | SAH..EMZ, SAH..GMZ, SAH..ALZ, SAH..BLZ | ✆ | | 36 | |
| | | SAH..ANZ, SAH..BNZ | ✆ | | 40 | |
| | 30 | SAH..EMZ, SAH..GMZ, SAH..ALZ, SAH..BLZ | UBPS 3004 BS1 | | 42 | 3 |
| | | SAH..ANZ, SAH..BNZ | UBPS 3004 BS1 | PUB 30-3 | 45 | |
| | 35 | SAH..EMZ, SAH..GMZ, SAH..ALZ, SAH..BLZ | UBPS 3504 BS1 | | 48 | 6 |
| | | SAH..ANZ, SAH..BNZ | UBPS 3504 BS1 | PUB 35-7 | 55 | |
| LY | 15 | LY..EL, LY..FL, LY.. AL | ✆ | | 24 | |
| | | LY..AN | ✆ | | 28 | |
| | 20 | LY..EL, LY..FL, LY.. GL, LY.. HL, LY..AL, LY..BL | ✆ | | 30 | |
| | 25 | LY..EL, LY..FL, LY.. GL, LY.. HL, LY..AL, LY..BL | ✆ | | 36 | |
| | | LY..AN, LY..BN | ✆ | | 40 | |
| | 30 | LY..EL, LY..FL, LY.. GL, LY.. HL, LY..AL, LY..BL | UBPS 3004 CS1 | | 42 | 3 |
| | | LY..AN, LY..BN | UBPS 3004 CS1 | PUB 30-3 | 45 | |
| | 35 | LY..EL, LY..FL, LY.. GL, LY.. HL, LY..AL, LY..BL | UBPS 3504 CS1 | | 48 | 6 |
| | | LY..AN, LY..BN | UBPS 3504 CS1 | PUB 35-7 | 55 | |
| | 45 | LY..EL, LY..FL, LY.. GL, LY.. HL, LY..AL, LY..BL | UBPS 4504 CS1 | | 60 | 9 |
| | | LY..AN, LY..BN | UBPS 4504 CS1 | PUB 45-10 | 70 | |
| RA | 15 | RA..AL, RA..BL, RA..EM, RA..GM | ✆ | | 24 | |
| | | RA..AN, RA..BN | ✆ | | 28 | |
| | 20 | RA..EM, RA..GM, RA..AN, RA..BN | ✆ | | 30 | |
| | 25 | RA..AL, RA..BL, RA..EM, RA..GM | ✆ | | 36 | |
| | | RA..AN, RA..BN | ✆ | | 40 | |
| | 30 | RA..AL, RA..BL, RA..EM, RA..GM | ✆ | | 42 | |
| | | RA..AN, RA..BN | ✆ | | 45 | |
| | 35 | RA..AL, RA..BL, RA..EM, RA..GM | UBPS 3504 FS1 | | 48 | 5 |
| | | RA..AN, RA..BN | UBPS 3504 FS1 | PUB 35-7 | 55 | |
| | 45 | RA..AL, RA..BL, RA..EM, RA..GM | UBPS 4504 FS1 | | 60 | 8 |
| | | RA..AN, RA..BN | UBPS 4504 FS1 | PUB 45-10 | 70 | |
| | 55 | RA..AL, RA..BL, RA..EM, RA..GM | ✆ | | 70 | |
| | | RA..AN, RA..BN | ✆ | | 80 | |
| | 65 | RA..EM, RA..GM, RA..AN, RA..BN | ✆ | | 90 | |
| LS | 15 | LAS..KLZ, LAS..JMZ, LAS..EMZ, LAS..CLZ, LAS..ALZ | ✆ | | 24 | |
| | 20 | LAS..KLZ, LAS..JMZ, LAS..EMZ, LAS..CLZ, LAS..ALZ | ✆ | | 28 | |
| | 25 | LAS..KLZ, LAS..JMZ, LAS..EMZ, LAS..CLZ, LAS..ALZ | ✆ | | 33 | |
| | 30 | LAS..KLZ, LAS..FLZ, LAS..ELZ, LAS..CLZ, LAS..ALZ | UBPS 3004 AS1 | | 42 | 3 |
| | 35 | LAS..KLZ, LAS..FLZ, LAS..ELZ, LAS..CLZ, LAS..ALZ | UBPS 3504 AS1 | | 48 | 6 |
| SS | 15 | SAS..KLZ, SAS..EMZ, SAS..CLZ, SAS..ALZ | ✆ | | 24 | |
| | 20 | SAS..KLZ, SAS..EMZ, SAS..CLZ, SAS..ALZ | ✆ | | 28 | |
| | 25 | SAS..KLZ, SAS..EMZ, SAS..CLZ, SAS..ALZ | ✆ | | 33 | |
| | 30 | SAS..KLZ, SAS..EMZ, SAS..CLZ, SAS..ALZ | UBPS 3004 AS1 | | 42 | 3 |
| | 35 | SAS..KLZ, SAS..EMZ, SAS..CLZ, SAS..ALZ | UBPS 3504 AS1 | | 48 | 6 |

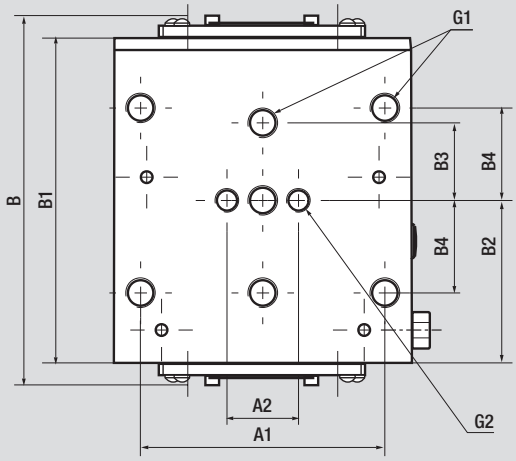
*1 Only required for high carriage design
*2 Supplements the measure table and datasheet

See page 13 for part number explanation

# UB




**Note:** Consider measurement C!

Comment:
The air filter is not necessary if the PLUS-connection is being used. Air connections are located on both sides and can be exchanged according to mounting requirements. Only one connection is necessary for function.

1. Adapter plate PUB (accessory)
2. air filter

| Measure table | Holding power [N] UB | Holding power [N] UB [PLUS] | A [mm] | A1 [mm] | A2 [mm] | A3 [mm] | B [mm] | B1 [mm] | B2 [mm] | B3 [mm] | B4 [mm] | C | X [mm] | G | G1 | G2 | L1 [mm] | L2 [mm] | L3 [mm] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.850 | 2.650 | 70 | 57 | 20 | 5 | max.123 | 99 | 49,5 | 20 | 22,5 | 5 | 36 | M5 | M8/7 | M6/7 | 34,3 | 11 | 6,5 |
| 2 | 2.500 | 3.300 | 90 | 72 | 22 | 5 | max.134 | 109 | 54,5 | 22 | 26 | 5 | 42 | M5 | M10/8 | M8/8 | 40,8 | 11 | 6,5 |
| 3 | 1.850 | 2.650 | 90 | 72 | 22 | 5 | max.134 | 109 | 54,5 | 22 | 26 | 5 | 42 | M5 | M10/8 | M8/8 | 40,8 | 11 | 6,5 |
| 4 | 7.700 | 9.200 | 140 | 116 | - | 6 | max.158 | 139 | 69,5 | 35 | 47,5 | 10 | 70 | 1/8“ | M14/14 | - | 65 | 37,5 | 12 |
| 5 | 2.800 | 3.800 | 100 | 82 | 24 | 6 | max.136 | 108 | 54,5 | 26 | 31 | 6 | 48 | 1/8“ | M10/10 | M8/10 | 40,8 | 11 | 8 |
| 6 | 2.500 | 3.300 | 100 | 82 | 24 | 6 | max.134 | 108 | 54,5 | 26 | 31 | 6 | 48 | 1/8“ | M10/10 | M8/10 | 40,8 | 11 | 8 |
| 7 | 2.500 | 3.300 | 100 | - | 24 | 6 | max.124 | 109 | 54,5 | - | 31 | 5,5 | 44 | 1/8“ | M10/10 | M8/10 | 40,8 | 11 | 7 |
| 8 | 3.700 | 4.800 | 120 | 100 | 26 | 6 | max.141 | 117 | 58,5 | 30 | 40 | 8 | 60 | 1/8“ | M12/12 | M10/12 | 48,8 | 31,5 | 12 |
| 9 | 2.800 | 3.800 | 120 | 100 | 26 | 6 | max.130 | 109 | 54,5 | 30 | 40 | 8 | 60 | 1/8“ | M12/12 | M10/12 | 45 | 28 | 8 |
| 10 | 2.800 | 3.800 | 120 | - | 26 | 6 | max.130 | 109 | 54,5 | 40 | - | 7 | 52 | 1/8“ | M12/12 | M10/12 | 84 | 25 | 7 |

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