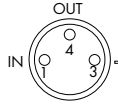
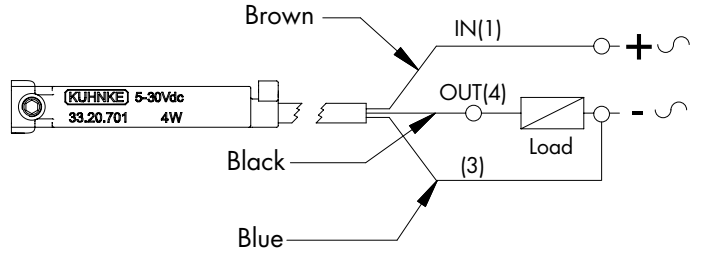


Cleanline Cylinder Sensors

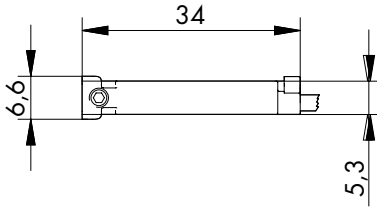
Electronic Type Sensors

Contact Type: PNP (N.O)
Cable: 3 x 0.14 mm²
Switching capacity: Max. 4 W
Switching voltage: 5-30 V DC
Switching current: Max. 200 mA
Voltage drop: 0.7 V
Switching time: 0.8 µs
Switching rate: Max. 1 kHz
Service life: 10¹¹ operations, depending on the load
Temperature range: -5°C to +75°C Protection class: IP67
Status indicator: LED
Housing material: Plastic



Code	Description
33.20.701	with cable L = 2000 mm
33.20.781	socket M8, cable L = 300 mm

Dimensional drawings



M8 connecting leads

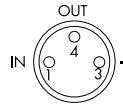
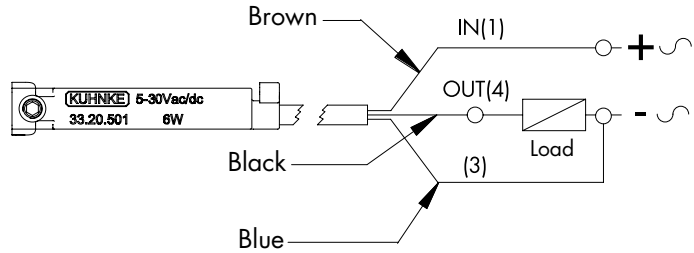
Code	Description
PL08B3.V250.30	cable L = 3000 mm
PL08B3.V250.50	cable L = 5000 mm

Cleanline Cylinder Sensors

REED Type Sensors 2 & 3 Wires

Position Transmitter REED (3 wires)

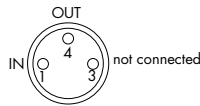
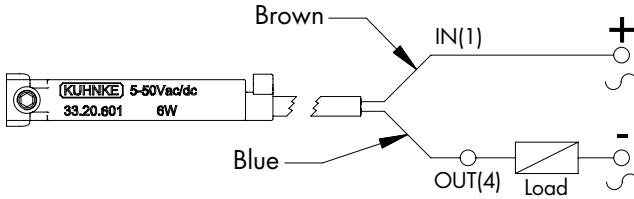
Contact type: N.O.
Cable: 3 x 0.14 mm²
Switching capacity: Max. 6 W
Switching voltage: 5-30 V AC/DC
Switching current: Max. 500 mA
Voltage drop: 0.1 V
Switching time: 0.6 ms
Switching rate: Max. 400 Hz
Service life: 10⁷ operations, depending on the load
Temperature range: -5°C to +75°C Protection class: IP67
Status indicator: LED
Housing material: Plastic



Code	Description
33.20.501	with cable L = 2000 mm
33.20.581	socket M8, cable L = 300 mm

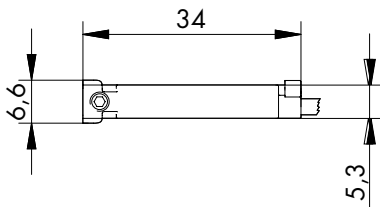
Position Transmitter REED (2 wires)

Contact type: N.O.
Cable: 2 x 0.14 mm²
Switching capacity: Max. 6 W
Switching voltage: 5-50 V AC/DC
Switching current: Max. 200 mA
Voltage drop: 3 V
Switching time: 0.6 ms
Switching rate: Max. 400 Hz
Service life: 10⁷ operations, depending on the load
Temperature range: -5°C to +75°C Protection class: IP67
Status indicator: LED
Housing material: Plastic



Code	Description
33.20.601	with cable L = 2000 mm
33.20.681	socket M8, cable L = 300 mm

Dimensional drawings



M8 connecting leads

Code	Description
PL08B3.V250.30	cable L = 3000 mm
PL08B3.V250.50	cable L = 5000 mm

Cleanline Pneumatic Cylinder

Double Acting Back-to-Back Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



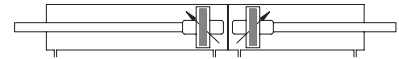
The picture above is an indication of design only.
See dimensional drawings.

Other information:



For ATEX certification use code "X" for example 21.1XC.XXXX.YYYY
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8401/M8402/M8403.

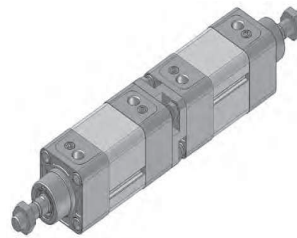
Ø	AM	WH	L8+	LC
32	22	26	94	15
40	24	30	105	15
50	32	37	106	20
63	32	37	121	20
80	40	46	128	25
100	40	51	138	25



Two standard double acting cylinders are joined together using a flange on the rear of the covers.
Both cylinders operate independently of each other.

Dimensional drawings & ordering information

To order:	21.11C.XXXX.YYYY	32mm bore + stroke + stroke
	21.21C.XXXX.YYYY	40mm bore + stroke + stroke
	21.31C.XXXX.YYYY	50mm bore + stroke + stroke
	21.41C.XXXX.YYYY	63mm bore + stroke + stroke
	21.51C.XXXX.YYYY	80mm bore + stroke + stroke
	21.61C.XXXX.YYYY	100mm bore + stroke + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

Stainless steel piston rods are also available, for example: 21.X2C.XXXX.YYYY

Viton seals are also available, for example: 21.X3C.XXXX.YYYY

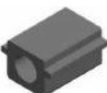
(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4C.XXXX.YYYY



Groove cover for use with sensors, 2000mm length.

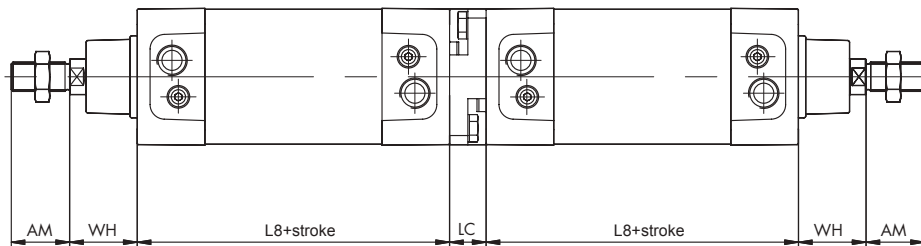
Order code: 20.001



Standard groove cover, specify length required.

Order code: 20.002

See "Double Acting (ISO 15552)" for additional dimensions.



Cleanline Cylinder - Special Nose Design

Double Acting Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Removable nose & seals:	316L stainless steel/replaceable PU wiper seal
Rod:	C45 chromium plated steel (Optional AISI 304 stainless steel)
Other seals:	NBR/polyurethane
Screws:	Stainless steel AISI 304 with front screw head covers
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air



Replaceable Wiper Seal

Other information:

Sensors are available for this product, see data sheets TX1004/TX1005.

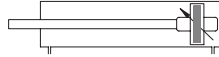
Mountings are available for this product, see data sheets M8400/M8401/M8402/M8403.

Contact us for spare cylinder seal kits and replacement PU wiper seals.

Ø	B ^{±1}	E	G	L2	L8+	L3	L12	EE	KK	ØMM	AM	BG	KV	KW	PL	RT	SW	TG	VA	WH	ZJ+
32	30	45	30	20	94	5	6	G1/8	M10X1.25	12	22	16	17	6	13	M6	10	32.5	3	26	120
40	35	54	28	23	105	5	6	G1/4	M12X1.25	16	24	16	19	7	15	M6	13	38	3	30	135
50	40	64	30	27	106	5	8	G1/4	M16X1.5	20	32	16	24	8	15	M8	17	46.5	4	37	143
63	45	75	37	29	121	5	8	G3/8	M16X1.5	20	32	16	24	8	19	M8	17	56.5	4	37	158
80	45	93	37.5	33	128	5	10	G3/8	M20X1.5	25	40	17	30	9	20.5	M10	22	72	4	46	174
100	55	110	40	36	138	5	10	G1/2	M20X1.5	25	40	17	30	9	22	M10	22	89	4	51	189

Dimensional drawings & ordering information

To order:	21.11A.GMXXXX	32mm bore + stroke
	21.21A.GMXXXX	40mm bore + stroke
	21.31A.GMXXXX	50mm bore + stroke
	21.41A.GMXXXX	63mm bore + stroke
	21.51A.GMXXXX	80mm bore + stroke
	21.61A.GMXXXX	100mm bore + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

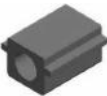
The unique nose design includes a durable wiper seal that resists the ingress of dirt or aggressive medium that would otherwise penetrate the cylinder, a common problem for pneumatic cylinders which causes the deterioration of the device and ultimately reduces life expectancy. The nose can easily be removed, the PU wiper seal effortlessly replaced, resulting in easy maintenance for continued operation.

Stainless steel piston rods are also available, for example: 21.X2A.GMXXXX



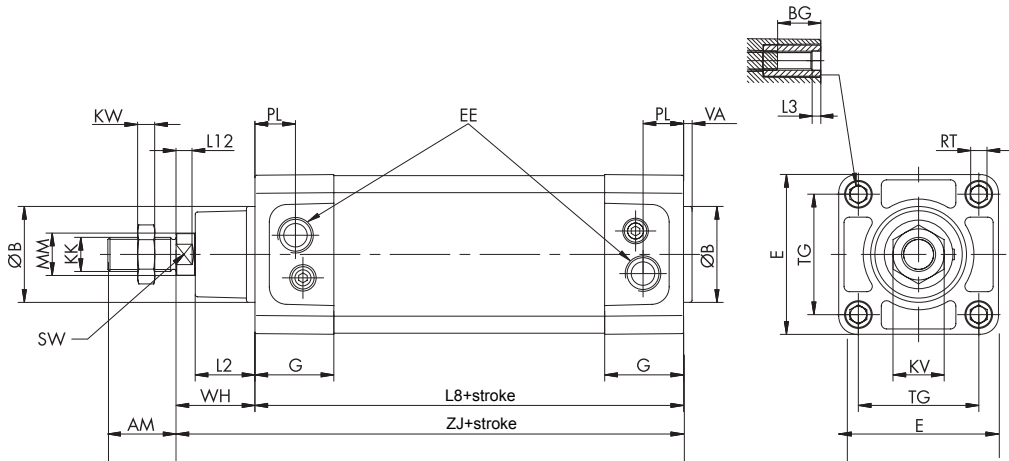
Groove cover for use with sensors, 2000mm length.

Order code: **20.001**



Standard groove cover, specify length required.

Order code: **20.002**



ISO 15552 Pneumatic Cylinder

Double Acting Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

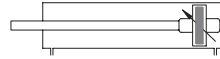


For ATEX certification use code "X" for example 21.1XA.XXXX
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8400/M8401/M8402/M8403.

Ø	B ^{e11}	E	G	L2	L8+	L3	L12	EE	KK	ØMM	AM	BG	KV	KW	PL	RT	SW	TG	VA	VD	WH	ZJ+
32	30	45	30	18	94	5	6	G1/8	M10X1.25	12	22	16	17	6	13	M6	10	32.5	3	4	26	120
40	35	54	28	22	105	5	6	G1/4	M12X1.25	16	24	16	19	7	15	M6	13	38	3	4	30	135
50	40	64	30	26	106	5	8	G1/4	M16X1.5	20	32	16	24	8	15	M8	17	46.5	4	4	37	143
63	45	75	37	28	121	5	8	G3/8	M16X1.5	20	32	16	24	8	19	M8	17	56.5	4	4	37	158
80	45	93	37.5	31	128	5	10	G3/8	M20X1.5	25	40	17	30	9	20.5	M10	22	72	4	4	46	174
100	55	110	40	35	138	5	10	G1/2	M20X1.5	25	40	17	30	9	22	M10	22	89	4	4	51	189

Dimensional drawings & ordering information

To order:	21.11A.XXXX	32mm bore + stroke
	21.21A.XXXX	40mm bore + stroke
	21.31A.XXXX	50mm bore + stroke
	21.41A.XXXX	63mm bore + stroke
	21.51A.XXXX	80mm bore + stroke
	21.61A.XXXX	100mm bore + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

Seal Kits:

Ø 32	21.1R.11
Ø 40	21.2R.11
Ø 50	21.3R.11
Ø 63	21.4R.11
Ø 80	21.5R.11
Ø 100	21.6R.11

Stainless steel piston rods are also available, for example: 21.X2A.XXXX

Viton seals are also available, for example: 21.X3A.XXXX

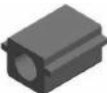
(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4A.XXXX



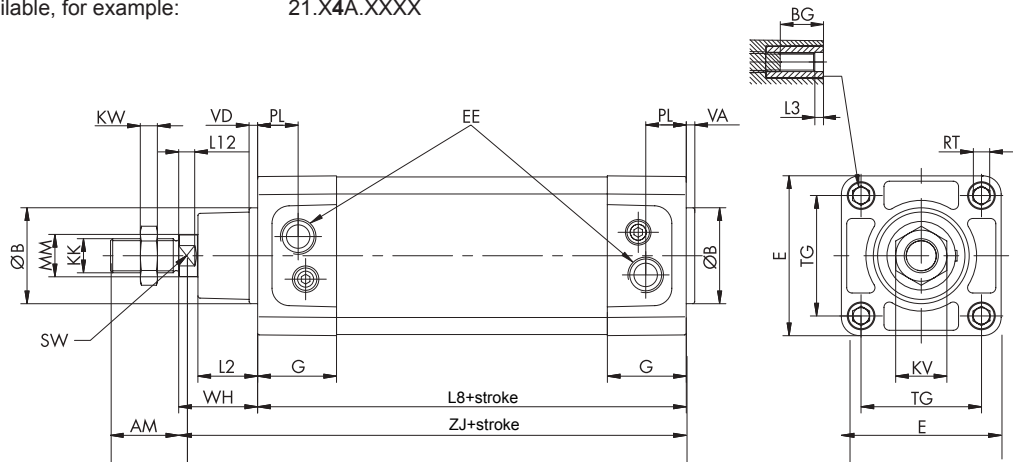
Groove cover for use with sensors, 2000mm length.

Order code: 20.001



Standard groove cover, specify length required.

Order code: 20.002



Cleanline Pneumatic Cylinder

Double Acting Multi-Position Tandem Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



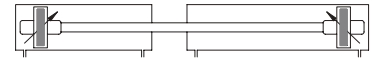
The picture above is an indication of design only.
See dimensional drawings.

Other information:



For ATEX certification use code "X" for example 21.1X.F.XXXX.YYYY
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8400/M8401.

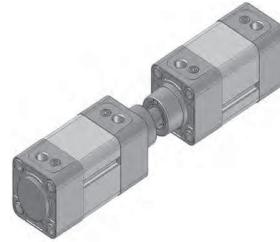
Ø	FF	L8+
32	48	94
40	54	105
50	69	106
63	69	121
80	86	128
100	91	138



A single rod passes through both cylinder covers, it is possible to have multiple positions on pressurisation of the respective ports.

Dimensional drawings & ordering information

To order:	21.11F.XXXX.YYYY	32mm bore + stroke + stroke
	21.21F.XXXX.YYYY	40mm bore + stroke + stroke
	21.31F.XXXX.YYYY	50mm bore + stroke + stroke
	21.41F.XXXX.YYYY	63mm bore + stroke + stroke
	21.51F.XXXX.YYYY	80mm bore + stroke + stroke
	21.61F.XXXX.YYYY	100mm bore + stroke + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

Stainless steel piston rods are also available, for example: 21.X2F.XXXX.YYYY

Viton seals are also available, for example: 21.X3F.XXXX.YYYY

(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4F.XXXX.YYYY



Groove cover for use with sensors, 2000mm length.

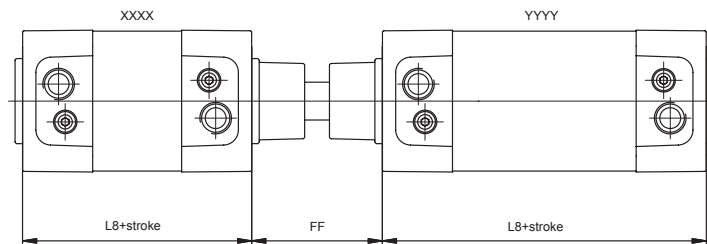
Order code: **20.001**



Standard groove cover, specify length required.

Order code: **20.002**

See "Double Acting (ISO 15552)" for additional dimensions.



Cleanline Pneumatic Cylinder

Double Acting Tandem Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



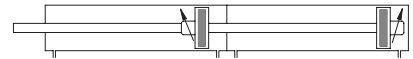
The picture above is an indication of design only.
See dimensional drawings.

Other information:



For ATEX certification use code "X" for example 21.1XD.XXXX
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8400/M8401/M8402/M8403.

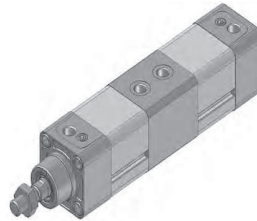
Ø	AM	WH	LR++
32	22	26	188
40	24	30	210
50	32	37	212
63	32	37	242
80	40	46	256
100	40	51	276



A single rod passing through both cylinder covers used to increase force, for this reason both cylinder strokes have to be exactly the same.

Dimensional drawings & ordering information

To order:	21.11D.XXXX	32mm bore + stroke
	21.21D.XXXX	40mm bore + stroke
	21.31D.XXXX	50mm bore + stroke
	21.41D.XXXX	63mm bore + stroke
	21.51D.XXXX	80mm bore + stroke
	21.61D.XXXX	100mm bore + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

Stainless steel piston rods are also available, for example: 21.X2D.XXXX

Viton seals are also available, for example: 21.X3D.XXXX

(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4D.XXXX



Groove cover for use with sensors, 2000mm length.

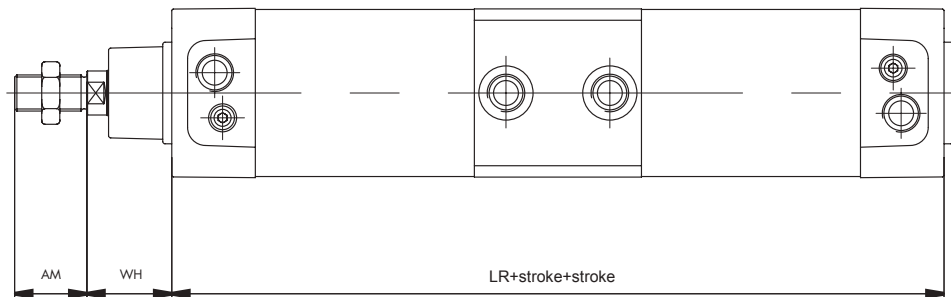
Order code: 20.001



Standard groove cover, specify length required.

Order code: 20.002

See "Double Acting (ISO 15552)" for additional dimensions.



Cleanline Pneumatic Cylinder

Double Acting Through-Rod Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



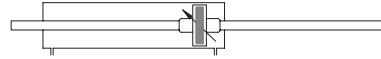
The picture above is an indication of design only.
See dimensional drawings.

Other information:



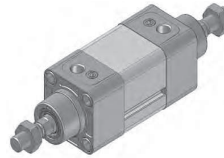
For ATEX certification use code "X" for example 21.1XB.XXXX
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8401/M8402/M8403.

Ø	AM	WH	L8+
32	22	26	94
40	24	30	105
50	32	37	106
63	32	37	121
80	40	46	128
100	40	51	138



Dimensional drawings & ordering information

To order:	21.11B.XXXX	32mm bore + stroke
	21.21B.XXXX	40mm bore + stroke
	21.31B.XXXX	50mm bore + stroke
	21.41B.XXXX	63mm bore + stroke
	21.51B.XXXX	80mm bore + stroke
	21.61B.XXXX	100mm bore + stroke



Stainless steel piston rods are also available, for example: 21.X2B.XXXX

Viton seals are also available, for example: 21.X3B.XXXX

(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4B.XXXX

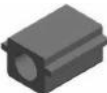
Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm



Groove cover for use with sensors, 2000mm length.

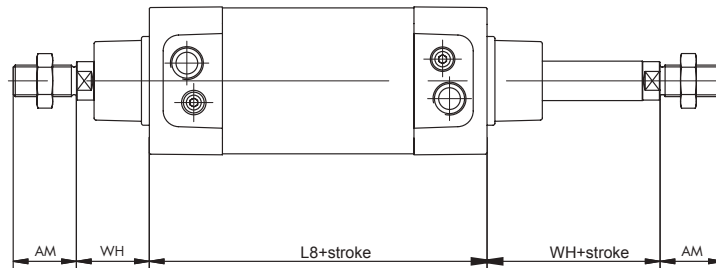
Order code: 20.001



Standard groove cover, specify length required.

Order code: 20.002

See "Double Acting (ISO 15552)" for additional dimensions.



Cleanline Pneumatic Cylinder

Double Acting Two-Stroke Tandem Ø 32mm - 100mm

Technical information

Operating pressure:	Max. 10 bar
Temperature range:	-20°C...+80°C (Dry air for below 0°C)
Housing/end caps:	Aluminium alloy
Rod:	C45 chromium plated steel (Optional Stainless steel)
Seals:	NBR/polyurethane (Optional Viton -10°C...+150°C)
Lubricant:	Not required
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



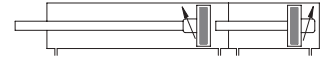
The picture above is an indication of design only.
See dimensional drawings.

Other information:



For ATEX certification use code "X" for example 21.1XE.XXXX.YYYY
Sensors are available for this product, see data sheets TX1004/TX1005.
Mountings are available for this product, see data sheets M8400/M8401/M8402/M8403.

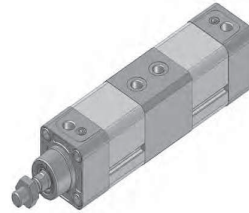
Ø	AM	WH	LR
32	22	26	188
40	24	30	210
50	32	37	212
63	32	37	242
80	40	46	256
100	40	51	276



Two separated rods pass through the cylinder covers, the back piston rod pushes against the front rod to achieve two sequential positions. The stroke length of the rear cylinder (YYYY) must be less than the stroke of the front cylinder (XXXX).

Dimensional drawings & ordering information

To order:	21.11E.XXXX.YYYY	32mm bore + stroke + stroke
	21.21E.XXXX.YYYY	40mm bore + stroke + stroke
	21.31E.XXXX.YYYY	50mm bore + stroke + stroke
	21.41E.XXXX.YYYY	63mm bore + stroke + stroke
	21.51E.XXXX.YYYY	80mm bore + stroke + stroke
	21.61E.XXXX.YYYY	100mm bore + stroke + stroke



Length of cushioning:

Ø 32	20mm
Ø 40	22mm
Ø 50	26mm
Ø 63	30mm
Ø 80	32mm
Ø 100	34mm

Stainless steel piston rods are also available, for example: 21.X2E.XXXX.YYYY

Viton seals are also available, for example: 21.X3E.XXXX.YYYY

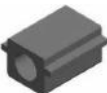
(A maximum temperature limitation of 100 C for the magnet to be effective when sensors are being used).

Both options as above are available, for example: 21.X4E.XXXX.YYYY



Groove cover for use with sensors, 2000mm length.

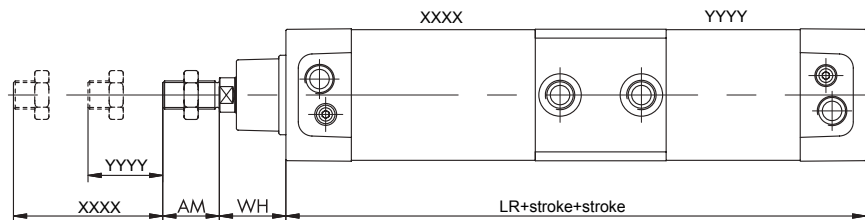
Order code: **20.001**



Standard groove cover, specify length required.

Order code: **20.002**

See "Double Acting (ISO 15552)" for additional dimensions.

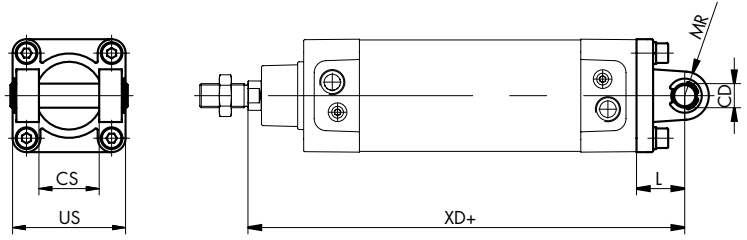


Cleanline Cylinder Mountings

Female Trunnion

Code	Ø	CS	US	L	XD+	CD	MR
18.001.01	32	26	45	22	142	10	11
18.001.02	40	28	52	25	160	12	13
18.001.03	50	32	65	27	170	12	13
18.001.04	63	40	75	32	190	16	17
18.001.05	80	50	95	36	210	16	17
18.001.06	100	60	115	41	230	20	21

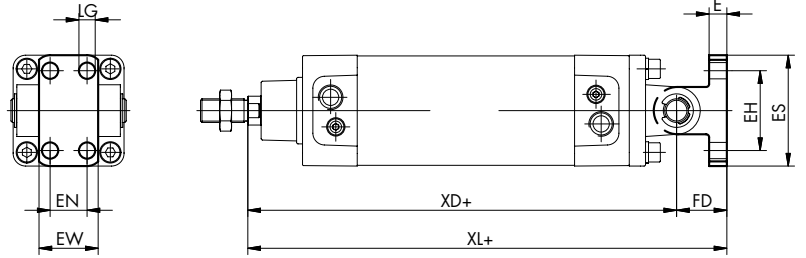
Includes bolt & fixing
screws



Trunnion Mounting Bracket

Code	Ø	LG	EN	EW	XL+	XD+	FD	EH	ES	E
18.003.01	32	7	-	25	160	142	18	28	40	8
18.003.02	40	9	16	28	186	160	26	38	52	10
18.003.03	50	9	16	32	196	170	26	38	52	10
18.003.04	63	11	25	40	224	190	34	54	75	12
18.003.05	80	11	25	50	244	210	34	54	75	12
18.003.06	100	14	32	60	271	230	41	90	115	16

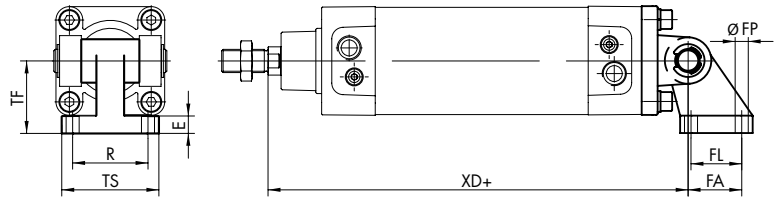
For use with Female
Trunnion 18.001.0X



Mounting Flange 90°

Code	Ø	TS	R	FP	XD+	FA	FL	TF	E
18.014.01	32	38	31	7	142	21	18	32	8
18.014.02	40	41	35	7	160	24	22	36	10
18.014.03	50	50	45	9	170	33	30	45	12
18.014.04	63	52	50	9	190	37	35	50	12
18.014.05	80	66	60	11	210	47	40	63	14
18.014.06	100	76	70	14	230	55	50	71	15

For use with Female
Trunnion 18.001.0X

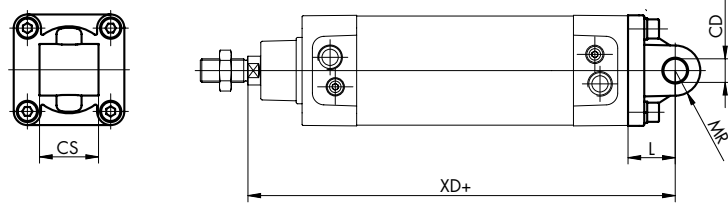


Cleanline Cylinder Mountings

Male Trunnion

Code	Ø	CS	L	XD+	CD	MR
18.002.01	32	26	22	142	10	11
18.002.02	40	28	25	160	12	13
18.002.03	50	32	27	170	12	13
18.002.04	63	40	32	190	16	17
18.002.05	80	50	36	210	16	17
18.002.06	100	60	41	230	20	21

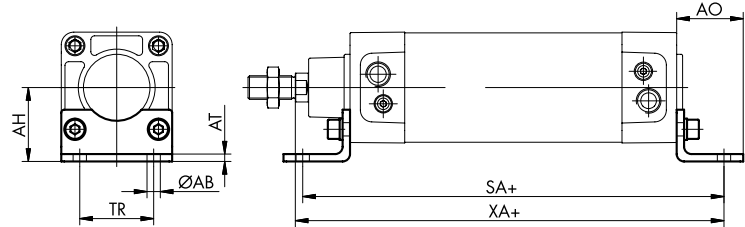
Includes fixing bolts.



Mounting Bracket

Code	Ø	AT	AH	TR	AB	SA+	XA+	AO
18.005.01	32	4	32	32	7	142	144	35
18.005.02	40	4	36	36	9	161	163	43
18.005.03	50	4	45	45	9	170	175	47
18.005.04	63	6	50	50	9	185	190	47
18.005.05	80	6	63	63	12	210	215	61
18.005.06	100	6	71	75	14	220	230	66

Includes fixing bolts
(One bracket supplied).

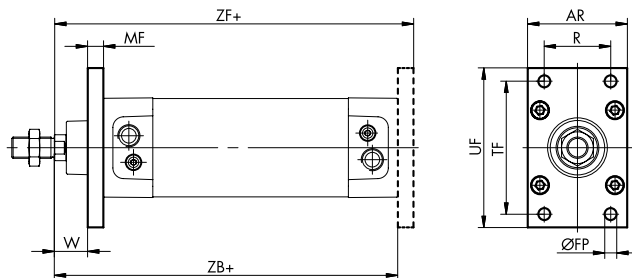


Mounting Plate

Code	Ø	W	ZF+	R	FP	TF	UF	ZB+	AR	MF
18.006.01	32	16	130	32	7	64	80	120	50	10
18.006.02	40	20	145	36	9	72	90	135	55	10
18.006.03	50	25	155	45	9	90	110	143	65	12
18.006.04	63	25	170	50	9	100	120	158	75	12
18.006.05	80	31	189	63	12	126	150	174	95	15
18.006.06	100	36	204	75	14	150	178	189	115	15

Includes fixing bolts
(One plate supplied).

Rear mounting only
for Multi-Tandem
cylinders.

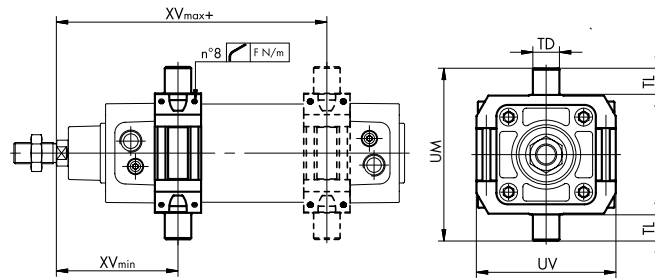


Cleanline Cylinder Mountings

Swivel Bearing

Code	$\varnothing$	TD e ⁹	TL h ¹⁴	UM	UV	XVmin	XVmax+	F [N/m]
21.1R.07	32	12	12	74	65	66.5	79.5	2
21.2R.07	40	16	16	95	75	71	94	2
21.3R.07	50	16	16	107	85	80	100	2.5
21.4R.07	63	20	20	130	105	91.5	103.5	2.5
21.5R.07	80	20	20	150	130	101	118.5	5
21.6R.07	100	25	25	182	145	113.5	126.5	5

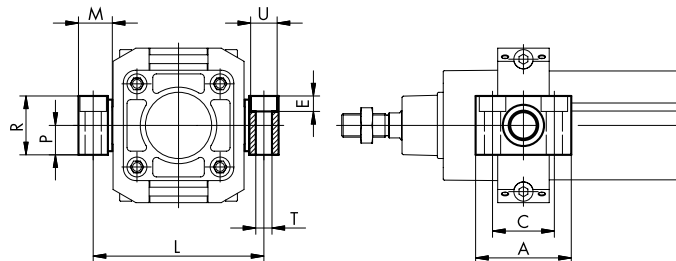
Adjustable positioning.



Swivel Bearing Supports

Code	$\varnothing$	A	C	P	R	M	L	$\varnothing T$	$\varnothing U$	E
20.007.11	32	46	32	15	30	18	71	7	11	6.5
20.007.12	40	55	36	18	36	21	87	9	15	8.5
20.007.12	50	55	36	18	36	21	99	9	15	9.5
20.007.14	63	65	42	20	40	23	116	11	18	10.5
20.007.14	80	65	42	20	40	23	136	11	18	10.5
20.007.16	100	75	50	25	14	28.5	164	13	20	12.5

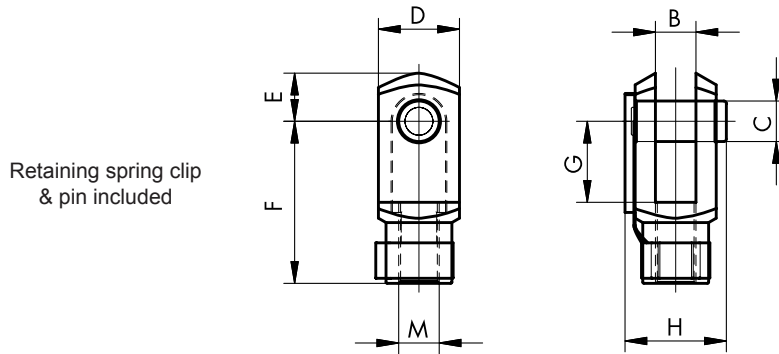
Two pieces supplied per order.



Cleanline Cylinder Mountings

Clevis

Code	Ø	M	B	C	D	E	F	G	H
18.008.01	32	M10x1.25	10	10	20	12	40	20	26
18.008.02	40	M12x1.25	12	12	24	14	48	24	32
18.008.03	50	M16x1.5	16	16	32	19	64	32	40
18.008.03	63	M16x1.5	16	16	32	19	64	32	40
18.008.04	80	M20x1.5	20	20	40	25	80	40	48
18.008.04	100	M20x1.5	20	20	40	25	80	40	48



Spherical Rod End

Code	Ø	A	B	C	d ^{H7}	E	F	G	H	SW
18.009.01	32	M10x1.25	14	20	10	28	19	57	43	17
18.009.02	40	M12x1.25	16	22	12	32	22	66	50	19
18.009.03	50	M16x1.5	21	28	16	42	27	85	64	22
18.009.03	63	M16x1.5	21	28	16	42	27	85	64	22
18.009.04	80	M20x1.5	25	33	20	50	34	102	77	30
18.009.04	100	M20x1.5	25	33	20	50	34	102	77	30

