

Twin cylinders Series QX

Double-acting, magnetic, guided \varnothing 10x2, 16x2, 20x2, 25x2, 32x2



- » High force
- » Precise movement
- » Integrated guide

The Series QX offers a range of actuators covering a great number of applications which require a guided linear movement. The design of the double piston, besides assuring a solid and effective guide, offers double force in compact dimensions.

Where a high force with precise movement is required, along with a non-rotation function and integrated guide, the QX cylinders are the ideal solution.

The QX Series offers two guide versions, with sintered bronze bushes or with linear ball bearings.

GENERAL DATA

Type of construction	compact, non magnetic QXT = sintered bronze bushes - QXB = linear ball bearings
Operation	double-acting
Materials	anodized AL body and flange - piston rod stainless steel AISI 303 for QXT - hardened steel C50 for QXB - PU seals
Mounting method	by means of threaded body
Strokes	from 10 to 100
Operating temperature	0° + 80°C (with dry air - 20°C)
Operating speed	50 + 500 mm/s
Operating pressure	1 + 10 bar
Fluid	clean air, without lubrication. If lubricated air is used, it is recommended to use oil ISOVG32. Once applied the lubrication should never be interrupted.

STANDARD STROKES FOR TWIN-ROD CYLINDERS SERIES QX

■ = Double-acting

∅	10	20	30	40	50	75	100
10	■	■	■	■	■	■	
16	■	■	■	■	■	■	■
20	■	■	■	■	■	■	■
25	■	■	■	■	■	■	■
32	■	■	■	■	■	■	■

CODING EXAMPLE

QX	T	2	A	020	A	050
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QX	SERIES
T	VERSION T = sintered bronze bushes B = linear ball bearings
2	OPERATION 2 = double-acting (1 flange) radial / axial pressure supply 3 = double-acting through-rod (double-flange), radial pressure supply
A	MATERIALS A = anodized aluminium body, rolled stainless steel 303 piston rod
020	BORE 10 mm 16 mm 20 mm 25 mm 32 mm
A	TYPE OF DESIGN A = standard
050	STROKE see table

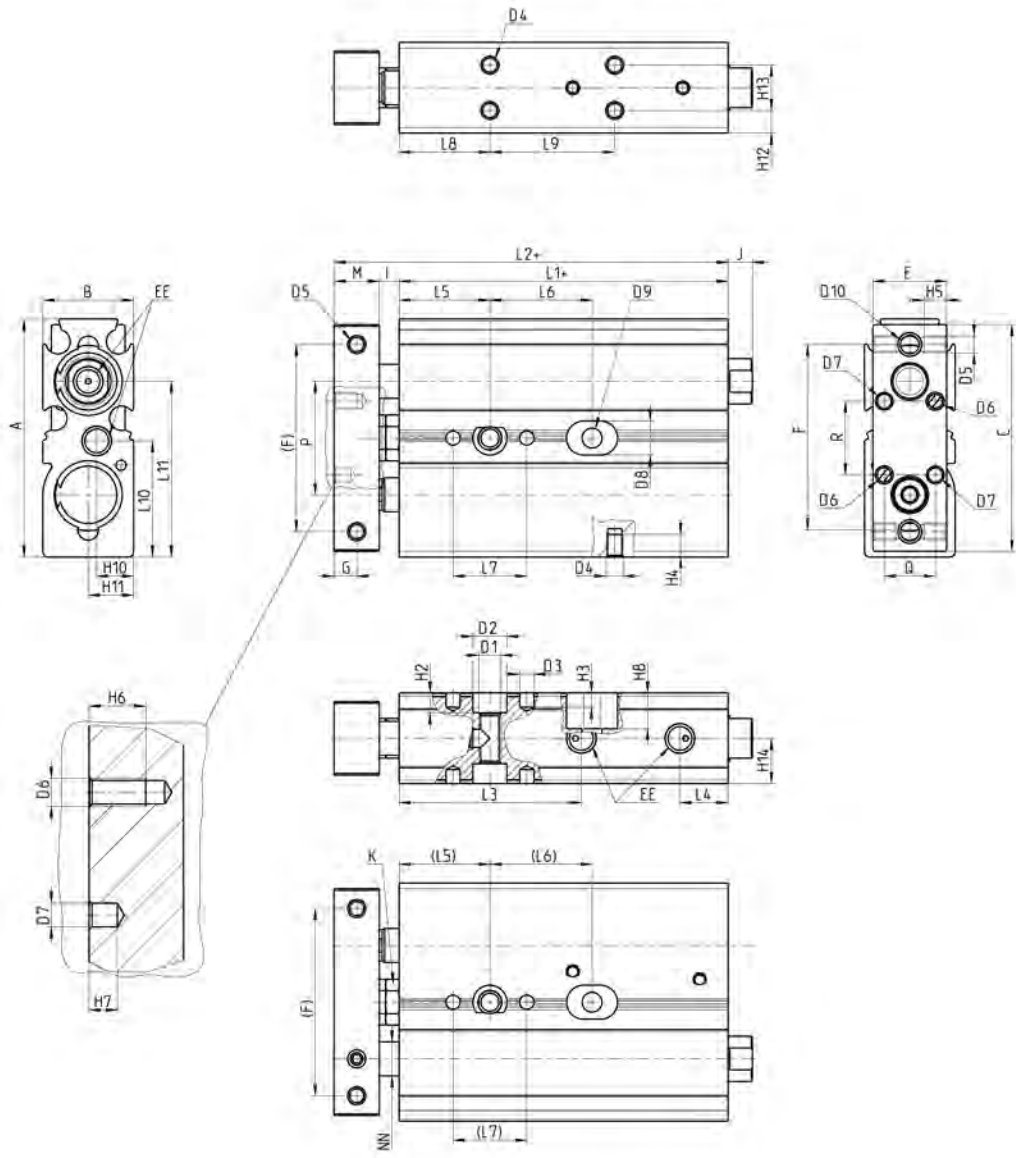
Cylinders Series QX (single flange)

New

1



+ = add the stroke



Dimensions for Series QX with single flange

New

+ = add the stroke

in red colour you can see the "old" values of catalogue release 8.0

DIMENSIONS						
Stroke (mm)	Ø 10	Ø 16	Ø 20	Ø 25	Ø 32	
A	42	58	62	76	94	
B	16	21	25	30	37	
C	40	56	60	71	92	
E	13	19	22	27	35	
F	33	42	50	60	75	
G	4	5	6	6	8	
I	3,5	2,5	4,5	4,5	4	
M	8	10	12	12	16	
Q	9	11	16	16	16	
R	13	13	18	18	18	
L1+	48	57,5	67,5	70,5	80,5	
L2+	59,5	70	84	87	100,5	
L3	32,1	34	39,5	44,0	46,5	
L4	8,5	8,5	9	8,5	12	
L5	16	20	25	30	30	
L6	10	18	25	30	40	
L6	20	28	25	30	40	
L6	30	38	35	40	50	
L6	40	48	35	40	50	
L6	50	58	35	40	50	
L6	75	83	45	60	70	
L6	100	-	55	60	70	
L7	13	13	20	20	20	
L8	16	30	30	30	30	
L9	10	22	25	30	40	
L9	20	32	25	30	40	
L9	30	42	35	40	50	
L9	40	52	35	40	50	
L9	50	62	35	40	50	
L9	75	87	45	60	70	
L9	100	-	55	60	70	
L10	20,5	29 6	31 4,8	38 4,5	47	
L11	31	52 29	57,2 31	71,5 38	47	
H2	3,5 6,3	4,5	5,5	6,5	6,5	
H3	2,5	4,0	4,0	4,0	4,0	
H4	4,0	5,0	4,5	5,0	7,5	
H5	6,5	6,0	6,0	6,0	7,5	
H6	8,0	6,0	8,0	8,0	8,0	
H7	3,0	3,0	4,0	4,0	4,0	
H8	6,3	-	-	-	-	
H10	6,5	10,5 4,5	10,5 4,8	15 8,5	8,5	
H11	8	16,5 10,5	20,2 10,5	21,5 15	28,5	
H12	4	10,5	8,00	8,5	8,5	
H13	8	-	9,0	13,0	20,0	
H14	8	5,5	12,5	15,0	18,5	
D1	M4	M5	M6	M8	M8	
D2	6	7,5	9,5	10,5	10,5	
D3	2,5	2,5	4	4	4	
D4	M3	M3	M4	M5	M5	
D5	M3	M4	M4	M5	M5	
D6	M3	M3	M4	M4	M4	
D7	2,5	2,5	4,0	4,0	4,0	
D8	6,0	-	-	-	-	
D9	3,5	-	-	-	-	
D10	M4	M5	M5	M6	M6	
NN	6	8	10	12	16	
EE	M5	M5	M5	M5	G1/8	
J	4,3	-	-	-	-	
K	7	7	8	8	10	
P	20	25	29	35	45 40	

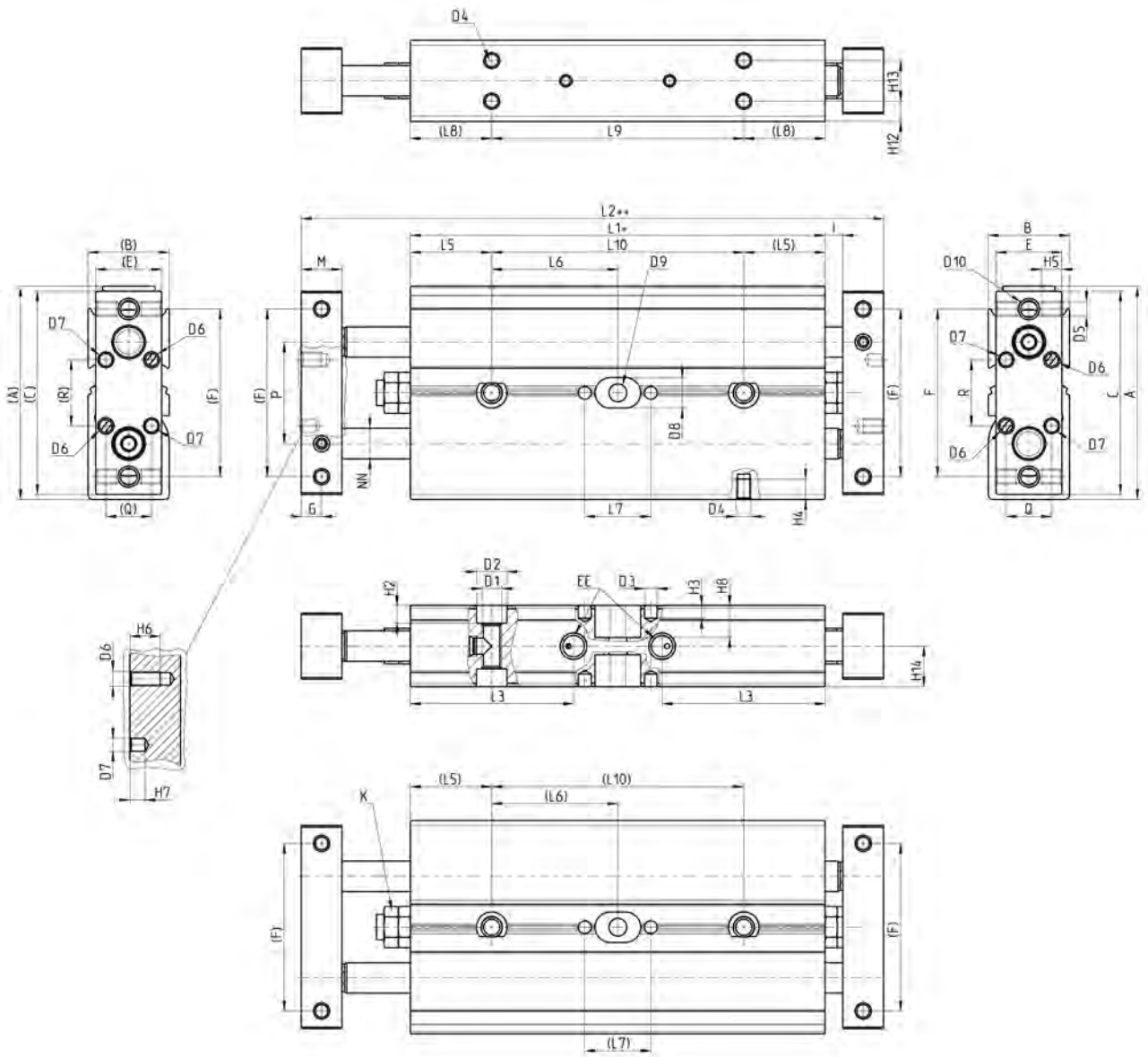
Cylinders Series QX (double flange)

New

1



+ = add the stroke



Dimensions for Series QX with double flange

New

+ = add the stroke
 ++ = add the stroke 2 times

in red colour you can
 see the "old" values of
 catalogue release 8.0

DIMENSIONS											
	Stroke (mm)	Ø 10	Ø 16	Ø 20	Ø 25	Ø 32					
A		42	58	62	76	94					
B		16	21	25	30	37					
C		40	56	60	71	92					
E		13	19	22	27	35					
F		33	42	50	60	45					
G		4	5	6	6	6					
I		3,5	2,5	4,5	4,5	4					
M		8	10	12	12	16					
Q		9	11	16	16	16					
R		13	13	18	18	18					
L1+		72	86,6	98	104,2	115,6					
L2++		95	111,6	131	137,2	155,6					
L3		32,1	37,1	34	39,5	44	46,5				
L5		16	20	25	30	30					
L6	10	25	28,3	29,0	27,1	32,8					
L6	20	30	33,3	34,0	32,1	37,8					
L6	30	35	38,3	39,0	37,1	42,8					
L6	40	40	43,3	44,0	42,1	47,8					
L6	50	45	48,3	49,0	47,1	52,8					
L6	75	57,3	60,8	61,5	59,6	65,3					
L6	100	-	73,3	74,0	72,1	77,8					
L7		13	13	20	20	20					
L8		16	30	30	30	30					
L9	10	40	49,7	26,6	28,3	38	29	44,2	27,1	55,6	32,8
L9	20	59,6	33,3	34,0	32,1	37,8					
L9	30	69,6	38,3	39,0	37,1	42,8					
L9	40	79,6	43,3	44,0	42,1	47,8					
L9	50	89,6	48,3	49,0	47,1	52,8					
L9	75	114,6	60,8	61,5	59,6	65,3					
L9	100	-	73,3	74,0	72,1	77,8					
L10	10	49,7	56,6	58,0	54,2	65,6					
L10	20	59,6	66,6	68,0	64,2	75,6					
L10	30	69,6	76,6	78,0	74,2	85,6					
L10	40	79,6	86,6	88,0	84,2	95,6					
L10	50	89,6	96,6	98,0	94,2	105,6					
L10	75	114,6	121,6	123,0	119,2	130,6					
L10	100	-	146,6	148,0	144,2	155,6					
H2		6,3	4,5	5,50	6,5	6,5					
H3		2,5	4,0	4,00	4	4					
H4		4	5,0	4,50	5	7,5					
H5		6,5	6,0	6,00	6	7,5					
H6		8	6,0	8,00	8	8					
H7		3	3,0	4,00	4	4					
H8		6,3	-	-	-	-					
D1		M4	M5	M6	M8	M8					
D2		6	7,5	9,5	10,5	10,5					
D3		2,5	2,5	4	4	4					
D4		M3	M4	M4	M5	M5					
D5		M4	M5	M5	M6	M6					
D6		M3	M3	M4	M5	M5					
D7		2,5	2,5	4	4	4					
D8		6	-	-	-	-					
D9		3,5	-	-	-	-					
D10		M4	M5	M5	M6	M6					
NN		6	8	10	12	16					
EE		M5	M5	M5	M5	G1/8					
K		7	7	8	8	10					
P		20	25	29	35	40					