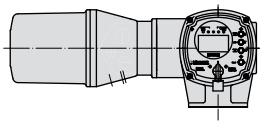
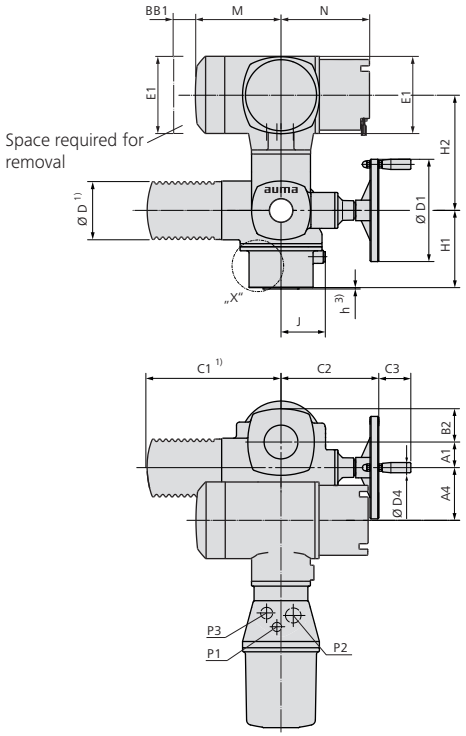
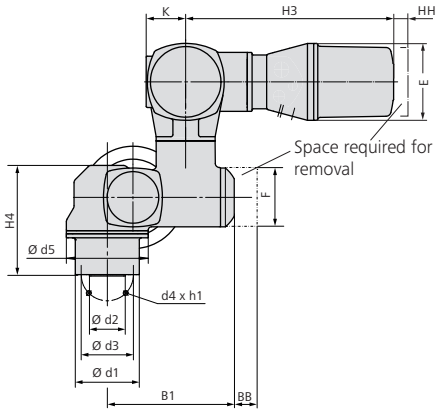
Dimensions Part-turn actuators with ACExC actuator controls (also for fieldbus & HART)

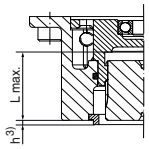
With AUMA 3-phase AC motor and Ex plug/socket connector with terminal blocks (KES)







Detail X



1) Exact dimension depending on motor used
2) Standard, other threads on request
3) Allowance for spigot is not available as standard.
   The spigot ring is a separate component, available as option
4) Combined flange F05/F07 without spigot (standard).
   As an alternative an individual flange F07 can be ordered with spigot

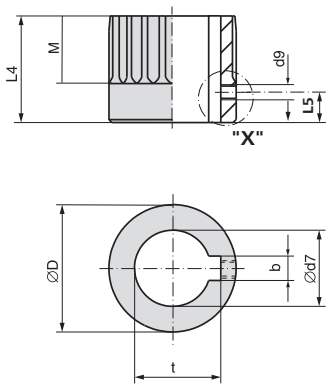
Output drives according to EN ISO 5211
For dimensions see overleaf

Dimensions	SQEx 05.2/ACExC 01.2		SQEx 07.2/ACExC 01.2			SQEx 10.2/ACExC 01.2		SQEx 12.2/ACExC 01.2		SQEx 14.2/ACExC 01.2	
EN ISO 5211	F05 4)	F07 4)	F05 4)	F07 4)	F10	F10	F12	F12	F14	F14	F16
A1	40					50		50		50	
A4	103					103		103		103	
B1	245					255		255		255	
B2	50					65		65		65	
C1 1)	268					268		268		268	
C2	186					191		191		191	
C3	63					63		63		63	
Ø D 1)	104					104		104		104	
Ø D1	160					200		200		200	
Ø D4	20					20		20		20	
E	150					150		150		150	
E1	154					154		154		154	
F	115					115		115		115	
H1	134		134		160	151	183	175	215	210	260
H2	235					235		235		235	
H3	404					404		404		404	
H4	193		193		218	214	246	238	278	273	323
J	69					86		109		128	
K	78					78		78		78	
L max.	40		40		66	50	82	61	101	75	125
M	199					199		199		199	
N	171					171		171		171	
P1 2)	M20 x 1.5					M20 x 1.5		M20 x 1.5		M20 x 1.5	
P2 2)	M32 x 1.5					M32 x 1.5		M32 x 1.5		M32 x 1.5	
P3 2)	M25 x 1.5					M25 x 1.5		M25 x 1.5		M25 x 1.5	
BB min.	180					180		180		180	
BB1 min.	75					75		75		75	
HH min.	130					130		130		130	
Ø d1	90		90		125	125	150	150	175	175	210
Ø d2	–		–		70	70	85	85	100	100	130
Ø d3	50	70	50	70	102	102	125	125	140	140	165
d4	4 x M6	4 x M8	4 x M6	4 x M8	4 x M10	4 x M10	4 x M12	4 x M12	4 x M16	4 x M16	4 x M20
Ø d5	125					160		210		225	
h 3)	–		–		2.5	2.5		2.5	3.5	3.5	4.5
h1	12	15	12	15	16	18	19	22	25	29	32

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

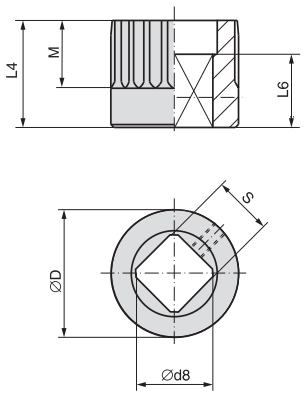
Dimensions Couplings according to EN ISO 5211

Bore according to EN ISO 5211 with keyway according to DIN 6885-1



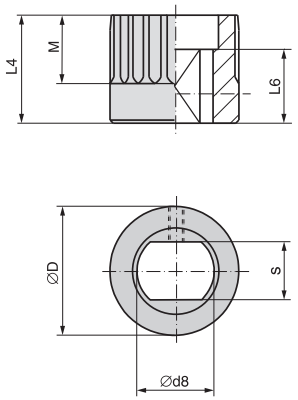
SQ../SQR..	05.2		07.2		10.2		12.2		14.2	
EN ISO 5211	F05	F07	F07	F10	F10	F12	F12	F14	F14	F16
Ø D	41.75		41.75		51.75		67.6		81.6	
b JS9 [1]	6		6		8		10		14	
Ø d7 H8 [2]	18		22		28		36		48	
Ø d7 max.	25.4		25.4		38		50		60	
d9 [3]	M5		M5		M6		M6		M6	
L4	35		35	60	45	75	55	95	65	115
L5 [3]	8		8		10		10		10	
M	20		20		30		40		47	40
t [1]	20.8		24.8		31.3		39.3		51.8	

Square bore according to EN ISO 5211



SQ../SQR..	05.2		07.2		10.2		12.2		14.2	
EN ISO 5211	F05	F07	F07	F10	F10	F12	F12	F14	F14	F16
Ø D	41.75		41.75		51.75		67.6		81.6	
Ø d8 min. [2]	18.1		22.2		28.2		36.2		48.2	
Ø d8 max.	28.2		28.2		40.2 [4]		48.2		60.2	
L4	35		35	60	45	75	55	95	65	115
L6 min.	30		30		30		30		40	
M	20		20		30		40		47	40
s H11 [2]	14		17		22		27		36	
s H11 max.	22		22		30 [4]		36		46	

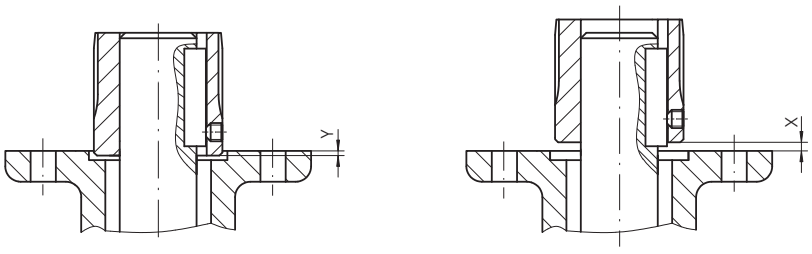
Two-flat according to EN ISO 5211



SQ../SQR..	05.2		07.2		10.2		12.2		14.2	
EN ISO 5211	F05	F07	F07	F10	F10	F12	F12	F14	F14	F16
Ø D	41.75		41.75		51.75		67.6		81.6	
Ø d8 min. [2]	18.1		22.2		28.2		36.2		48.2	
Ø d8 max.	28.2		28.2		36.2		48.2 (48 [5])		60.2	
L4	35		35	60	45	75	55	95	65	115
L6 min.	25		25		25		30		40	
M	20		20		30		40		47	40
s H11 [2]	14		17		22		27		36	
s H11 max.	22		22		27		36 (41 [5])		46	

Mounting position of the coupling within fitting dimensions according to AUMA definition

X max.	3	4	5	8
Y max.	2	5	10	10



1) Dimensions depend on Ø d7, refer to DIN 6885-1
2) Recommended size according to EN ISO 5211
3) Thread with grub screw
4) According to DIN 79
5) According to DIN 475