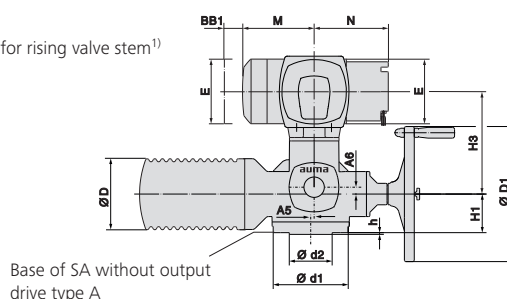
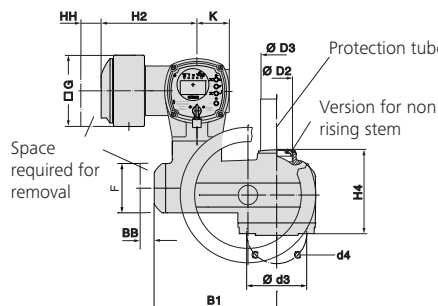


## Dimensions Multi-turn actuators with ACExC actuator controls (also for fieldbus &amp; HART)

## Ex plug/socket connector with terminal block (KT/KM)

## Standard:

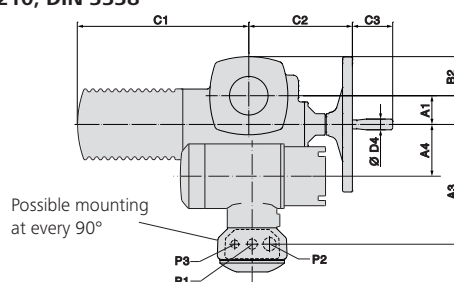
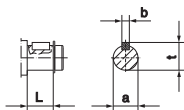
KT-Ex e with push-in connection



## Valve attachments according to EN ISO 5210, DIN 3210, DIN 3338

For dimensions see overleaf

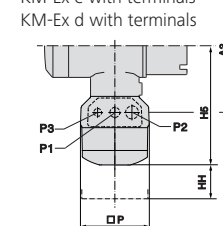
## Handwheel shaft



## Option:

KT-Ex d with push-in connection

KM-Ex e with terminals



1) On explicit order only

2) Standard, other threads on request

| Dimensions             | SAEx 07.2<br>SAREx 07.2 |          | SAEx 07.6<br>SAREx 07.6 |          | SAEx 10.2<br>SAREx 10.2 | SAEx 14.2<br>SAREx 14.2 | SAEx 14.6<br>SAREx 14.6 | SAEx 16.2<br>SAREx 16.2 |
|------------------------|-------------------------|----------|-------------------------|----------|-------------------------|-------------------------|-------------------------|-------------------------|
| EN ISO 5210 (DIN 3210) | F07                     | F10 (G0) | F07                     | F10 (G0) | F10 (G0)                | F14 (G1/2)              | F14 (G1/2)              | F16 (G3)                |
| A1                     | 40                      |          | 40                      |          | 50                      | 67                      | 67                      | 80                      |
| A3                     | 261                     |          | 261                     |          | 261                     | 277                     | 277                     | 282                     |
| A4                     | 103                     |          | 103                     |          | 103                     | 119                     | 119                     | 123.5                   |
| A5                     | —                       |          | —                       |          | —                       | 8                       | 8                       | 15                      |
| A6                     | —                       |          | —                       |          | —                       | 16                      | 16                      | 20                      |
| B1                     | 245                     |          | 245                     |          | 255                     | 293                     | 293                     | 311                     |
| B2                     | 62                      |          | 62                      |          | 65                      | 90                      | 90                      | 117                     |
| C1                     | 268                     |          | 268                     |          | 283                     | 389                     | 389                     | 432                     |
| C2                     | 186                     |          | 186                     |          | 191                     | 242                     | 245                     | 271                     |
| C3                     | 63                      |          | 63                      |          | 63                      | 94                      | 94                      | 94                      |
| Ø D                    | 104                     |          | 104                     |          | 124                     | 155                     | 155                     | 192                     |
| Ø D1                   | 160                     |          | 160                     |          | 200                     | 315                     | 400                     | 500                     |
| Ø D2                   | G 1 1/4"                |          | G 1 1/4"                |          | G 2"                    | G 2 1/2"                | G 2 1/2"                | G 3"                    |
| Ø D3                   | 42 x 3.3                |          | 42 x 3.3                |          | 60 x 3.7                | 76 x 3.7                | 76 x 3.7                | 89 x 4.1                |
| Ø D4                   | 20                      |          | 20                      |          | 20                      | 25                      | 25                      | 25                      |
| E                      | 154                     |          | 154                     |          | 154                     | 154                     | 154                     | 154                     |
| F                      | 115                     |          | 115                     |          | 115                     | 115                     | 115                     | 115                     |
| □ G                    | 166                     |          | 166                     |          | 166                     | 166                     | 166                     | 166                     |
| H1                     | 78                      |          | 78                      |          | 80                      | 90                      | 90                      | 110                     |
| H2                     | 223                     |          | 223                     |          | 223                     | 223                     | 223                     | 223                     |
| H3                     | 235                     |          | 235                     |          | 235                     | 251                     | 251                     | 255                     |
| H4                     | 160                     |          | 160                     |          | 170                     | 196                     | 196                     | 235                     |
| H5                     | 282                     |          | 282                     |          | 282                     | 282                     | 282                     | 282                     |
| K                      | 78                      |          | 78                      |          | 78                      | 78                      | 78                      | 78                      |
| L                      | 20                      |          | 20                      |          | 24                      | 38.8                    | 45.8                    | 45.8                    |
| M                      | 199                     |          | 199                     |          | 199                     | 199                     | 199                     | 199                     |
| N                      | 171                     |          | 171                     |          | 171                     | 171                     | 171                     | 171                     |
| □ P                    | 170                     |          | 170                     |          | 170                     | 170                     | 170                     | 170                     |
| P1 <sup>2)</sup>       | M25 x 1.5               |          | M25 x 1.5               |          | M25 x 1.5               | M25 x 1.5               | M25 x 1.5               | M25 x 1.5               |
| P2 <sup>2)</sup>       | M32 x 1.5               |          | M32 x 1.5               |          | M32 x 1.5               | M32 x 1.5               | M32 x 1.5               | M32 x 1.5               |
| P3 <sup>2)</sup>       | M20 x 1.5               |          | M20 x 1.5               |          | M20 x 1.5               | M20 x 1.5               | M20 x 1.5               | M20 x 1.5               |
| BB min.                | 180                     |          | 180                     |          | 180                     | 180                     | 180                     | 180                     |
| BB1 min.               | 75                      |          | 75                      |          | 75                      | 75                      | 75                      | 75                      |
| HH min.                | 50                      |          | 50                      |          | 50                      | 50                      | 50                      | 50                      |
| Ø a                    | 20 d7                   |          | 20 d7                   |          | 20 d7                   | 30 d7                   | 30 d7                   | 30 d7                   |
| b                      | 6                       |          | 6                       |          | 6                       | 8                       | 8                       | 8                       |
| Ø d1                   | 90                      | 125      | 90                      | 125      | 125                     | 175                     | 175                     | 210                     |
| Ø d2 f12               | 55                      | 70 (60)  | 55                      | 70 (60)  | 70 (60)                 | 100                     | 100                     | 130                     |
| Ø d3                   | 70                      | 102      | 70                      | 102      | 102                     | 140                     | 140                     | 165                     |
| d4                     | 4 x M8                  | 4 x M10  | 4 x M8                  | 4 x M10  | 4 x M10                 | 4 x M16                 | 4 x M16                 | 4 x M20                 |
| h                      | 3                       |          | 3                       |          | 3                       | 4                       | 4                       | 5                       |
| t                      | 22.5                    |          | 22.5                    |          | 22.5                    | 33                      | 33                      | 33                      |

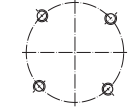
We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

## Dimensions Valve attachments according to EN ISO 5210, DIN 3338, DIN 3210

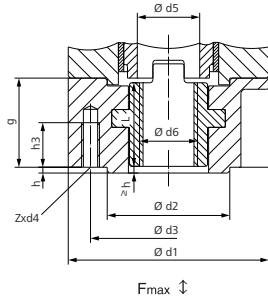
### Stem nut

Type

EN ISO 5210 **A**  
DIN 3210 **A**



### Arrangement of holes d4



### Special bores

|                                          |              |    |    |    |    |            |
|------------------------------------------|--------------|----|----|----|----|------------|
| Bore with keyway according to DIN 6885-1 | Ø d6 H9 max. | 22 | 38 | 38 | 57 | 70         |
| Square                                   | SW max.      | 20 | 32 | 32 | 42 | on request |
| Hexagon                                  | SW max.      | 22 | 32 | 32 | 48 | on request |

**Output drive sleeve <sup>3)</sup>**

Type

EN ISO 5210 **B1** d=d7 (b7/t7)

DIN 3210    **B**    **d**=d7 (b7/t7)

EN ISO 5210 **B2** <sup>1)</sup> d10 max. < **d** < d7

EN ISO 5210 **B3**  $d = d_{10} (b_{10}/t_{10})$

DIN 3210      **E**      **d** = d<sub>10</sub> (b<sub>10</sub>/t<sub>10</sub>)

EN ISO 5210 **B4**<sup>1)</sup>  $d \leq d_{10} \text{ max.}$

For missing dimensions, refer to type A

### Special bores

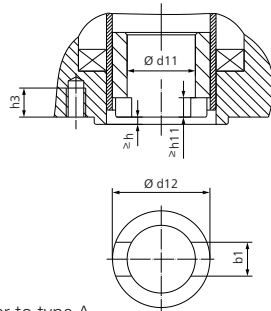
|         |         |    |    |    |    |            |
|---------|---------|----|----|----|----|------------|
| Square  | SW max. | 22 | 30 | 30 | 45 | 60         |
| Hexagon | SW max. | 24 | 32 | 32 | 50 | on request |

### Dog coupling <sup>3)</sup>

Type

EN ISO 5210 **C**=d11

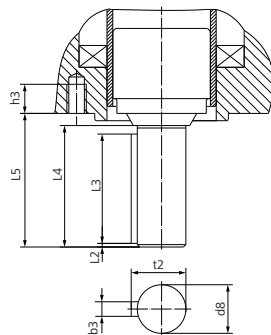
DIN 3338      **C**=d11



For missing dimensions, refer to type A

**Shaft end**

Type

EN ISO 5210 **D**DIN 3210 **D**

For missing dimensions,  
refer to type A

| SA.../SAR... |          | 07.2/07.6 |      |    | 10.2 |    | 14.2/14.6 |      | 16.2       |    |
|--------------|----------|-----------|------|----|------|----|-----------|------|------------|----|
| EN ISO 5210  | DIN 3210 | F07       | F10  | G0 | F10  | G0 | F14       | G1/2 | F16        | G3 |
| Ø d7 H9      |          | 28        | 42   |    | 42   |    | 60        |      | 80         |    |
| b7 JS9       |          | 8         | 12   |    | 12   |    | 18        |      | 22         |    |
| t7           |          | 31.3      | 45.3 |    | 45.3 |    | 64.4      |      | 85.4       |    |
| Ø d10 H9     |          | 16        | 20   |    | 20   |    | 30        |      | 40         |    |
| b10 JS9      |          | 5         | 6    |    | 6    |    | 8         |      | 12         |    |
| t10          |          | 18.3      | 22.8 |    | 22.8 |    | 33.3      |      | 43.3       |    |
| Ø d10 max.   |          | 25        | 35   |    | 35   |    | 45        |      | 60         |    |
| h3           |          | 12        | 13   |    | 15   |    | 25        |      | 30         |    |
| L1           |          | 35        | 45   |    | 45   |    | 65        |      | 80         |    |
|              |          |           |      |    |      |    |           |      |            |    |
| SW max.      |          | 22        | 30   |    | 30   |    | 45        |      | 60         |    |
| SW max.      |          | 24        | 32   |    | 32   |    | 50        |      | on request |    |

| SA.../SAR... |          | 07.2/07.6        |                     |    | 10.2 |    | 14.2/14.6 |      | 16.2 |    |
|--------------|----------|------------------|---------------------|----|------|----|-----------|------|------|----|
| EN ISO 5210  | DIN 3210 | F07              | F10                 | G0 | F10  | G0 | F14       | G1/2 | F16  | G3 |
| b1 H11       |          | 14 <sup>4)</sup> | 14                  |    | 14   |    | 20        |      | 24   |    |
| Ø d11 H11    |          | 28 <sup>4)</sup> | 28                  |    | 28   |    | 38        |      | 47   |    |
| Ø d11 min.   |          | –                | 20                  |    | 20   |    | 30        |      | 40   |    |
| Ø d11 max.   |          | –                | 42 <sup>2) 6)</sup> |    | 42   |    | 60        |      | 80   |    |
| Ø d12        |          | 36.8             | 51.8                |    | 51.8 |    | 73.8      |      | 98   |    |
| h3           |          | 12               | 13                  |    | 15   |    | 25        |      | 30   |    |
| h11          |          | 7 <sup>4)</sup>  | 7                   |    | 7    |    | 8         |      | 10   |    |
|              |          |                  |                     |    |      |    |           |      |      |    |

| SA.../SAR... |          | 07.2/07.6 |     |    | 10.2 |    | 14.2/14.6 |      | 16.2 |    |
|--------------|----------|-----------|-----|----|------|----|-----------|------|------|----|
| EN ISO 5210  | DIN 3210 | F07       | F10 | G0 | F10  | G0 | F14       | G1/2 | F16  | G3 |
| Ø d8 g6      |          | 20        |     |    | 20   |    | 30        |      | 40   |    |
| b3 h9        |          | 6         |     |    | 6    |    | 8         |      | 12   |    |
| h3           |          | 12        | 13  |    | 15   |    | 25        |      | 30   |    |
| L2           |          | 1.5       |     |    | 1.5  |    | 2         |      | 3    |    |
| L3           |          | 45        |     |    | 45   |    | 63        |      | 80   |    |
| L4           |          | 50        |     |    | 50   |    | 70        |      | 90   |    |
| L5           |          | 55        |     |    | 55   |    | 76        |      | 97   |    |
| t2           |          | 22.5      |     |    | 22.5 |    | 33        |      | 43   |    |
| Weight kg    |          | 0.4       |     |    | 0.7  |    | 2         |      | 4.3  |    |
|              |          |           |     |    |      |    |           |      |      |    |

- 1) Dimensions b, t depend on  $\varnothing d$ , refer to DIN 6885-1
- 2) For rising valve stem  $\varnothing d11$  max.=  $\varnothing d5$  of type A
- 3) Weight included in actuator
- 4) Dimensions neither complying with EN ISO 5210 nor with DIN 3338
- 5) Nominal diameter for trapezoidal thread Tr according to DIN 103 or ACME according to ANSI/ASME B 1.5
- 6) For stem protection tube made of PMMA max. Tr 30 or ACME 1½"

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