

Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type S) Ø 5mm - 8mm

Technical information

Operating pressure:	Ø5mm 2-10 bar/Ø8mm 1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

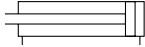


For ATEX certification use code "X" for example 38.X.250.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	L	M	SW	V	Max stroke available
5	8	M6x0.5	6	M2	4.5	10	M5	8	6.5	-	-	29.5	4.3	-	3	50 mm
8	6.5	M6x0.5	7.5	M3	6	10	M5	-	10	-	-	46.5	7.3	-	3	150 mm

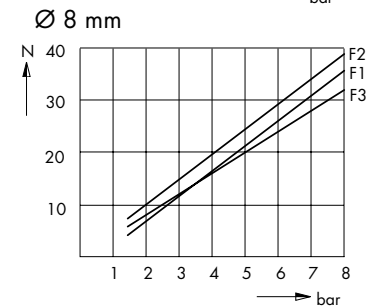
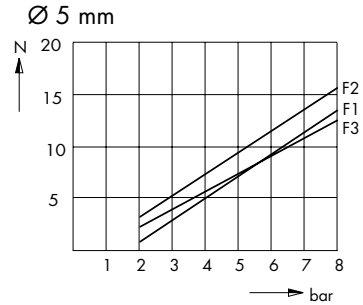
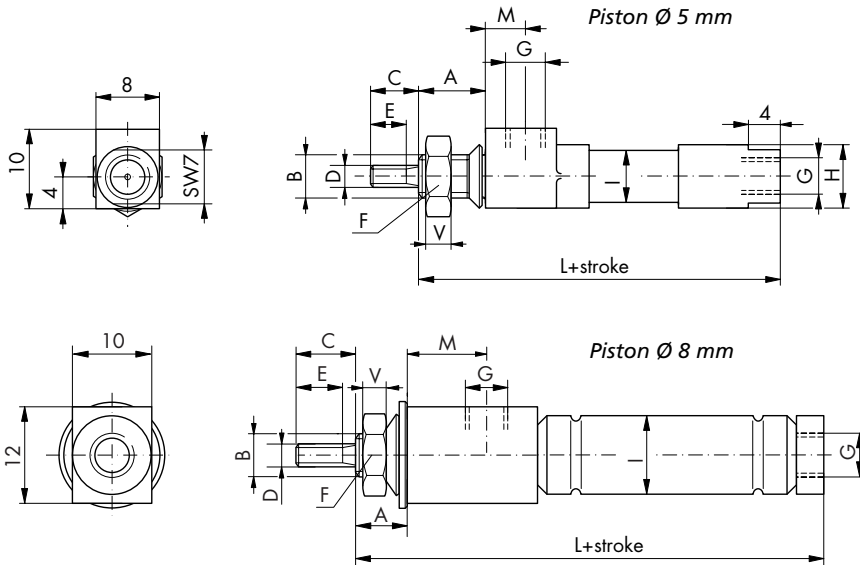
Dimensional drawings

To order:



40.250.XXX 5mm bore + stroke
38.250.XXX 8mm bore + stroke

Example 38.250.050



F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type U) Ø 5mm - 8mm

Technical information

Operating pressure:	Ø5mm 2-10 bar/Ø8mm 1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

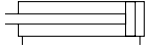


For ATEX certification use code "X" for example 38.X.290.XXX (8mm only)
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	L	M	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
5	8	M6x0.5	6	M2	4.5	10	M5	-	6.5	-	-	36	4.3	4.3	6.5	3.5	2.5	M6x0.5	3.6	-	-	-	3	50 mm
8	6.5	M6x0.5	7.5	M3	6	10	M5	-	10	-	-	57	7.3	4.3	6.5	3	2.5	M6x0.5	3.6	-	-	-	3	150 mm

Dimensional drawings

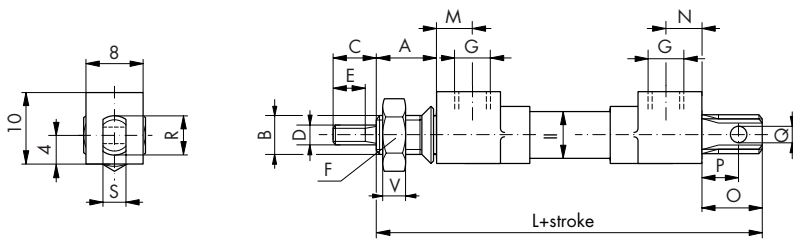
To order:



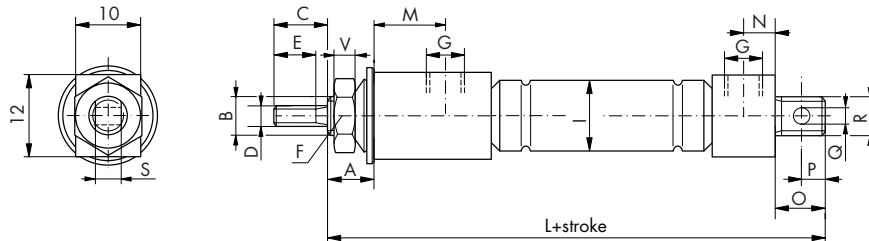
40.290.XXX 5mm bore + stroke
38.290.XXX 8mm bore + stroke

Example 38.290.050

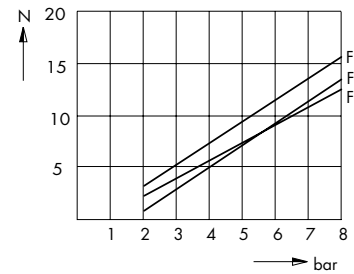
Piston Ø 5 mm



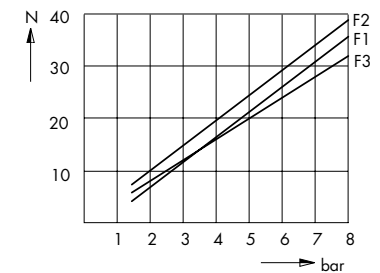
Piston Ø 8 mm



Ø 5 mm



Ø 8 mm



F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type S) Ø 12mm - 16mm

Technical information

Operating pressure:	1-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

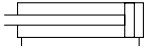


For ATEX certification use code "X" for example 37.X.250.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	L	M	SW	V	Max stroke available
12	11	M10	14.5	M5	12	17	M5	18	16	-	-	54.5	10	-	5	300 mm
16	11	M18x1.5	15	M6	12	24	M5	22	20	-	-	54	6	-	6	350 mm

Dimensional drawings

To order:



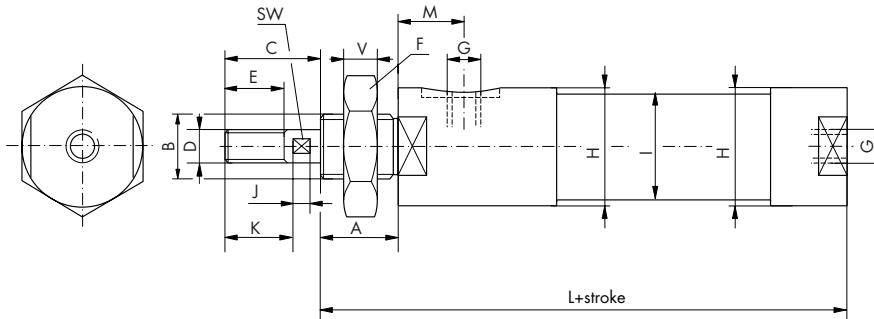
37.250.XXX 12mm bore + stroke
36.250.XXX 16mm bore + stroke

Example 37.250.050

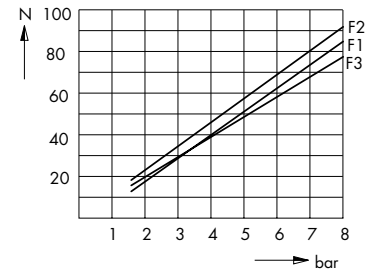
Seal kits

Ø12mm Order code: 37.400.02
Ø16mm Order code: 36.400.01

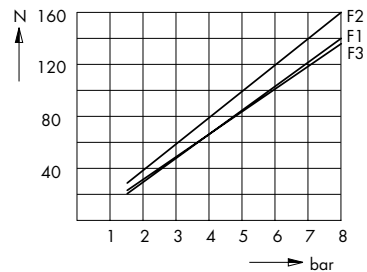
F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke



Ø 12 mm



Ø 16 mm



Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type U) Ø 12mm - 16mm

Technical information

Operating pressure:	1-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

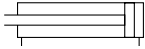


For ATEX certification use code "X" for example 37.X.290.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	ØH	ØI	J	K	L	M	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
12	11	M10	14.5	M5	12	17	M5	18	16	-	-	68	10	4.5	11	5	5	M10x0.75	6	-	17	5	5	300 mm
16	11	M18x1.5	15	M6	12	24	M5	22	20	-	-	69.5	6	4.5	13	7	6	M14x1.5	8.8	-	22	8	6	350 mm

Dimensional drawings

To order:



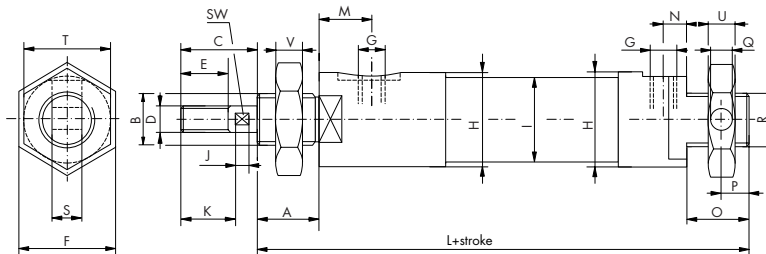
37.290.XXX 12mm bore + stroke
36.290.XXX 16mm bore + stroke

Example 37.290.050

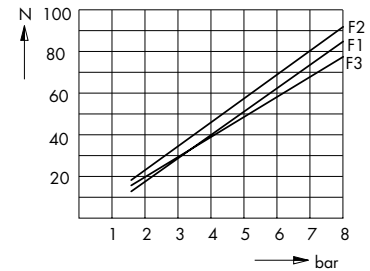
Seal kits

Ø12mm Order code: 37.400.02
Ø16mm Order code: 36.400.01

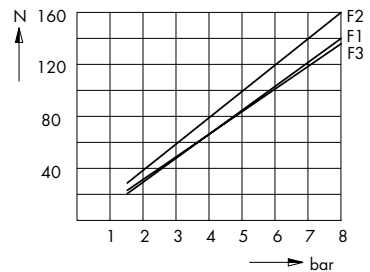
F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke



Ø 12 mm



Ø 16 mm



Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type S) Ø 20mm - 25mm

Technical information

Operating pressure:	0.5-10 bar
Temperature Range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating Medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

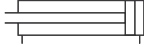


For ATEX certification use code "X" for example 35.X.250.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	L	M	SW	V	Max stroke available
20	15	M22x1.5	21.5	M8	12	30	G1/8	27	24	4	12.5	68.5	9	7	6	500 mm
25	15	M24x1.5	25	M10	15	32	G1/8	32	29	4	16	68.5	9	9	6	500 mm

Dimensional drawings

To order:



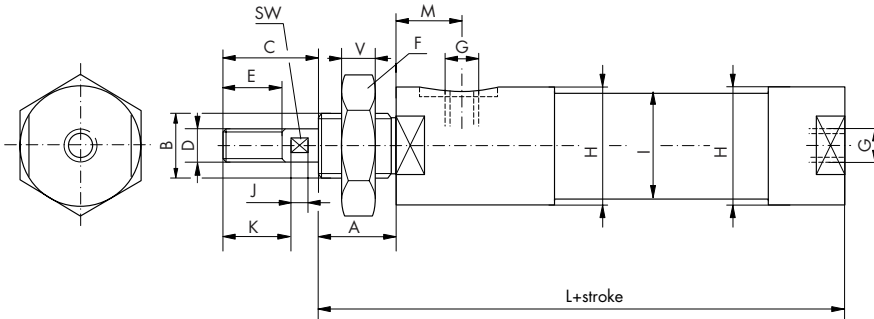
35.250.XXX 20mm bore + stroke
34.250.XXX 25mm bore + stroke

Example **34.250.050**

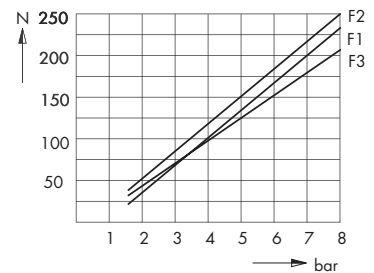
Seal kits

Ø20mm Order code: **35.400.01**
Ø25mm Order code: **34.400.01**

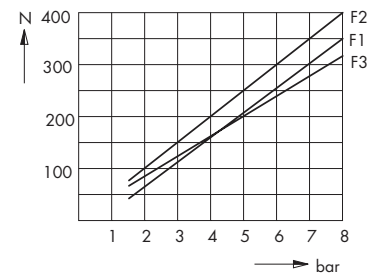
F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke



Ø 20 mm



Ø 25 mm



Kuhnke Pneumatic Brass Cylinder

Double Acting Cylinder (Type U) Ø 20mm - 25mm

Technical information

Operating pressure:	0.5-10 bar
Temperature Range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating Medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

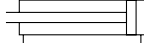


For ATEX certification use code "X" for example 35.X.290.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	ØH	ØI	J	K	L	M	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
20	15	M22x1.5	21.5	M8	12	30	G1/8	27	24	4	12.5	91.5	9	8.5	16	8	8	M22x1.5	13.8	7	-	-	6	500 mm
25	15	M24x1.5	25	M10	15	32	G1/8	32	29	4	16	91.5	9	8.5	16	8	8	M24x1.5	13.8	9	-	-	6	500 mm

Dimensional drawings

To order:



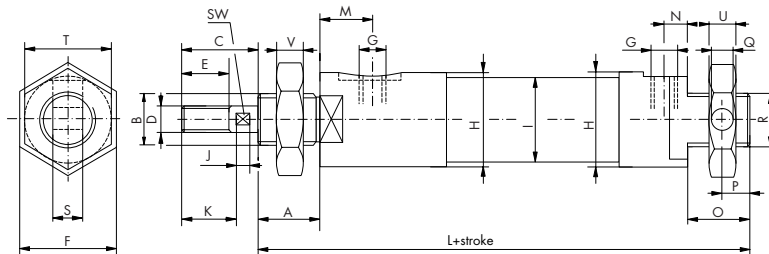
35.290.XXX 20mm bore + stroke
34.290.XXX 25mm bore + stroke

Example **34.290.050**

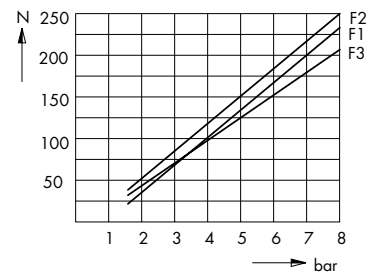
Seal kits

Ø20mm Order code: **35.400.01**
Ø25mm Order code: **34.400.01**

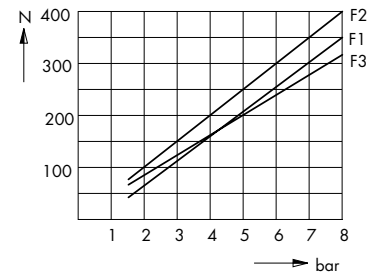
F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke



Ø 20 mm



Ø 25 mm



Kuhnke 40.100 Pneumatic Brass Cylinder

Single Acting Micro Cylinder Ø 3mm x 6mm Stroke

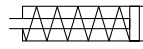
Technical information

Operating pressure:	3-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



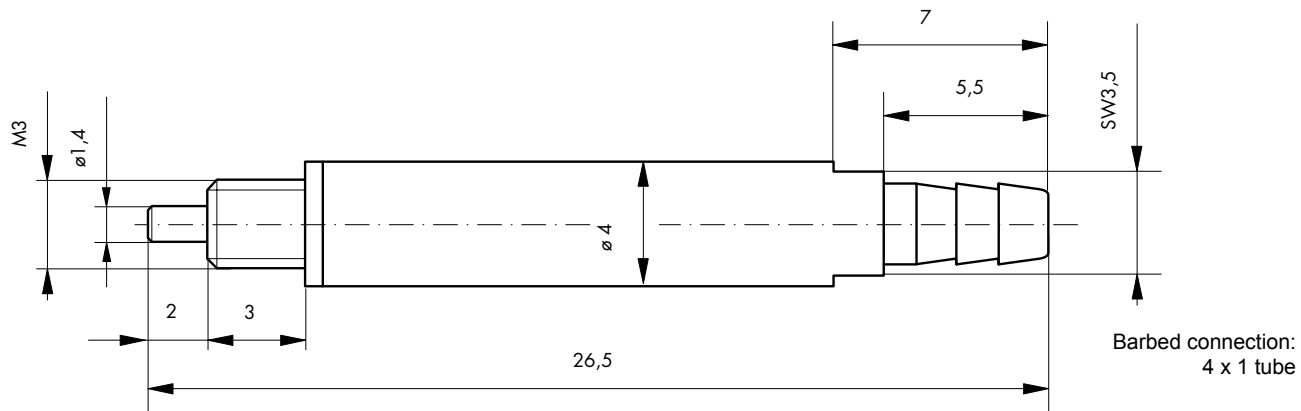
Dimensional drawings

To order:



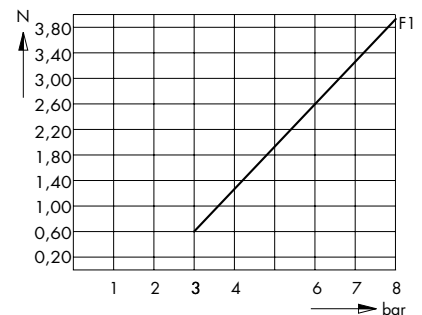
40.100

3mm bore x 6mm stroke



This micro cylinder with a piston diameter of only 3mm has been designed for general purpose use particularly for testing and other applications where there is restricted space.

Ø 3 mm



F1 = single acting cylinders

Springs are designed for the return of the piston not the coupled mass.

Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type S) Ø 5mm - 8mm

Technical information

Operating pressure:	Ø5mm 2.5-10 bar/Ø8mm 2-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:



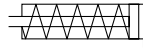
For ATEX certification use code "X" for example 38.X.150.XXX (Ø 8mm only)
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	SW	V	Max stroke available
5	8	M6x0.5	6	M2	4.5	10	M5	8	6.5	-	-	-	3	25 mm
8	8	M6x0.5	7.5	M3	6	10	M5	-	10	-	-	-	3	50 mm

Standard strokes available

Ø	5	5	8	8	8	8
Stroke (mm)	10	25	12.5	25	37.5	50
L	45.5	60.5	52.5	73	94	114.5

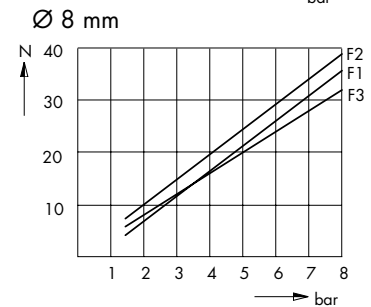
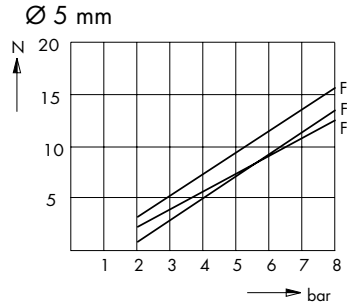
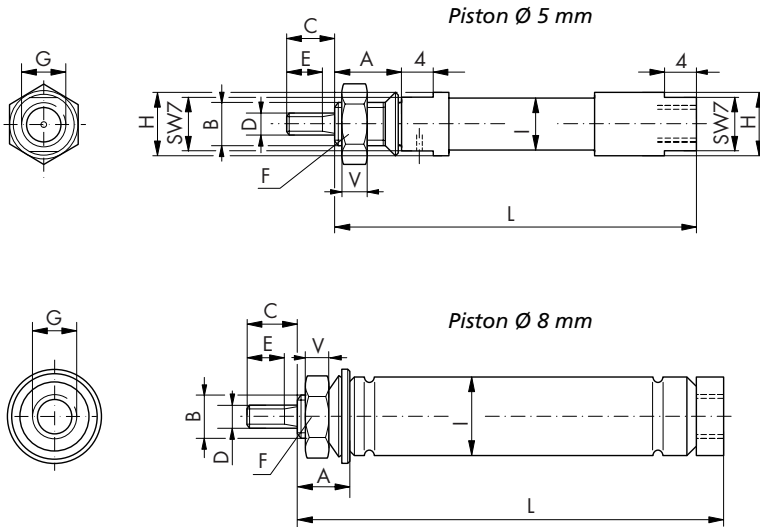
To order:



40.150.XXX 5mm bore + standard stroke
38.150.XXX 8mm bore + standard stroke

Use code 012 for 12.5mm stroke & 037 for 37.5mm stroke, for example 38.150.037.

Dimensional drawings



F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

Springs are designed for the return of the piston not the coupled mass.

Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type U) Ø 5mm - 8mm

Technical information

Operating pressure: Ø5mm 2.5-10 bar/Ø8mm 2-10 bar
Temperature range: -10°C...+70°C
Housing/end caps: Brass
Rod: Cr-Ni steel
Seals: NBR
Lubricant: Shell Tellus C10
Operating medium: 5 micron filtered, lubricated or non-lubricated compressed air.



Other information:



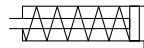
For ATEX certification use code "X" for example 38.X.190.XXX (Ø 8mm only)
Mountings are available for this product, see data sheet M7200

$\emptyset$	A	B	C	D	E	F	G	$\emptyset H$	$\emptyset I$	J	K	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
5	8	M6x0.5	6	M2	4.5	10	M5	8	6.5	-	-	4.3	6.5	3.5	2.5	M6x0.5	3.6	-	-	-	3	25 mm
8	8	M6x0.5	7.5	M3	6	10	M5		10	-	-	4.3	6.5	3	2.5	M6x0.5	3.6	-	-	-	3	50 mm

Standard strokes available

$\emptyset$	5	5	8	8	8	8
Stroke (mm)	10	25	12.5	25	37.5	50
<i>L</i>	52	67	63	83.5	104	125

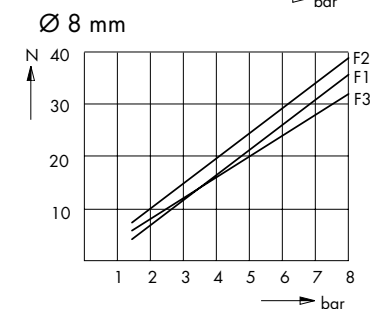
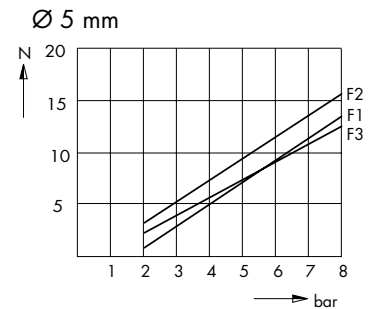
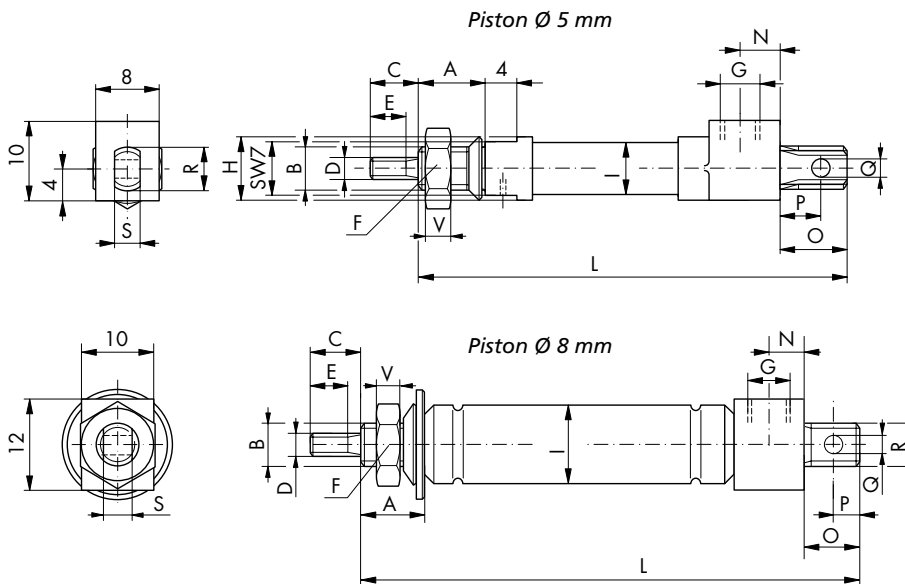
To order:



40.190.XXX	5mm bore + standard stroke
38.190.XXX	8mm bore + standard stroke

Use code 012 for 12.5mm stroke & 037 for 37.5mm stroke , for example **38.190.037**.

Dimensional drawings



F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

Springs are designed for the return of the piston not the coupled mass.

Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type S) Ø 12mm - 16mm

Technical information

Operating pressure:	1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:



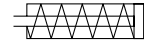
For ATEX certification use code "X" for example 37.X.150.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	SW	V	Max stroke available
12	11	M10	14.5	M5	12	17	M5	18	16	-	-	-	5	62.5 mm
16	11	M18x1.5	15	M6	12	24	M5	22	20	-	-	-	6	80 mm

Standard strokes available

Ø	12	12	12	12	12	16	16	16	16
Stroke (mm)	12.5	25	37.5	50	62.5	20	40	60	80
L	62.5	86	109.5	133	156.5	74.5	111.5	148.5	185.5

To order:



37.150.XXX 12mm bore + standard stroke
36.150.XXX 16mm bore + standard stroke

Use code 012 for 12.5mm stroke/037 for 37.5mm stroke & 062 for 62.5mm, for example **37.150.062**.

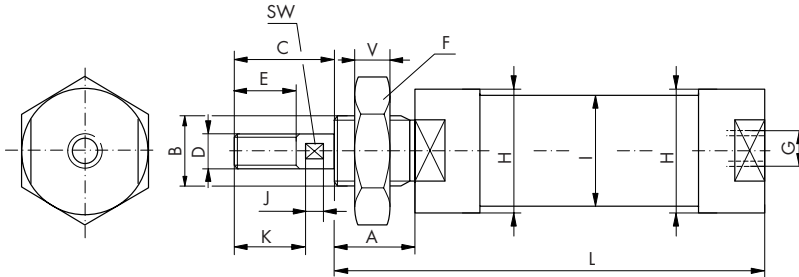
Dimensional drawings

Seal kits

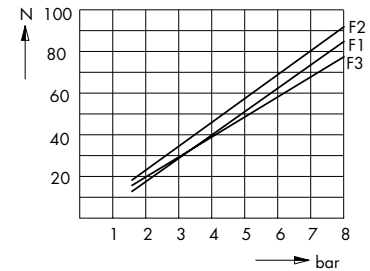
Ø12mm Order code: **37.400.02**
Ø16mm Order code: **36.400.01**

F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

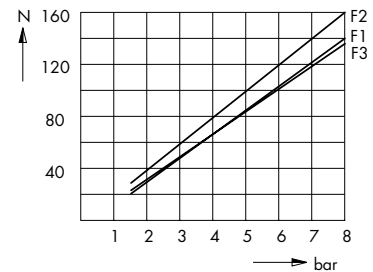
Springs are designed for the return of the piston not the coupled mass.



Ø 12 mm



Ø 16 mm



Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type U) Ø 12mm - 16mm

Technical information

Operating pressure:	1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:



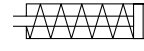
For ATEX certification use code "X" for example 37.X.190.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
12	11	M10	14.5	M5	12	17	M5	18	16	-	-	4.5	11	5	5	M10x0.75	6	-	17	5	5	62.5 mm
16	11	M18x1.5	15	M6	12	24	M5	22	20	-	-	4.5	13	7	6	M14x1.5	8.8	-	22	8	6	80 mm

Standard strokes available

Ø	12	12	12	12	12	16	16	16	16
Stroke (mm)	12.5	25	37.5	50	62.5	20	40	60	80
L	76	99.5	123	146.5	170	90	127	164	201

To order:



37.190.XXX 12mm bore + standard stroke
36.190.XXX 16mm bore + standard stroke

Use code 012 for 12.5mm stroke/037 for 37.5mm stroke & 062 for 62.5mm, for example **37.190.062**.

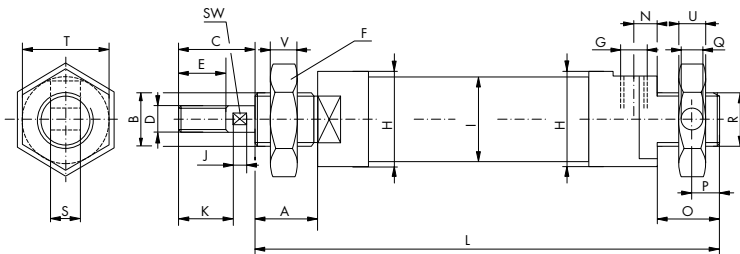
Dimensional drawings

Seal kits

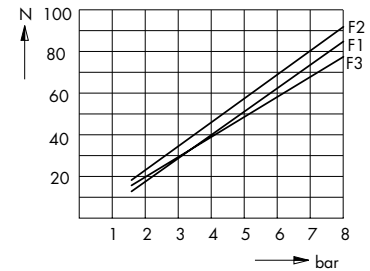
Ø12mm Order code: **37.400.02**
Ø16mm Order code: **36.400.01**

F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

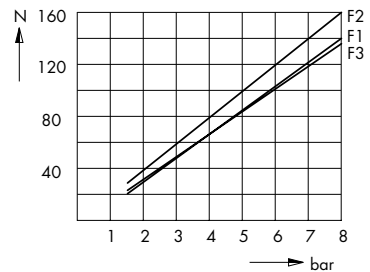
Springs are designed for the return of the piston not the coupled mass.



Ø 12 mm



Ø 16 mm



Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type S) Ø 20mm - 25mm

Technical information

Operating pressure:	1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:



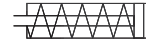
For ATEX certification use code "X" for example 35.X.150.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	Ø H	Ø I	J	K	SW	V	Max stroke available
20	15	M22x1.5	19	M8	12	30	G1/8	27	24	4	12.5	7	6	80 mm
25	15	M24x1.5	22.5	M10	15	32	G1/8	32	29	4	16	7	6	80 mm

Standard strokes available

Ø	20	20	20	20	25	25	25	25
Stroke (mm)	20	40	60	80	20	40	60	80
L	79	116.5	154	191.5	79	116.5	154	191.5

To order:



35.150.XXX

20mm bore + standard stroke

34.150.XXX

25mm bore + standard stroke

Example 34.150.080

Dimensional drawings

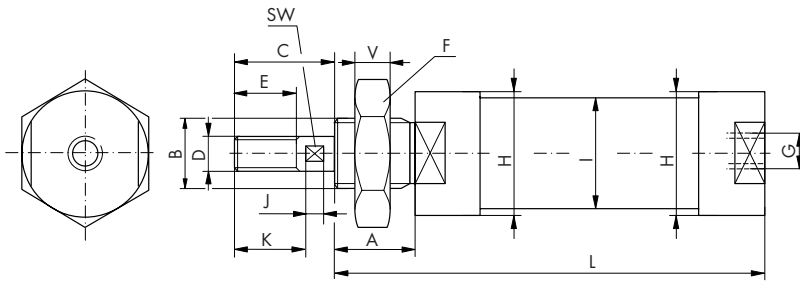
Seal kits

Ø20mm Order code: 35.400.01

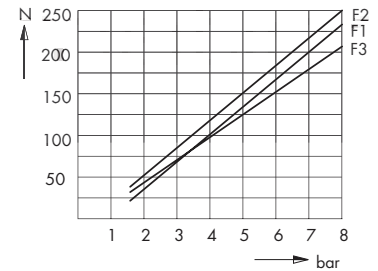
Ø25mm Order code: 34.400.01

F1 = single acting cylinders
F2 = double acting cylinders in forward stroke
F3 = double acting cylinders in return stroke

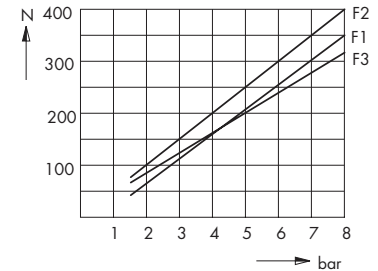
Springs are designed for the return of the piston not the coupled mass.



Ø 20 mm



Ø 25 mm



Kuhnke Pneumatic Brass Cylinder

Single Acting Cylinder (Type U) Ø 20mm - 25mm

Technical information

Operating pressure:	1.5-10 bar
Temperature range:	-10°C...+70°C
Housing/end caps:	Brass
Rod:	Cr-Ni steel
Seals:	NBR
Lubricant:	Shell Tellus C10
Operating medium:	5 micron filtered, lubricated or non-lubricated compressed air.



Other information:

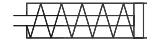


For ATEX certification use code "X" for example 35.X.190.XXX
Mountings are available for this product, see data sheet M7200

Ø	A	B	C	D	E	F	G	ØH	ØI	J	K	N	O	P	Q	R	S	SW	T	U	V	Max stroke available
20	15	M22x1.5	19	M8	12	30	G1/8	27	24	4	12.5	8.5	16	8	8	M22x1.5	13.8	7	-	-	6	80 mm
25	15	M24x1.5	22.5	M10	15	32	G1/8	32	29	4	16	8.5	16	8	8	M24x1.5	13.8	7	-	-	6	80 mm

Standard strokes available

Ø	20	20	20	20	25	25	25	25
Stroke (mm)	20	40	60	80	20	40	60	80
L	102	139.5	177	214.5	102	139.5	177	214.5



35.190.XXX 20mm bore + standard stroke
34.190.XXX 25mm bore + standard stroke

Example 34.190.080

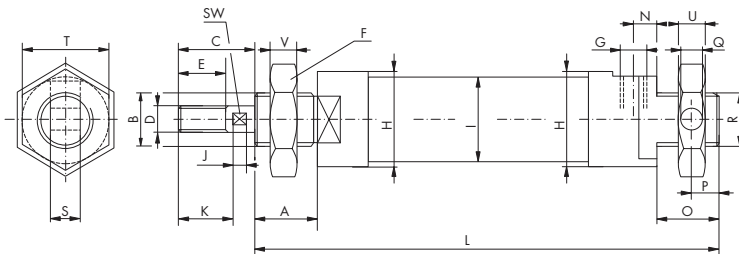
Dimensional drawings

Seal kits

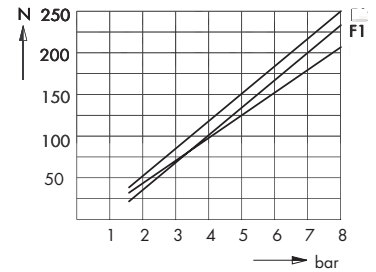
Ø20mm Order code: **35.400.01**
Ø25mm Order code: **34.400.01**

F1 = single acting cylinders
F2 double acting cylinders in forward stroke
F3 double acting cylinders in return stroke

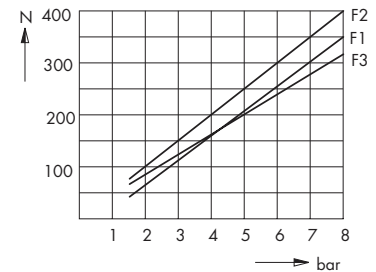
Springs are designed for the return of the piston not the coupled mass.



Ø 20 mm



Ø 25 mm



Brass Cylinder Mountings

Mounting Bracket

Code	Ø	A	B	C	D	E	F	G	H	K
38.302	5, 8	18	25	10	9.5	6	6.1	6	3.5	1.5
37.302	12	24	33	15	12.5	8	10.1	8.5	4.5	2
36.302	16	32	45	22	18	11.5	14.1	13.5	6.6	3
36.312	16	32	45	22	18	11.5	18.1	13.5	6.6	3
35.302	20	40	53	30	25	17	22.1	17	6.6	4.5
34.302	25	40	53	30	25	17	24.1	17	6.6	4.5

Trunnion

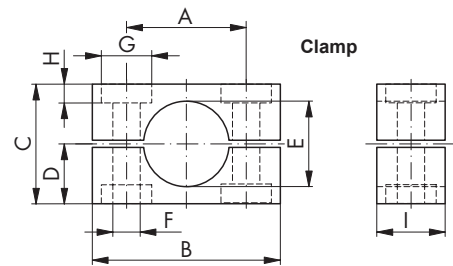
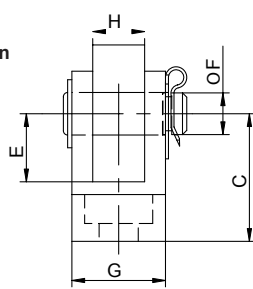
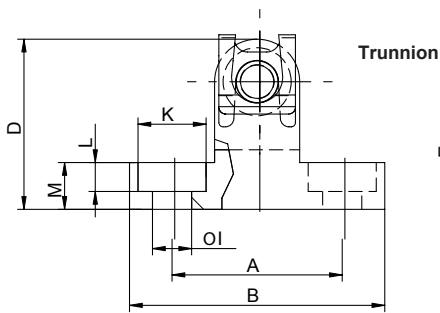
Code	Ø	A	B	C	D	E	F	G	H	I	K	L	M
38.303	5, 8	13	20	10	13	5	2.5	8	3.7	3.2	5.9	2	3.5
37.303	12	20	30	15	20	8	5	11	6.1	4.5	8	3.4	5.5
36.303	16	27	45	22	29	11	6	16	9	7	11	5	9
34.303	20, 25	27	45	30	40	17	8	28	14	7	11	4.8	12

Clevis

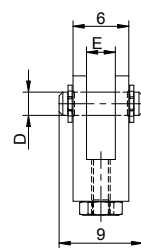
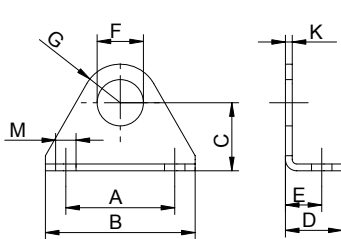
Code	Type	Ø	A	B	C	D	E	F	G	C1
40.304	I	5	12	15	6	2.5	3	6	M2	6
38.304	I	8	12	15	6	2.5	3	6	M3	6
37.304	II	12	20	26	16	5	5	10	M5	-
19.008.07	II	16	24	31	19	6	6	12	M6	-
19.008.08	II	20	32	42	26	8	8	16	M8	-
34.304	II	25	40	52	32	10	10	20	M10	-

Clamp

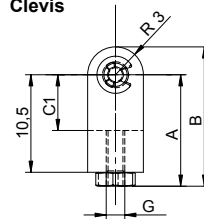
Code	Ø	A	B	C	D	E	Ø F	Ø G	H	I
38.300	8	14	22	14	7	10	3.2	6	2.2	8
37.310	12	22	32	21	11	16	4.3	8	3	10
36.300	16	26	40	25	13	20	5.3	10	3.7	15
35.300	20	32	45	33	17	24	6.4	11	6.5	16
34.300	25	37	50	41	21	29	6.4	11	6.5	20



Mounting Bracket



Type I Clevis



Type II Clevis

