

MF series roundline cylinders

READY MADE | ISO 6432 | DOUBLE ACTING



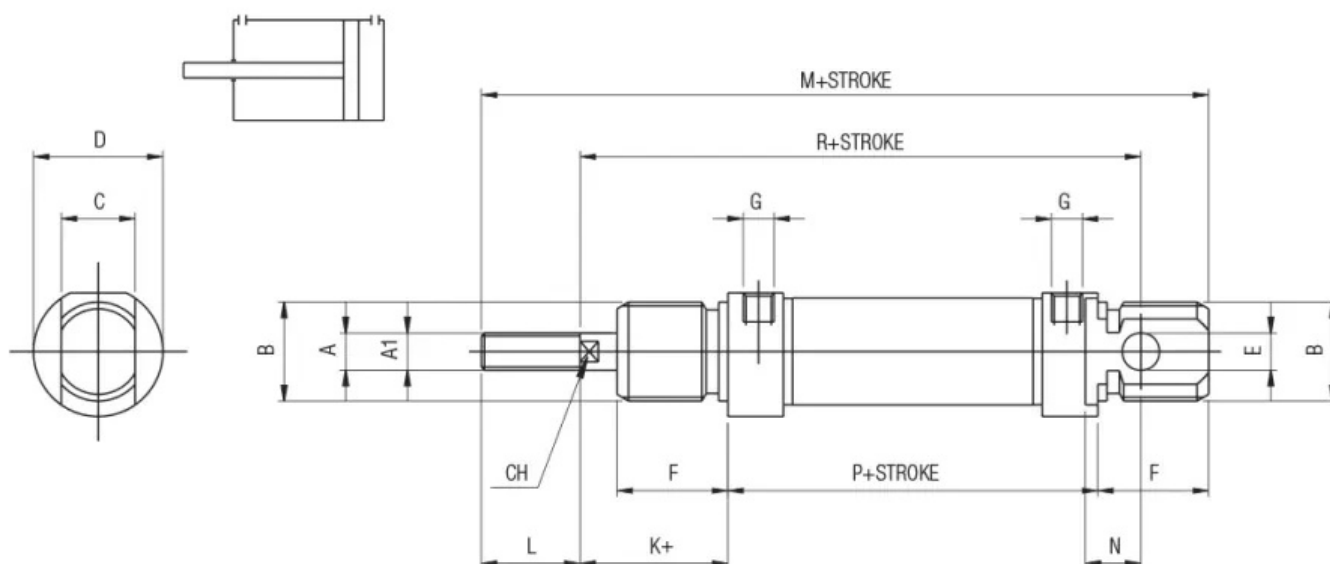
Aignep MF factory cylinders supplied from ATS Pneumatics stock in Christchurch. Select a listed bore and fixed stroke, check the variation stock status and order online. This ready-made product does not accept a custom stroke.

Specification	Ready-made MF
Bore currently listed	25 mm
Listed fixed strokes	10, 25, 50, 80, 100, 125, 150, 160, 200, 250 and 320 mm
Operation	Double acting, single rod, magnetic piston
Working pressure	1-10 bar
Temperature	0 to +80 degrees C; -20 degrees C with dry air
Air supply	Filtered compressed air, lubricated or non-lubricated
Cushioning	Elastic end bumpers; no adjustable pneumatic cushioning
Construction	Stainless steel barrel and rod; aluminium ends
Position sensing	External sensor bracket/adaptor required

Stock status, price and availability are live on the website. A listed stroke is a product option, not a promise of current on-hand stock. Mountings and sensors are additional items.

Selected-stroke dimensions

Aignep MF schematic, rod retracted. Values are in millimetres; this drawing is not to scale.



Drawing reference	25 mm bore base / fixed value
A	M10x1.25
A1	10
B	M22x1.5
C	16
D	30
E	8
F	22
G	G 1/8
K	28
L	22
M	140
N	12
P	68
R	104
CH	9

Add the selected physical stroke to M, R and P only. K is fixed. The downloadable dimension sheet calculates these values for the selected stock variation.

Fixed sizes and force references

Fixed stroke	M + stroke	R + stroke	P + stroke
10	150	114	78
25	165	129	93
50	190	154	118
80	220	184	148
100	240	204	168
125	265	229	193
150	290	254	218
160	300	264	228
200	340	304	268
250	390	354	318
320	460	424	388

Manufacturer force references

Pressure (bar)	Extension (N)	Retraction (N)
1	44	36
2	88	72
3	132	108
4	176	144
5	220	180
6	264	216
7	308	252
8	352	288
9	396	324
10	440	360

Manufacturer reference forces are not guaranteed working load. Allow for friction, acceleration, exhaust backpressure, flow, cushioning energy and external guidance. Use the ATS sizing tool or ask ATS to check the application.

Source: supplied Aignep MINI catalogue MF drawing and force chart; ATS listed stock options checked 14 October 2026. Longer or different strokes can be discussed as a separate made-to-order cylinder.