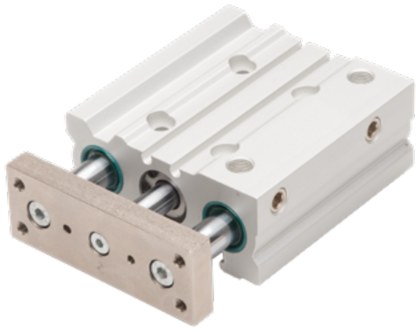
Series LXA
guide unit, double acting

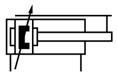
Technical details

Operating pressure	1 ... 10 bar
Temperature range	-20°C ... +80°C (-10°C...+150°C with FKM-seals)
Operating speed	50 ... 500 mm/s
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Alternatively the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Profile: Al (anodized) Flange plate: Steel (nickel plated) Piston rod: steel hard chrome plated (optional 1.4301) Guide rod: steel hard chrome plated (optional 1.4301) Seals: PU, NBR (optional FKM)

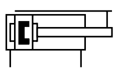


Double acting pneumatic cylinder with magnetic piston and built-in cushioning rings. The sensors can be installed directly into the sensor grooves of the Al-profile.
The integrated cylinder and guide unit ensures precise and accurate movement.
Standard stroke lengths in table below, additional lengths on request.

Versions



-0**
double acting, adjustable cushioning, with magnetic piston, guide unit



-2**
double acting, built-in cushioning rings, with magnetic piston, guide unit

Order code

LXA-*-*-***-*****

Series	
LXA	

Guide	
G	bronze bearings
K	ball bearings

Piston Ø	
016	16 mm
020	20 mm
025	25 mm
032	32 mm
040	40 mm
050	50 mm
063	63 mm

Stroke (mm)	
XXX	max. 200 mm
Standard	see dimensions

Cushioning	
0	adjustable cushioning
2	built-in cushioning rings

Materials	
0	piston rod and guide rods stainless steel
5	piston rod and guide rods steel, hard chrome plated

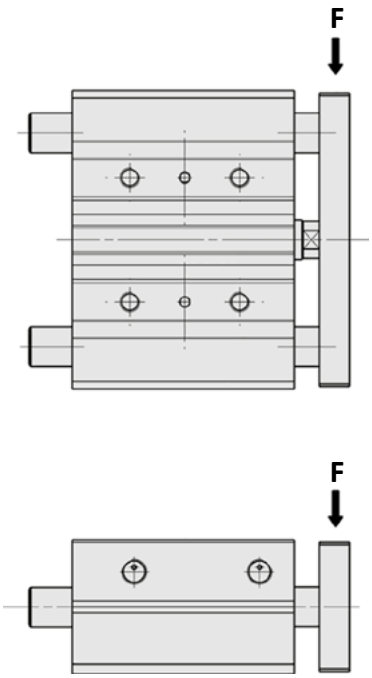
Seals	
0	piston rod seal PU, other seals NBR
2	all seals FKM
4	piston rod seal FKM, other seals NBR

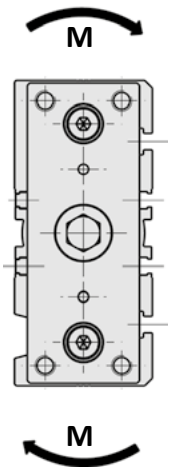
Technical data

Model-no.:		LXA-016-...	LXA-020-...	LXA-025-...	LXA-032-...	LXA-040-...	LXA-050-...	LXA-063-...
Piston Ø (mm)		16	20	25	32	40	50	63
Force at 6 bar (N)	**Extension**	109	170	265	434	678	1060	1682
	Retraction	81	127	204	326	570	890	1513
Connection		M5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4

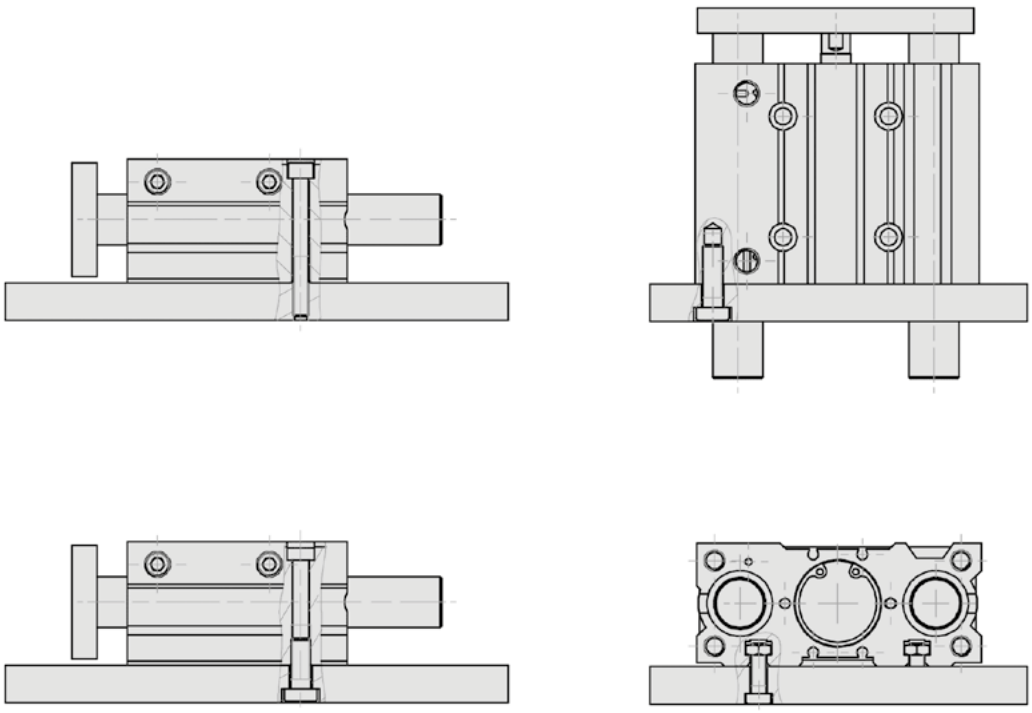
Series LXA
guide unit, double acting

Technical information

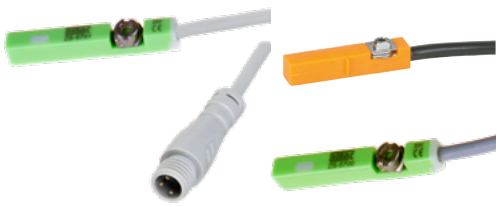




Mounting examples



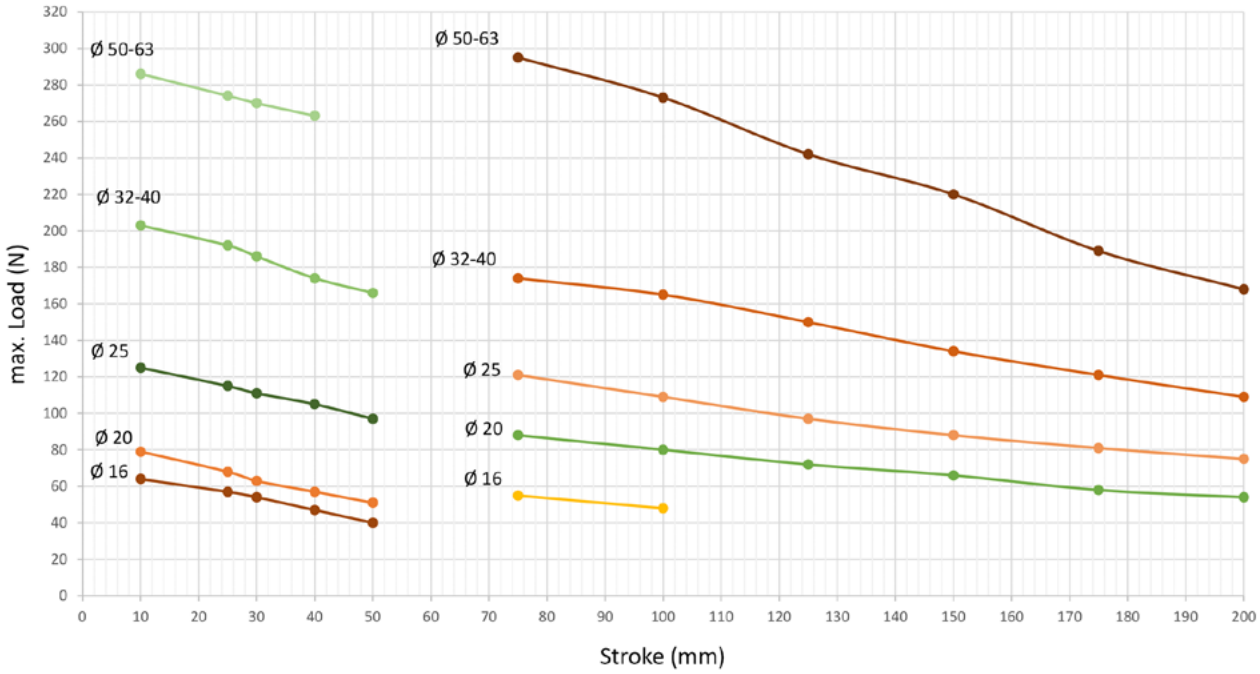
Proximity sensors



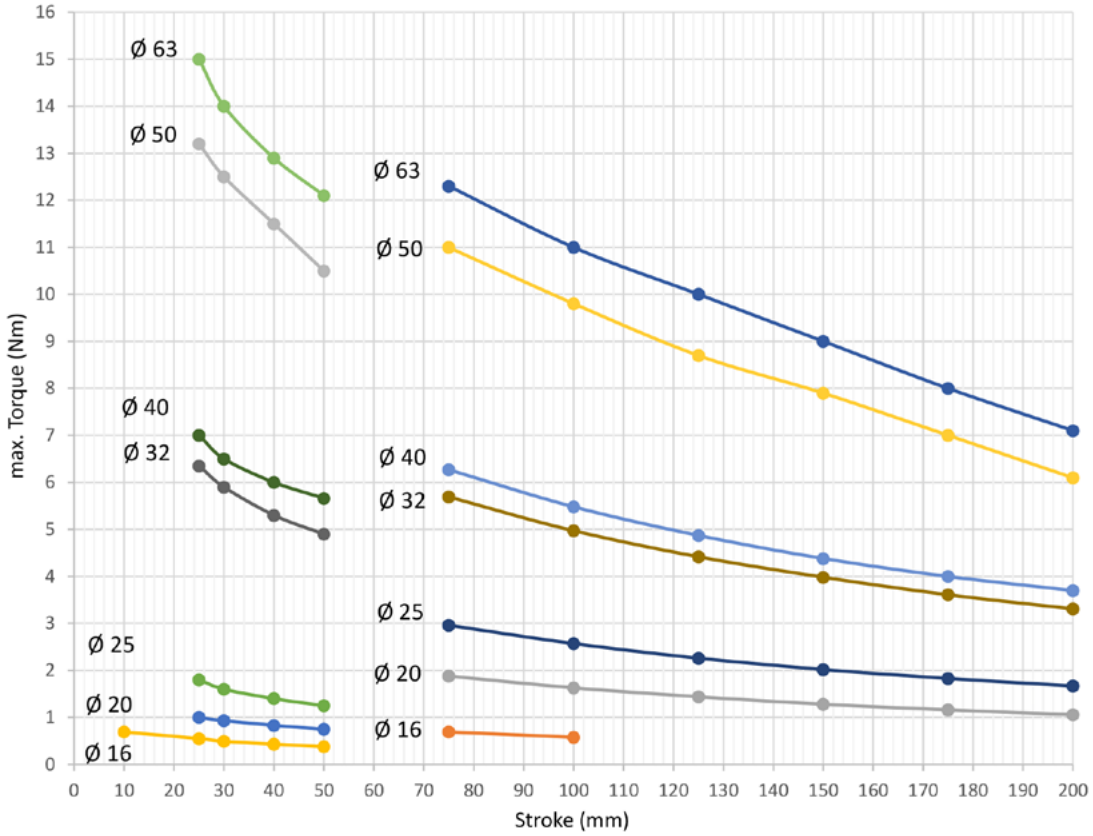
page 15

Technical information

Maximal Load F (N) LXA-G, version with built-in cushioning rings



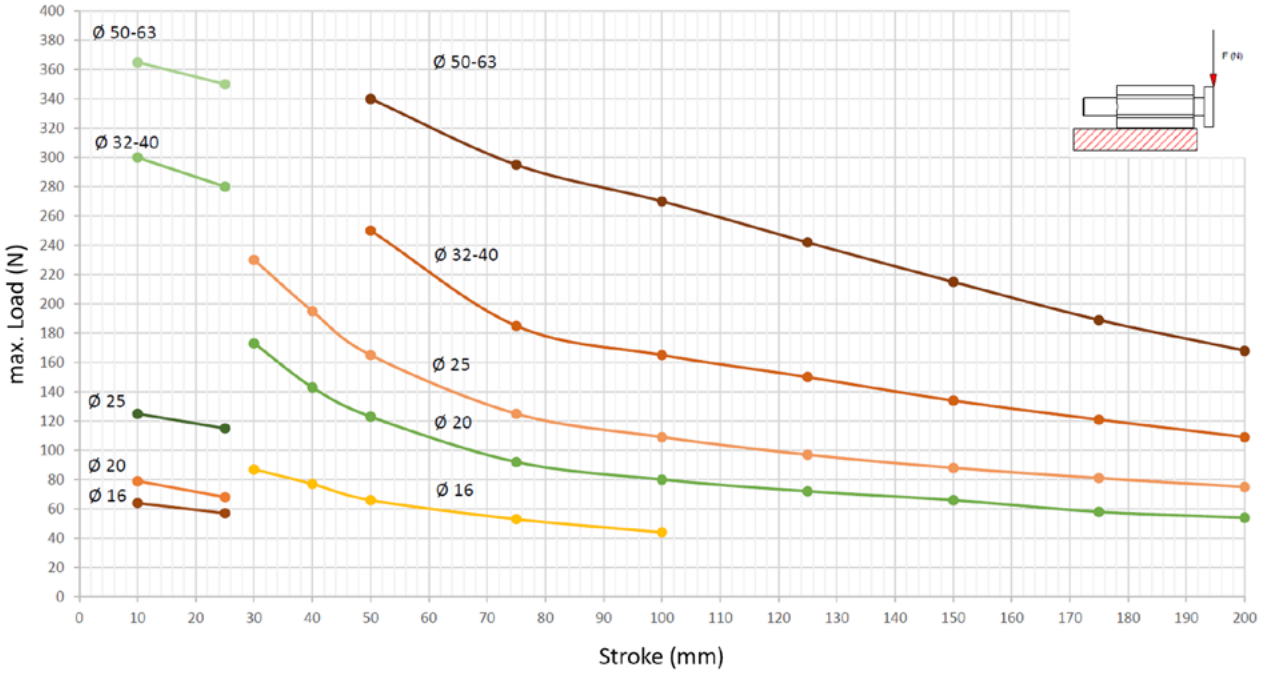
Maximal Torque M (Nm) LXA-G, version with built-in cushioning rings



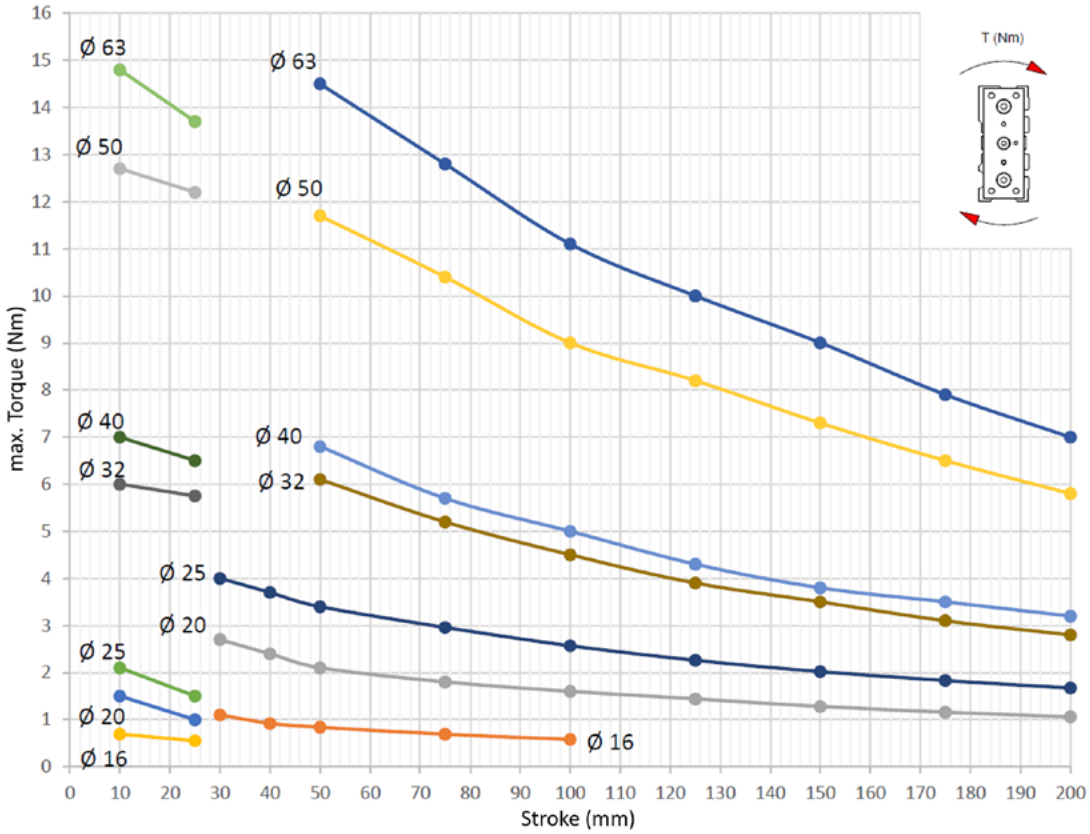
Series LXA
guide unit, double acting

Technical information

Maximal Load F (N) LXA-G, version with adjustable cushioning

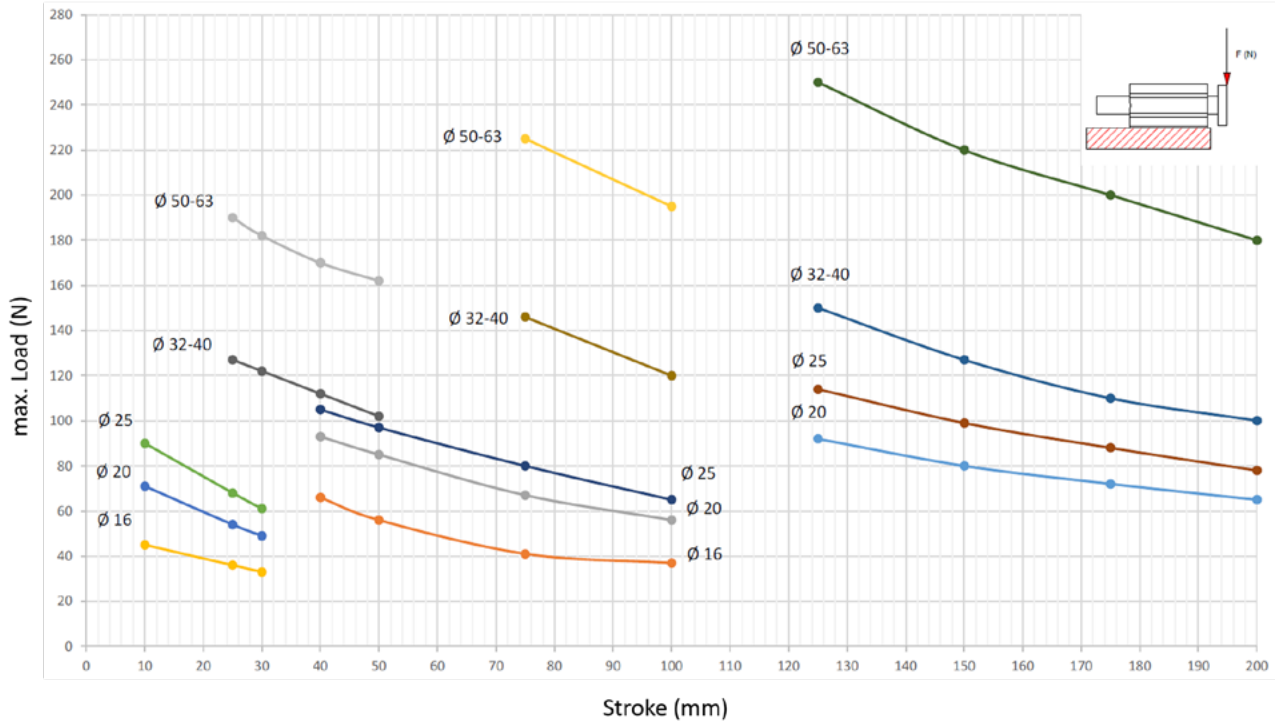


Maximal Torque M (Nm) LXA-G, version with adjustable cushioning

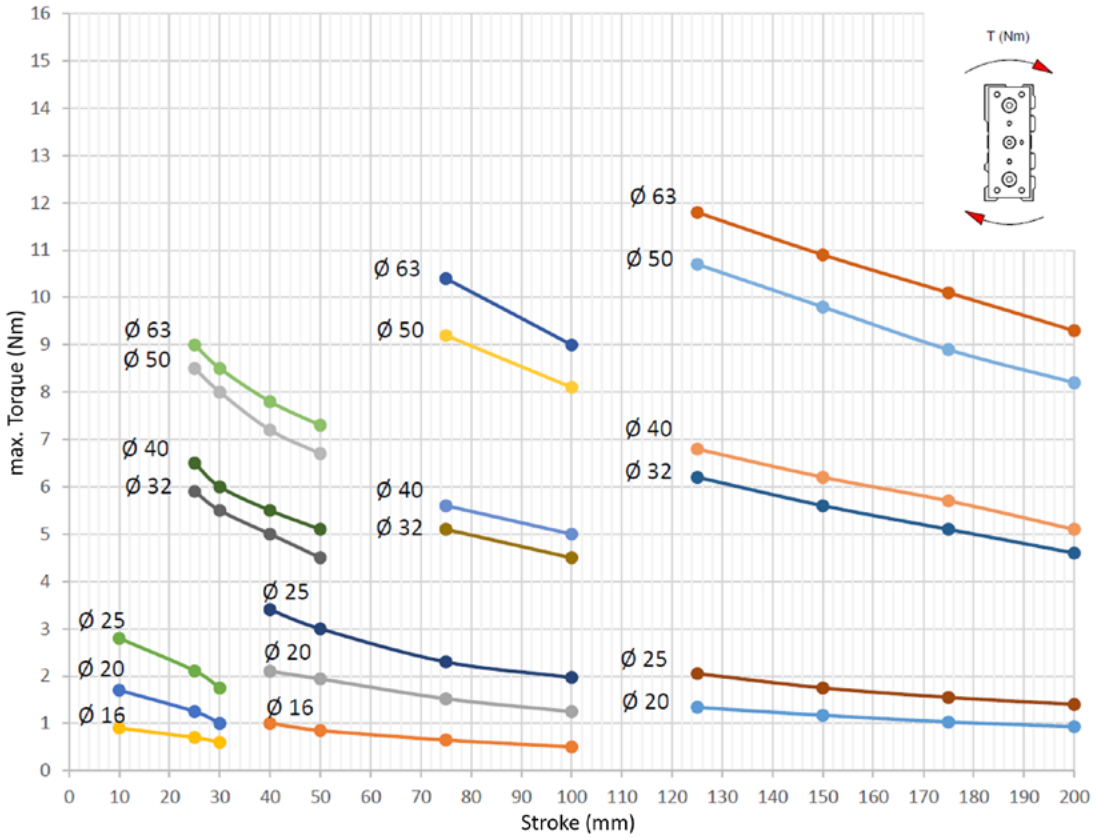


Technical information

Maximal Load F (N) LXA-K, version with built-in cushioning rings



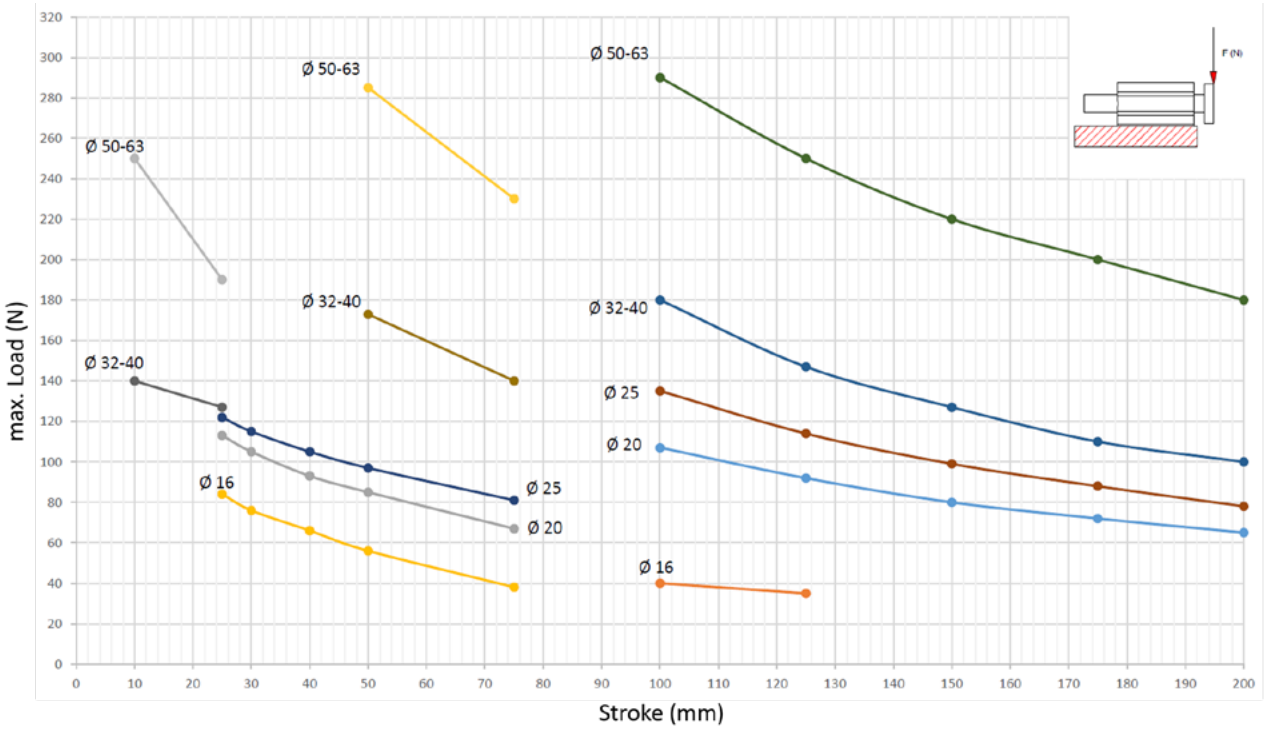
Maximal Torque M (Nm) LXA-K, version with built-in cushioning rings



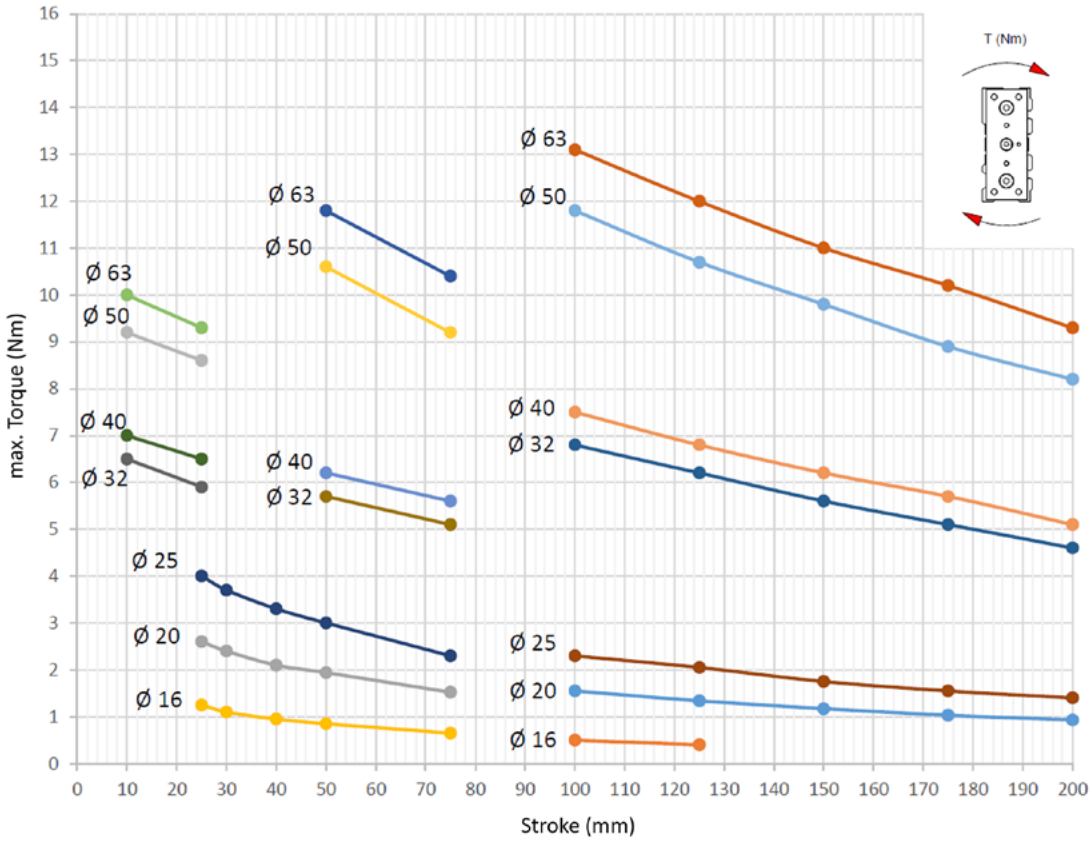
Series LXA
guide unit, double acting

Technical information

Maximal Load F (N) LXA-K, version with adjustable cushioning



Maximal Torque M (Nm) LXA-K, version with adjustable cushioning



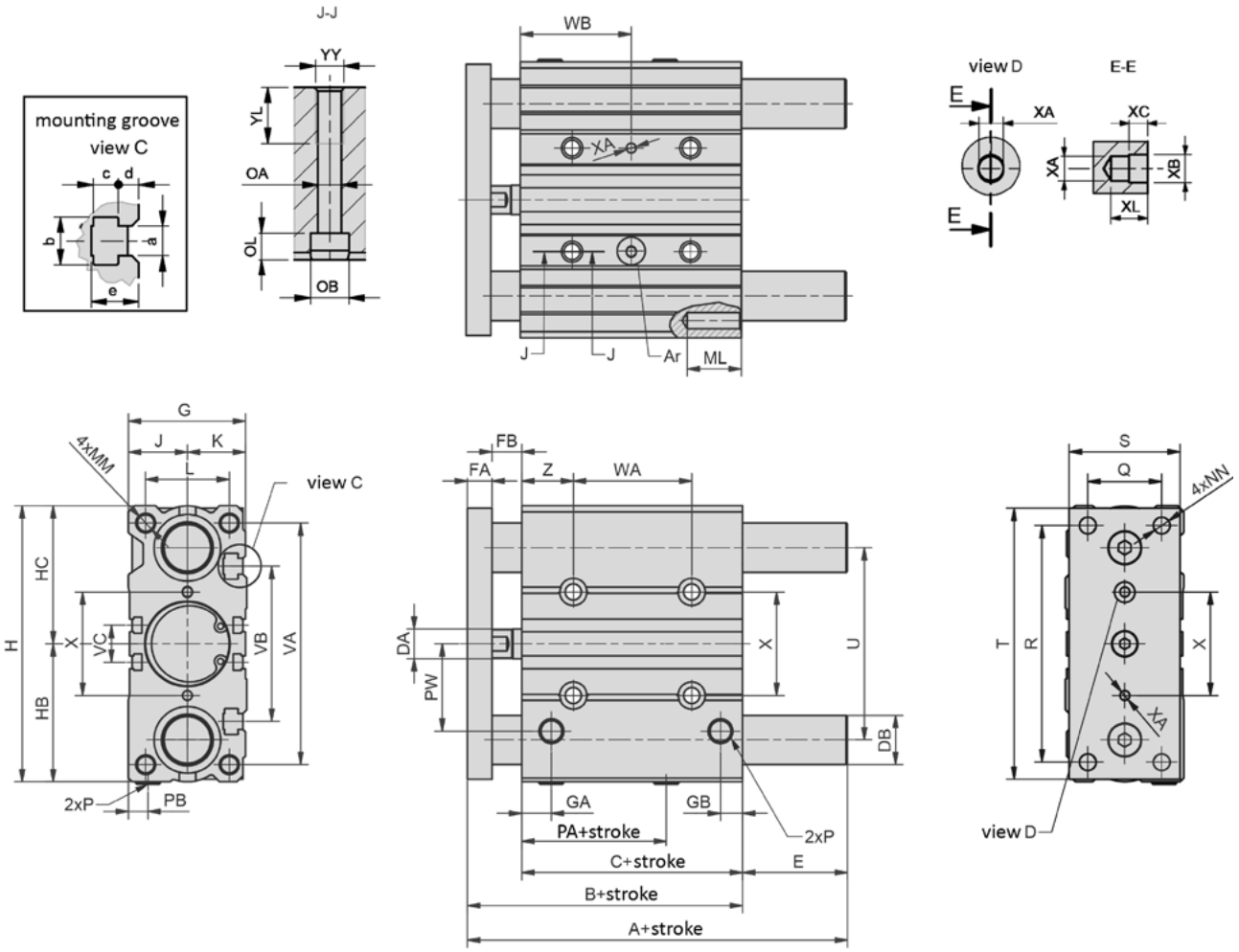
Series LXA
guide unit, double acting

Dimensions bronze bearings, built-in cushioning rings

Dimension	Stroke	Piston Ø	16	20	25	32	40	50	63
A+	0-50		42	53	53.5	97	97	106.5	106.5
A+	75-200		64.5	84.5	85	102	102	118	118
B+			46	53	53.5	59.5	66	72	77
C+			33	37	37.5	37.5	44	44	49
ØDA			8	10	10	12	12	16	16
ØDB			10	12	16	20	20	25	25
E	0-50		0	0	0	37.5	31	34.5	29.5
E	75-200		18.5	31.5	31.5	42.5	36	46	41
FA			8	10	10	10	10	15	15
FB			5	6	6	12	12	13	13
G			30	36	42	48	54	64	78
GA			11	11.5	11.5	12	15	15	15.5
GB			8	9	10	9	12	12	13.5
H			64	84	94	113	121	149	163
HB			32.5	41.5	46.5	56	60	74	81
HC			32	42.5	47.5	57	61	75	82
J			15	18	21	24	27	32	39
K			15	18	21	24	27	32	39
L			22	24	30	34	40	46	58
MM			M5	M5	M6	M8	M8	M10	M10
ML			12	13	15	16	16	20	22
NN			M5	M5	M6	M8	M8	M10	M10
OA			4.2	5.2	5.2	6.5	6.5	8.5	8.5
OB			8	9.5	9.5	11	11	14	14
OL			4.5	5.5	5.5	7.5	7.5	9	9
P			M5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
PA+			15	13.5	12.5	6.5	13	9	13
PB			10	11	14	16	18	21.5	28
PW			19	25	30	35.5	39.5	47	58
Q			16	18	26	30	30	40	50
R			54	70	78	96	104	130	130
S			25	30	40	45	45	60	70
T			62	81	91	110	118	146	158
U			46	54	64	78	86	110	124
VA			56	72	82	98	106	130	142
VB			38	44	50	63	72	92	110
VC			10.5	12.5	15	19.5	25	33	34
WA	0-30		24	24	24	24	24	24	28
WA	40-100		44	44	44	48	48	48	52
WA	125-200		110	120	120	124	124	124	128
WB	0-30		17	29	29	33	34	36	38
WB	40-100		27	39	39	45	46	48	50
WB	125-200		60	77	77	83	84	86	88
X			24	28	34	42	50	66	80
ØXA			3	3	4	4	4	5	5
XB			3.5	3.5	4.5	4.5	4.5	6	6
XC			3	3	3	3	3	4	4
XL			6	6	6	6	6	8	8
YY			M5	M6	M6	M8	M8	M10	M10
YL			10	12	12	16	16	20	22
Z			5	17	17	21	22	24	24
a			4.4	5.4	5.4	6.5	6.5	8.5	11
b			7.4	8.4	8.4	10.5	10.5	13.5	17.8
c			3.7	4.5	4.5	5.5	5.5	7.5	10
d			3.5	3.6	3.8	4.5	5	5.5	8
e			6.7	8.6	9	10.5	10.5	14.5	19.5

Series LXA
guide unit, double acting

Dimensions bronze bearings, built-in cushioning rings



Piston Ø	Standard stroke lengths (mm)															
16	10	20		30	40	50	75	100	125	150	175	200	250			
20		20		30	40	50	75	100	125	150	175	200	250	300	350	400
25		20		30	40	50	75	100	125	150	175	200	250	300	350	400
32			25			50	75	100	125	150	175	200	250	300	350	400
40			25			50	75	100	125	150	175	200	250	300	350	400
50			25			50	75	100	125	150	175	200	250	300	350	400
63			25			50	75	100	125	150	175	200	250	300	350	400

Intermediate strokes are made with the profile of the standard superior stroke and with an internal spacer which limits the stroke to the required one.

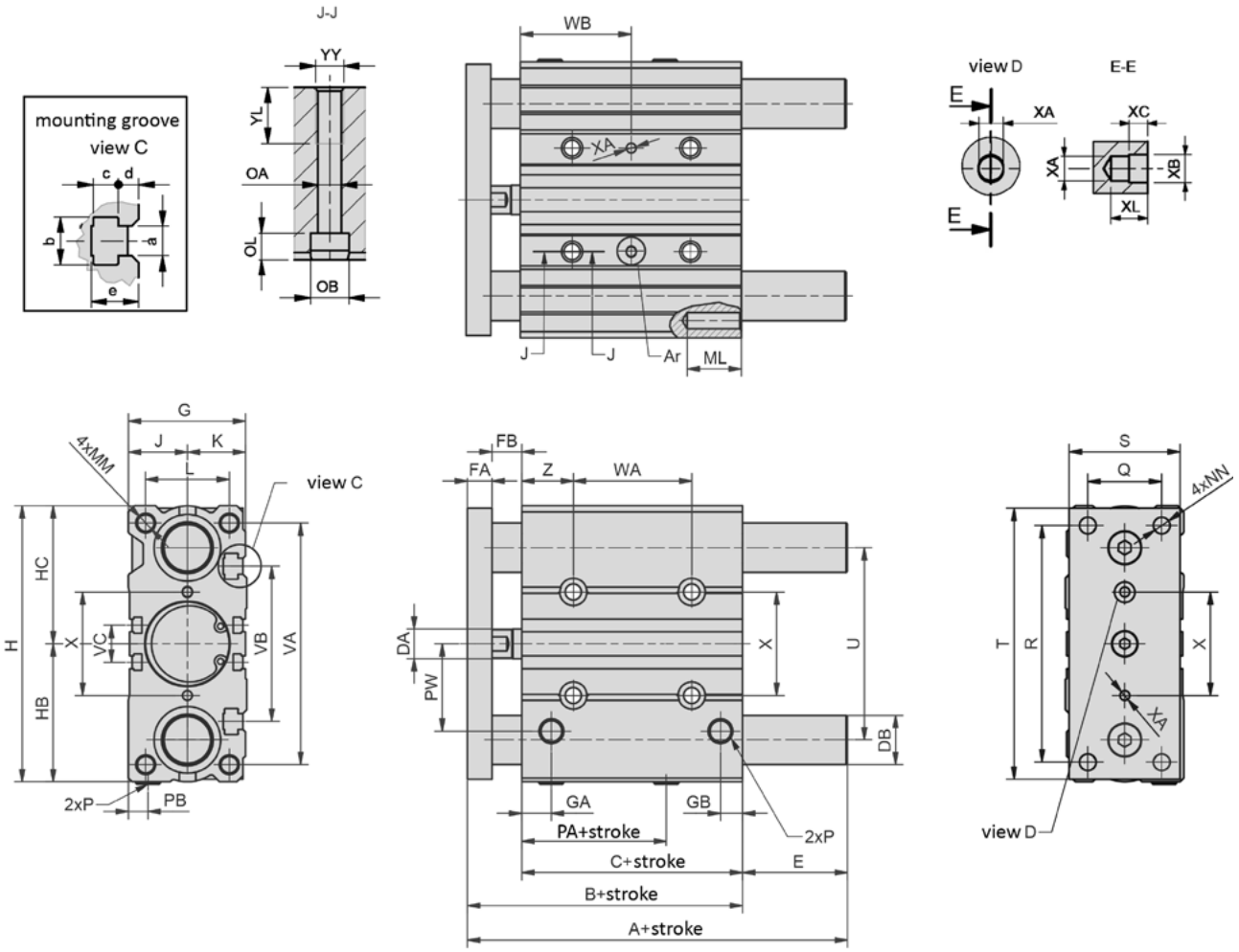
Series LXA
guide unit, double acting

Dimensions ball bearings, built-in cushioning rings

Dimension	stroke	Piston Ø	16	20	25	32	40	50	63
A+	0-30		49	63	69.5	-	-	-	-
A+	40-100		65	80	86	-	-	-	-
A+	125-200		-	104	104.5	-	-	-	-
A+	0-50		-	-	-	81	81	93	93
A+	75-100		-	-	-	98	98	114	114
A+	125-200		-	-	-	118	118	134	134
B+			46	53	53.5	59.5	66	72	77
C+			33	37	37.5	37.5	44	44	49
ØDA			8	10	10	12	12	16	16
ØDB			8	12	14	20	20	25	25
E	0-30		3	10	16	-	-	-	-
E	40-100		19	27	32.5	-	-	-	-
E	125-200		-	51	51	-	-	-	-
E	0-50		-	-	-	21.5	15	21	16
E	75-100		-	-	-	38.5	32	42	37
E	125-200		-	-	-	58.5	52	62	57
FA			8	10	10	10	10	15	15
FB			5	6	6	12	12	13	13
G			30	36	42	48	54	64	78
GA			11	11.5	11.5	12	15	15	15.5
GB			8	9	10	9	12	12	13.5
H			64	84	94	113	121	149	163
HB			32.5	41.5	46.5	56	60	74	81
HC			32	42.5	47.5	57	61	75	82
J			15	18	21	24	27	32	39
K			15	18	21	24	27	32	39
L			22	24	30	34	40	46	58
MM			M5	M5	M6	M8	M8	M10	M10
ML			12	13	15	16	16	20	22
NN			M5	M5	M6	M8	M8	M10	M10
OA			4.2	5.2	5.2	6.5	6.5	8.5	8.5
OB			8	9.5	9.5	11	11	14	14
OL			4.5	5.5	5.5	7.5	7.5	9	9
P			M5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
PA+			15	13.5	12.5	6.5	13	9	13
PB			10	11	14	16	18	21.5	28
PW			19	25	30	35.5	39.5	47	58
Q			16	18	26	30	30	40	50
R			54	70	78	96	104	130	130
S			25	30	40	45	45	60	70
T			62	81	91	110	118	146	158
U			46	54	64	78	86	110	124
VA			56	72	82	98	106	130	142
VN			38	44	50	63	72	92	110
VC			10.5	12.5	15	19.5	25	33	34
WA	0-30		24	24	24	24	24	24	28
WA	40-100		44	44	44	48	48	48	52
WA	125-200		110	120	120	124	124	124	128
WB	0-30		17	29	29	33	34	36	38
WB	40-100		27	39	39	45	46	48	50
WB	125-200		60	77	77	83	84	86	88
X			24	28	34	42	50	66	80
ØXA			3	3	4	4	4	5	5
XB			3.5	3.5	4.5	4.5	4.5	6	6
XC			3	3	3	3	3	4	4
XL			6	6	6	6	6	8	8
YY			M5	M6	M6	M8	M8	M10	M10
YL			10	12	12	16	16	20	22
Z			5	17	17	21	22	24	24
a			4.4	5.4	5.4	6.5	6.5	8.5	11
b			7.4	8.4	8.4	10.5	10.5	13.5	17.8
c			3.7	4.5	4.5	5.5	5.5	7.5	10
d			3.5	3.6	3.8	4.5	5	5.5	8
e			6.7	8.6	9	10.5	10.5	14.5	19.5

Series LXA
guide unit, double acting

Dimensions ball bearings, built-in cushioning rings



Piston Ø	Standard stroke lengths (mm)															
16	10	20		30	40	50	75	100	125	150	175	200	250			
20		20		30	40	50	75	100	125	150	175	200	250	300	350	400
25		20		30	40	50	75	100	125	150	175	200	250	300	350	400
32			25			50	75	100	125	150	175	200	250	300	350	400
40			25			50	75	100	125	150	175	200	250	300	350	400
50			25			50	75	100	125	150	175	200	250	300	350	400
63			25			50	75	100	125	150	175	200	250	300	350	400

Intermediate strokes are made with the profile of the standard superior stroke and with an internal spacer which limits the stroke to the required one.

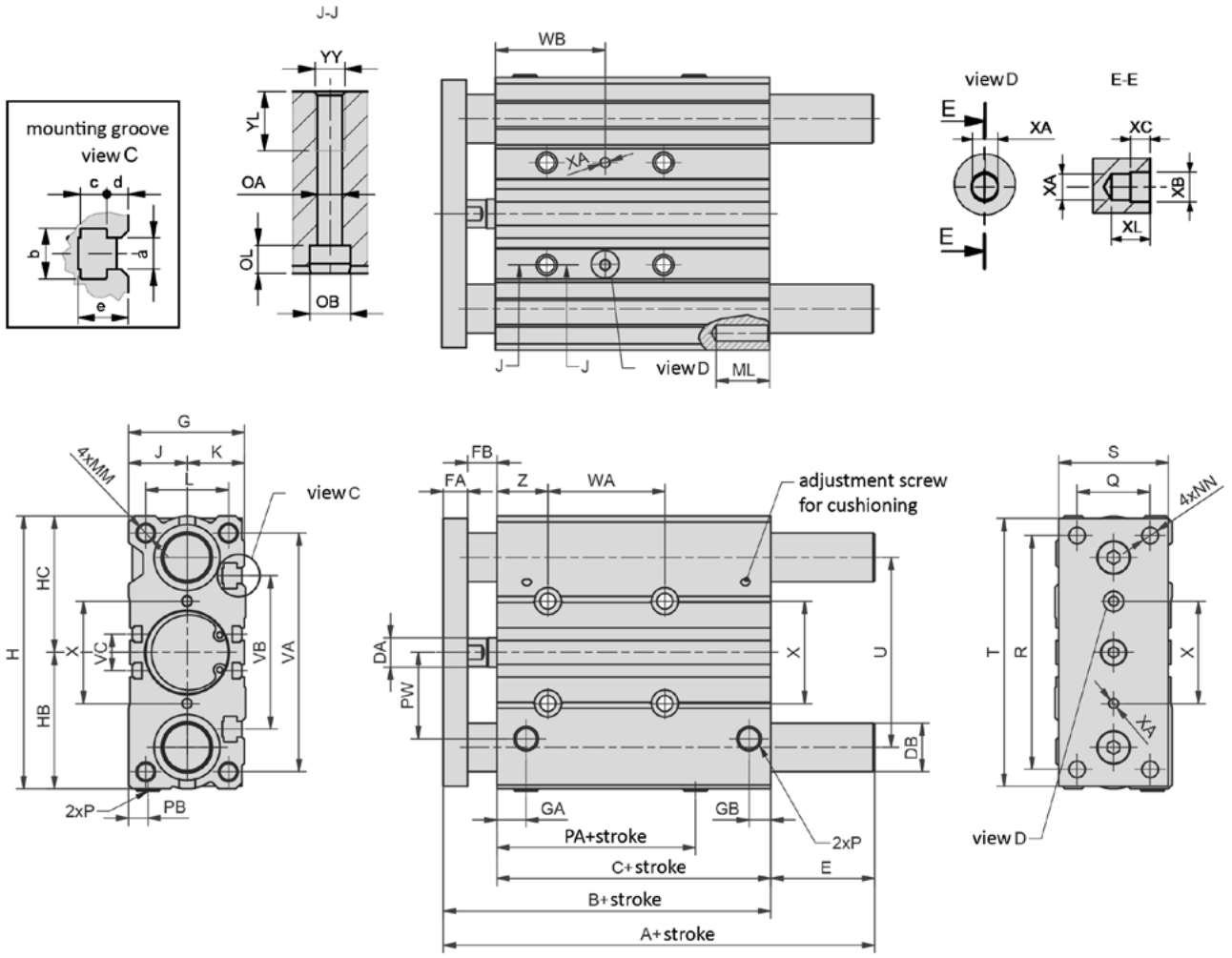
Series LXA
guide unit, double acting

Dimensions bronze bearings, adjustable cushioning

Dimension	stroke	Piston Ø	16	20	25	32	40	50	63
A+	0-25		71	78	78.5	97	97	106.5	106.5
A+	30-50		71	86.5	87	127	127	131.5	131.5
A+	75-200		71	84.5	85	102	102	118	118
B+			71	78	78.5	84.5	91	97	102
C+			58	62	62.5	62.5	69	69	74
ØDA			8	10	10	12	12	16	16
ØDB			10	12	16	20	20	25	25
E	0-25		0	0	0	12.5	6	9.5	4.5
E	30-50		0	8.5	8.5	42.5	36	34.5	29.5
E	75-200		0	6.5	6.5	17.5	11	21	16
FA			8	10	10	10	10	15	15
FB			5	6	6	12	12	13	13
G			30	36	42	48	54	64	78
GA			11	11.5	11.5	12	15	15	15.5
GB			8	9	10	9	12	12	13.5
H			64	84	94	113	121	149	163
HB			32.5	41.5	46.5	56	60	74	81
HC			32	42.5	47.5	57	61	75	82
J			15	18	21	24	27	32	39
K			15	18	21	24	27	32	39
L			22	24	30	34	40	46	58
MM			M5	M5	M6	M8	M8	M10	M10
ML			12	13	15	16	16	20	22
NN			M5	M5	M6	M8	M8	M10	M10
OA			4.2	5.2	5.2	6.5	6.5	8.5	8.5
OB			8	9.5	9.5	11	11	14	14
OL			4.5	5.5	5.5	7.5	7.5	9	9
P			M5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
PA+			40	38.5	37.5	31.5	38	34	38
PB			10	10.5	13.5	16	18	21.5	28
PW			19	25	30	35.5	39.5	47	58
Q			16	18	26	30	30	40	50
R			54	70	78	96	104	130	130
S			25	30	40	45	45	60	70
T			62	81	91	110	118	146	158
U			46	54	64	78	86	110	124
VA			56	72	82	98	106	130	142
VN			38	44	50	63	72	92	110
VC			10.5	12.5	15	19.5	25	33	34
WA	0-75		44	44	44	48	48	48	52
WA	100-175		110	120	120	124	124	124	128
WA	200		/	200	200	200	200	200	200
WB	0-75		27	39	39	45	46	48	50
WB	100-175		60	77	77	83	84	86	88
WB	200		/	117	117	121	122	124	124
X			24	28	34	42	50	66	80
ØXA			3	3	4	4	4	5	5
XB			3.5	3.5	4.5	4.5	4.5	6	6
XC			3	3	3	3	3	4	4
XL			6	6	6	6	6	8	8
YY			M5	M6	M6	M8	M8	M10	M10
YL			10	12	12	16	16	20	22
Z			5	17	17	21	22	24	24
a			4.4	5.4	5.4	6.5	6.5	8.5	11
b			7.4	8.4	8.4	10.5	10.5	13.5	17.8
c			3.7	4.5	4.5	5.5	5.5	7.5	10
d			3.5	3.6	3.8	4.5	5	5.5	8
e			6.7	8.6	9	10.5	10.5	14.5	19.5

Series LXA
guide unit, double acting

Dimensions bronze bearings, adjustable cushioning



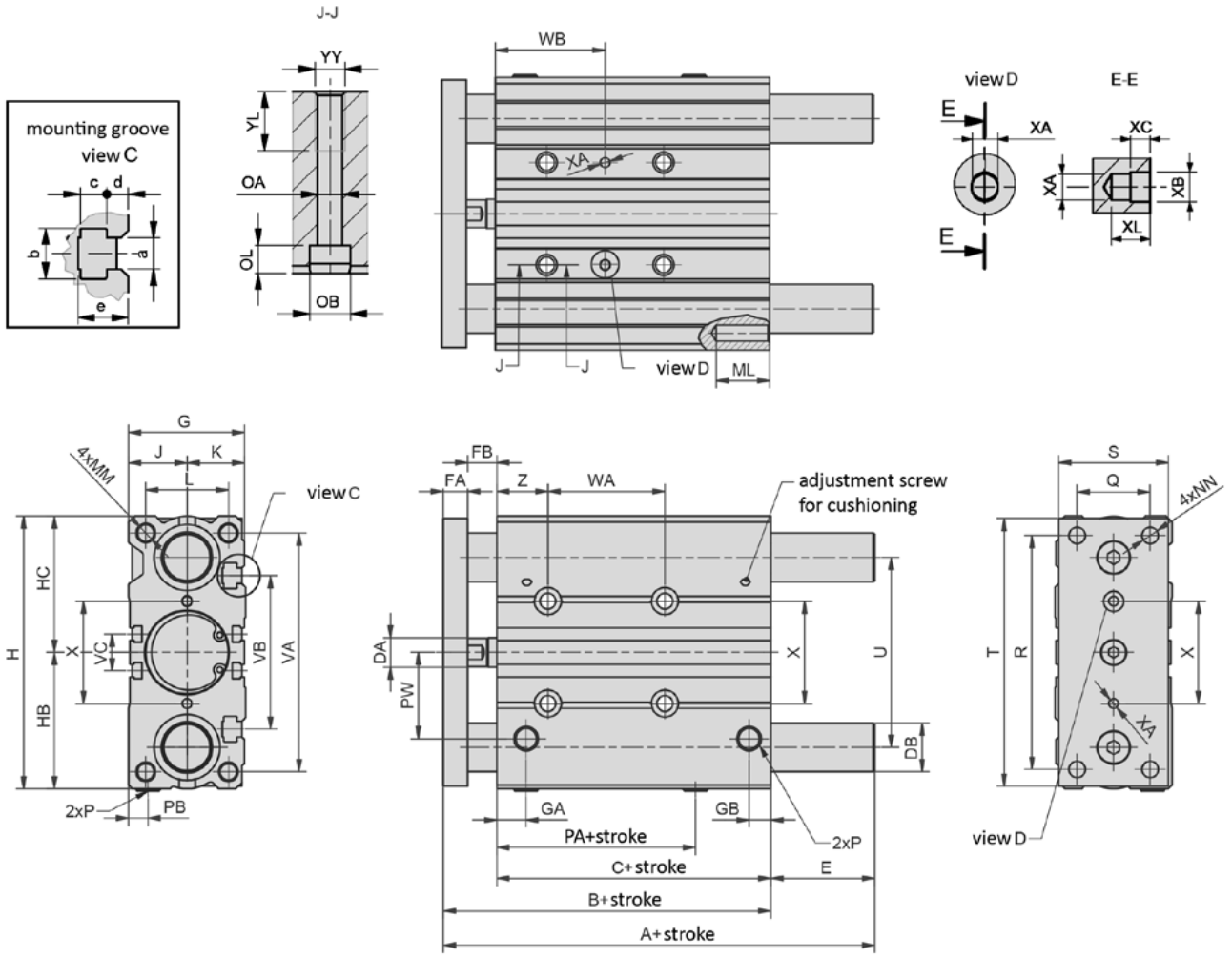
Piston Ø	Standard stroke lengths (mm)								
16	25	50	75	100					
20	25	50	75	100	125	150	175	200	250
25	25	50	75	100	125	150	175	200	250
32	25	50	75	100	125	150	175	200	250
40	25	50	75	100	125	150	175	200	250
50	25	50	75	100	125	150	175	200	250
63	25	50	75	100	125	150	175	200	250

Dimensions ball bearings, adjustable cushioning

Dimension	stroke	Piston Ø	16	20	25	32	40	50	63
A+	0-25		71	95	100.5	84.5	91	97	102
A+	50		71	80	85.5	123	123	127.5	127.5
A+	75		71	80	85.5	98	98	114	114
A+	100		71	99	99.5	115.5	115.5	159	159
A+	>125		-	104	104.5	118	118	134	134
B+			71	78	78.5	84.5	91	97	102
C+			58	62	62.5	62.5	69	69	74
ØDA			8	10	10	12	12	16	16
ØDB			8	12	14	20	20	25	25
E	0-25		0	17	22	0	0	0	0
E	50		0	2	7	38.5	32	30.5	25.5
E	75		0	2	7	13.5	7	17	12
E	100		0	21	26	31	24.5	62	57
E	>125		-	26	26	33.5	27	37	32
FA			8	10	10	10	10	15	15
FB			5	6	6	12	12	13	13
G			30	36	42	48	54	64	78
GA			11	11.5	11.5	12	15	15	15.5
GB			8	9	10	9	12	12	13.5
H			64	84	94	113	121	149	163
HB			32.5	41.5	46.5	56	60	74	81
HC			32	42.5	47.5	57	61	75	82
J			15	18	21	24	27	32	39
K			15	18	21	24	27	32	39
L			22	24	30	34	40	46	58
MM			M5	M5	M6	M8	M8	M10	M10
ML			12	13	15	16	16	20	22
NN			M5	M5	M6	M8	M8	M10	M10
OA			4.2	5.2	5.2	6.5	6.5	8.5	8.5
OB			8	9.5	9.5	11	11	14	14
OL			4.5	5.5	5.5	7.5	7.5	9	9
P			M5	G1/8	G1/8	G1/8	G1/8	G1/4	G1/4
PA+			40	38.5	37.5	31.5	38	34	38
PB			10	11.5	14	16	18	21.5	28
PW			19	25	30	35.5	39.5	47	58
Q			16	18	26	30	30	40	50
R			54	70	78	96	104	130	130
S			25	30	40	45	45	60	70
T			62	81	91	110	118	146	158
U			46	54	64	78	86	110	124
VA			56	72	82	98	106	130	142
VN			38	44	50	63	72	92	110
VC			10.5	12.5	15	19.5	25	33	34
WA	0-75		44	44	44	48	48	48	52
WA	100-175		110	120	120	124	124	124	128
WA	200		-	200	200	200	200	200	200
WB	0-75		27	39	39	45	46	48	50
WB	100-175		60	77	77	83	84	86	88
WB	200		-	117	117	121	122	124	124
X			24	28	34	42	50	66	80
ØXA			3	3	4	4	4	5	5
XB			3.5	3.5	4.5	4.5	4.5	6	6
XC			3	3	3	3	3	4	4
XL			6	6	6	6	6	8	8
YY			M5	M6	M6	M8	M8	M10	M10
YL			10	12	12	16	16	20	22
Z			5	17	17	21	22	24	24
a			4.4	5.4	5.4	6.5	6.5	8.5	11
b			7.4	8.4	8.4	10.5	10.5	13.5	17.8
c			3.7	4.5	4.5	5.5	5.5	7.5	10
d			3.5	3.6	3.8	4.5	5	5.5	8
e			6.7	8.6	9	10.5	10.5	14.5	19.5

Series LXA
guide unit, double acting

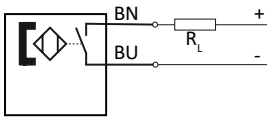
Dimensions ball bearings, adjustable cushioning



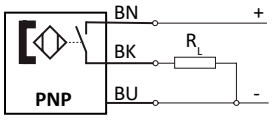
Piston Ø	Standard stroke lengths (mm)								
16	25	50	75	100					
20	25	50	75	100	125	150	175	200	250
25	25	50	75	100	125	150	175	200	250
32	25	50	75	100	125	150	175	200	250
40	25	50	75	100	125	150	175	200	250
50	25	50	75	100	125	150	175	200	250
63	25	50	75	100	125	150	175	200	250

Series ZS
Proximity sensors

Proximity sensors with cable

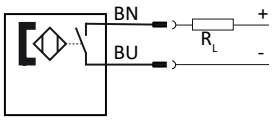


ZS-6600

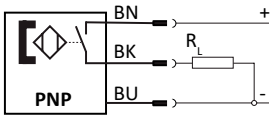


ZS-6700
ZS-7300

Proximity sensors with olug



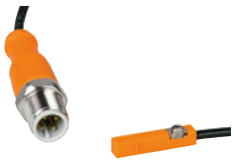
ZS-6601



ZS-6701
ZS-7302

Technical data

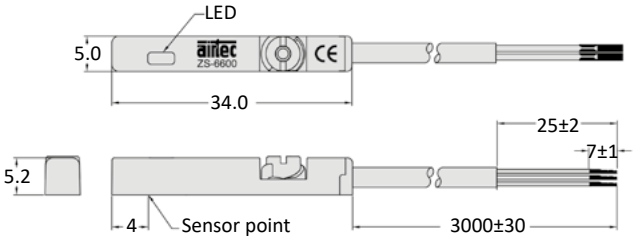
Model-no.:	ZS-6600	ZS-6601	ZS-6700	ZS-6701
				
Design	2-pole inductive	2-pole inductive	3-pole inductive	3-pole inductive
Contact function	NO	NO	NO	NO
Output	NO	NO	PNP	PNP
Rated operational voltage	10 ... 30 V DC	10 ... 30 V DC	5 ... 30 V DC	5 ... 30 V DC
Rated operational current I_E	≤ 50 mA	≤ 50 mA	≤ 100 mA	≤ 100 mA
Max. voltage drop at I_E	≤ 2.65	≤ 2.65	≤ 1.0	≤ 1.0
Breaking capacity	1,4 W	1,4 W	3 W	3 W
Sensitivity	40 ~ 800 Gauss	40 ~ 800 Gauss	40 ~ 800 Gauss	40 ~ 800 Gauss
Cable length	3 m	0.3 m with M8 connection	3 m	0.3 m with M8 connection
Reverse polarity protection	nein	nein	ja	ja
Temperature range	-10 ... +70°C	-10 ... +70°C	-10 ... +70°C	-10 ... +70°C
Protection	IP 67	IP 67	IP 67	IP 67
Switching status indication	LED red	LED red	LED red	LED red

Model-no.:	ZS-7300	ZS-7302
		
Design	3-pole inductive	3-pole inductive
Contact function	NO	NO
Output	PNP	PNP
Rated operational voltage	10 ... 30 V DC	10 ... 30 V DC
Rated operational current I_E	≤ 100 mA	≤ 100 mA
Max. voltage drop at I_E	≤ 2.5	≤ 2.5
Breaking capacity	3 W	3 W
Cable length	6 m	0.3 m with M12 connection
Temperature range	-20 ... +60°C	-20 ... +60°C
Protection	IP 67	IP 67
Switching status indication	LED yellow	LED yellow
⟨Ex⟩	II 3G Ex nA T4 II 3D Ex tD A22 IP67 T 125°C	II 3D Ex tc IIIC T125°C Dc X

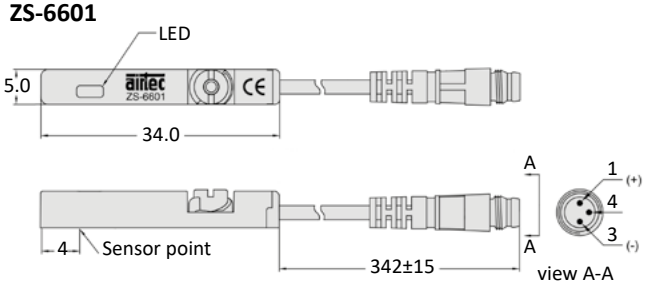
Series ZS
Proximity sensors

Dimensions

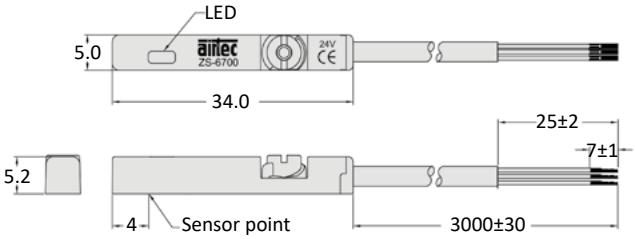
ZS-6600



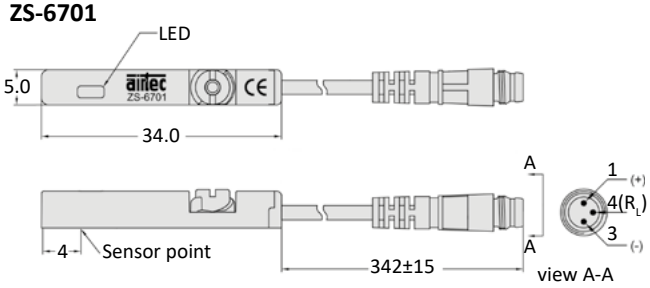
ZS-6601



ZS-6700



ZS-6701



Mounting

The sensors are mounted at the groove of the cylinder profile. It is fixed by turning the fixing screw at the sensor clockwise. The cover stripe XLB-011 (see below) can be used for protecting the sensor cable.

Cover for sensor groove

Model-no.:	XLB-011
	
Design	plastic profile, 50 cm length, blue
For series	XL, NXD, NXE, NYD, NYE, NYSE, LX

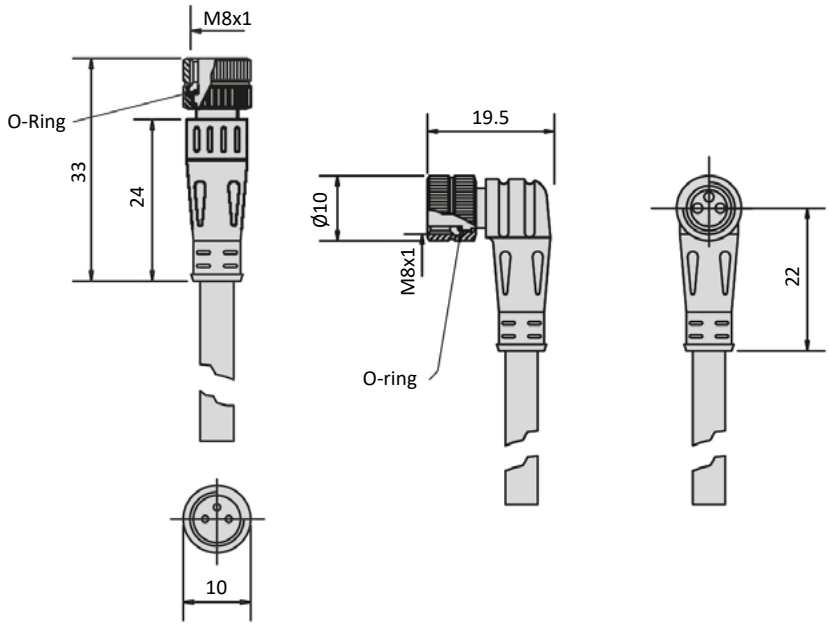
Connection cable M8

Contacts	M8 Plug socket
Protection	IP 67 according to EN 60529 in conjunction with suitable connection plug
Duty cycle	100 %
Temperature range*	-25°C...+90°C
max. voltage	60 V AC / DC
Use for	Solenoids with M8 plug, cylinder switch with M8 plug

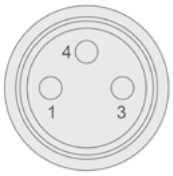
Model-no.:	KA-10-01	KA-30-01	KA-50-01	KA-100-01
Contacts	M8 Socket, straight	M8 Socket, straight	M8 Socket, straight	M8 Socket, straight
Mounting	Coupling nut	Coupling nut	Coupling nut	Coupling nut
Cable	3-pin	3-pin	3-pin	3-pin
Length (L)	1 m	3 m	5 m	10 m

Model-no.:	KA-11-01	KA-31-01	KA-51-01	KA-101-01
Contacts	M8 Socket, elbow 90°	M8 Socket, elbow 90°	M8 Socket, elbow 90°	M8 Socket, elbow 90°
Mounting	Coupling nut	Coupling nut	Coupling nut	Coupling nut
Cable	3-pin	3-pin	3-pin	3-pin
Length (L)	1 m	3 m	5 m	10 m

Dimensions



Pin assignment



1 = brown
3 = blue
4 = black

Version code

Cylinder - * * * - xxxx

Cylinder double acting

0	piston rod on one side with magnetic piston adjustable cushioning
1	piston rod on one side adjustable cushioning
2	piston rod on one side with magnetic piston
3	piston rod on one side
4	double end piston rod with magnetic piston adjustable cushioning
5	double end piston rod adjustable cushioning
6	double end piston rod with magnetic piston
7	double end piston rod
8	double end piston rod through hollow with magnetic piston

Cylinder single acting

0	piston rod on one side with magnetic piston normally retracted
1	piston rod on one side normally retracted
2	piston rod on one side with magnetic piston normally extended
3	piston rod on one side normally extended
4	double end piston rod with magnetic piston
5	double end piston rod

Piston rod versions

0	piston rod stainless steel male thread
1	piston rod stainless steel female thread
2	piston rod stainless steel female thread with guide and non rotating
3	piston rod stainless steel male thread non rotating
4	piston rod stainless steel female thread non rotating
5	piston rod steel hard chrome plated male thread
6	piston rod steel hard chrome plated female thread
7	Doppelkolbenstange
8	piston rod stainless steel without thread
9	piston rod steel hard chrome plated female thread with guide and non rotating
Axxx	piston rod stainless steel male thread lengthened by xxx mm[#]
Bxxx	piston rod stainless steel female thread lengthened by xxx mm
Cxxx	piston rod steel hard chrome plated male thread lengthened by xxx mm[#]
Dxxx	piston rod steel hard chrome plated female thread lengthened by xxx mm[#]
Exxx	piston rod stainless steel without thread lengthened by xxx mm[#]
Fxxx	piston rod steel hard chrome plated without thread lengthened by xxx mm[#]
V	piston rod stainless steel AISI 316 (1.4401) male thread

[#] with a double end piston rod, only one side is extended

Seals, Air connection

0	standard seals (PUR, NBR) air connection G thread
1	standard seals (PUR, NBR) air connection NPT thread
2	high temperature version (FKM) air connection G thread
3	high temperature version (FKM) air connection NPT thread
4	standard seals (NBR) piston rod seal FKM air connection G thread
5	standard seals (NBR) piston rod seal FKM air connection NPT thread

xxxx - Additions*

ATEX EX X	cylinders in accordance with 2014/34/EU (ATEX)
E8	piston rod seal E8, two-part, with plastic scraper

* Use taking into account the maximum length of 20 characters for an article number

Exceptions

Round cylinders are described by the designation of the series.
A design code is only used if there are deviations from the standard described.

If it is not possible to describe the version of the cylinder using the version code, a project number in the form Pxxxx should be used.

Not all options are suitable for all cylinder series