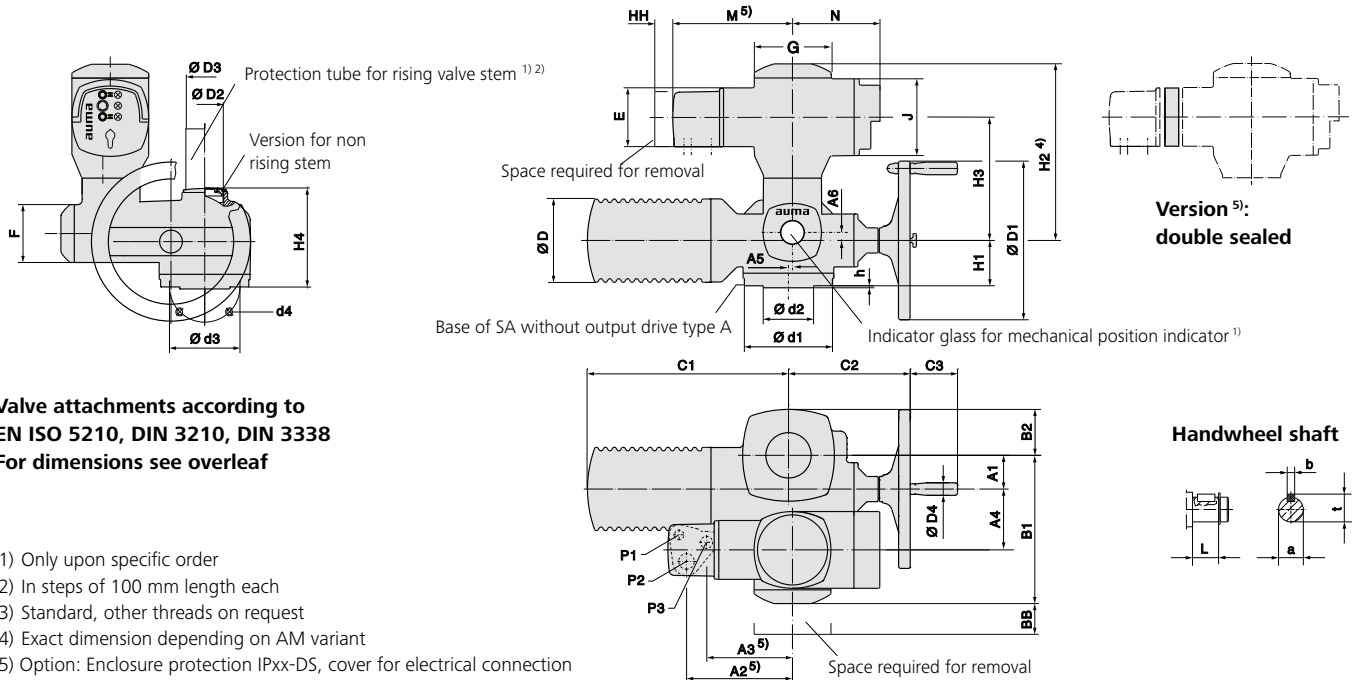


Dimensions Multi-turn actuators with 3-phase AC motor and AM integral controls

with AUMA plug/socket connector



Valve attachments according to EN ISO 5210, DIN 3210, DIN 3338 For dimensions see overleaf

- 1) Only upon specific order
- 2) In steps of 100 mm length each
- 3) Standard, other threads on request
- 4) Exact dimension depending on AM variant
- 5) Option: Enclosure protection IPxx-DS, cover for electrical connection with additional frame

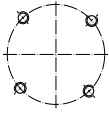
Dimensions	SA 07.2/AM 01.1		SA 07.6/AM 01.1		SA 10.2/AM 01.1	SA 14.2/AM 02.1	SA 14.6/AM 02.1	SA 16.2/AM 02.1
	SAR 07.2/AM 01.1	SAR 07.6/AM 01.1	SAR 07.6/AM 01.1	SAR 10.2/AM 01.1	SAR 10.2/AM 01.1	SAR 14.2/AM 02.1	SAR 14.6/AM 02.1	SAR 16.2/AM 02.1
EN ISO 5210 (DIN3210)	F07	F10 (G0)	F07	F10 (G0)	F10 (G0)	F14 (G1/2)	F14 (G1/2)	F16 (G3)
A1	40		40		50	67	67	80
A2 5)	199 (226 5)		199 (226 5)		199 (226 5)	209 (236 5)	209 (236 5)	209 (236 5)
A3 5)	159 (186 5)		159 (186 5)		159 (186 5)	169 (196 5)	169 (196 5)	169 (196 5)
A4	103		103		103	119	119	123.5
A5	-		-		-	8	8	15
A6	-		-		-	16	16	20
B1	238		238		248	286	286	303
B2	62		62		65	90	90	117
C1	265		265		283	389	389	430
C2	186		186		191	242	245	271
C3	63		63		63	94	94	94
Ø D	101		101		121	153	153	190
Ø D1	160		160		200	315	400	500
Ø D2	G 1¼"		G 1¼"		G 2"	G 2½"	G 2½"	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	115		115		115	115	115	115
F	115		115		115	115	115	115
G	150		150		150	150	150	150
H1	78		78		80	90	90	110
H2 4)	337		337		337	408	408	412
H3	232		232		232	248	248	252
H4	160		160		170	196	196	235
J	150		150		150	150	150	150
L	20		20		24	38.8	45.8	45.8
M 5)	235 (262 5)		235 (262 5)		235 (262 5)	235 (262 5)	235 (262 5)	235 (262 5)
N	171		171		171	171	171	171
P1 3)	M20 x 1.5		M20 x 1.5		M20 x 1.5	M20 x 1.5	M20 x 1.5	M20 x 1.5
P2 3)	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 3)	M25 x 1.5		M25 x 1.5		M25 x 1.5	M25 x 1.5	M25 x 1.5	M25 x 1.5
BB min.	180		180		180	180	180	180
HH min.	30		30		30	30	30	30
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.

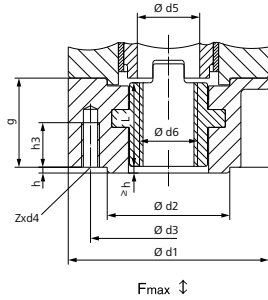
Dimensions Valve attachments according to EN ISO 5210, DIN 3338, DIN 3210

Stem nut

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



Arrangement of holes d4



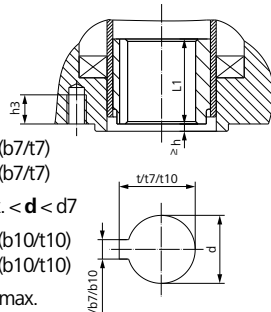
SA.../SAR...	07.2/07.6			10.2		14.2/14.6		16.2			
	EN ISO 5210	DIN 3210	F07	F10	G0	F10	G0	F14	G1/2	F16	G3
F max. kN			40	70		70		160		250	
Ø d1			90	125		125		175		210	
Ø d2			55	70	60	70	60	100		130	
Ø d3			70	102		102		140		165	
d4			M8	M10		M10		M16		M20	
Ø d5				36		44		62		80	
Ø d6 max. 5)			Tr 26	Tr 32 ⁶⁾		Tr 40		Tr 55		Tr 75	
			ACME 1"	ACME 1¼"		ACME 1½"		ACME 2¼"		ACME 3"	
g			40	50		50		65		80	
h				3		3		4		5	
h3			12	15		15		25		35	
L			37.5	47.5		47.5		61.5		76.5	
Z				4		4		4		4	
Weight kg			1.1	2.8		2.8		6.8		11.7	
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	

Special bores

Output drive sleeve³⁾

Type

EN ISO 5210 **B1** d = d7 (b7/t7)
DIN 3210 **B** d = d7 (b7/t7)
EN ISO 5210 **B2**¹⁾ d10 max. < d < d7
EN ISO 5210 **B3** d = d10 (b10/t10)
DIN 3210 **E** d = d10 (b10/t10)
EN ISO 5210 **B4**¹⁾ d ≤ d10 max.



For missing dimensions, refer to type A

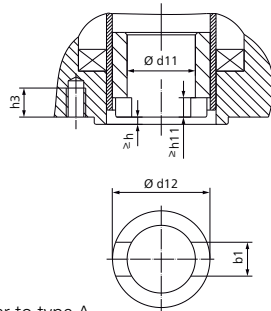
Special bores

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

Dog coupling³⁾

Type

EN ISO 5210 **C** = d11
DIN 3338 **C** = d11



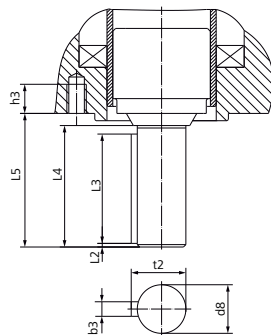
For missing dimensions, refer to type A

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
b1 H11			14 ⁴⁾	14		14		20		24	
Ø d11 H11			28 ⁴⁾	28		28		38		47	
Ø d11 min.			–	20		20		30		40	
Ø d11 max.			–	42 ^{2) 6)}		42		60		80	
Ø d12			36.8	51.8		51.8		73.8		98	
h3			12	13		15		25		30	
h11			7 ⁴⁾	7		7		8		10	

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 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 Ø d, refer to DIN 6885-1

2) For rising valve stem Ø d11 max. = Ø 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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