

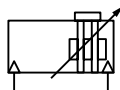
Lightweight design extrusion with universal mounting grooves

Proven and patented sealing system

Dust protection as standard (Ø 25 to 63 mm)

Interchangeability with series C/46000

Ø 16 ... 80 mm



Technical features

Compressed air, filtered,
lubricated or non-lubricated

Operation:

146000/M, 146100/M, 146200/M

Double acting with adjustable
cushioning and magnetic piston

Models:

146000 with internal guide

146100 with external adjustable
guide

146200 with precision roller guide

Operating pressure:

14.5 to 116 psi (1 to 8 bar)

Operating temperature:

-22°F to 176°F

(-30°C to +80°C) max.

(consult our Technical Service
for use below 36°F [+2°C])

Cylinder diameter (mm):

16, 20, 25, 32, 40, 50, 63, 80

Max strokes:

Ø 16 to 40 mm: 27.9' (8500 mm)

Ø 50 and 63 mm: 26.2' (8000 mm)

Ø 80 mm: 18' (5500 mm)

Materials:

End covers: molded plastic
(Ø 16),

diecast aluminum (Ø 25 - 63)

and anodised aluminum

(Ø 20 & 80)

Yoke: anodised aluminum, molded
plastic (Ø 16 & 20)

Carriage, closer & cover: aluminum
diecast

Guiding bridge and profile barrel:
anodised aluminum

Seal strip, wiper and piston seal:
polyurethane

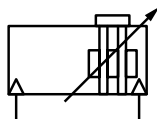
Cover strip: polyamide

Other seals: nitrile rubber

Standard models

Ø	Port size inch (mm)	Internal guide magnetic	External guide magnetic	Precision roller guide magnetic
16	- (M5)	M/146016/M/*	M/146116/M/*	-
20	1/8 NPT (G-1/8)	*146020/M/*	*146120/M/*	-
25	1/8 NPT (G-1/8)	*146025/M*	*146125/M*	*146225/M*
32	1/4 NPT (G-1/4)	*146032/M*	*146132/M*	*146232/M*
40	1/4 NPT (G-1/4)	*146040/M*	*146140/M*	*146240/M*
50	3/8 NPT (G-3/8)	*146050/M*	*146150/M*	*146250/M*
63	1/2 NPT (G-1/2)	*146063/M*	*146163/M*	*146263/M*
80	1/2 NPT (G-1/2)	*146080/M*	*146180/M*	-

*Insert stroke (inches for models with a "C" in the first position and mm for models with an "M" in first position)



Magnetic piston



Options selector

C / 146 ★★★ / MC / ★★★★★

Ported models	Substitute
NPT ports (Ø 20 to 80 mm)	C
Metric ports (Ø 16 to 80 mm)	M
Guiding system	Substitute
Internal	0
External	1
Roller	2
Cylinder Ø (mm)	Substitute
16	16
20	20
25	25
32	32
40	40
50	50
63	63
80	80

Note: Disregard option positions not used.

For combinations of cylinder variants consult our Technical Service.

This options selector explains only the cylinder variants.

Additional variants/options are not possible.

Strokes (on request)	
Provide in Inches	C version
Provide in Metric	M version
Options (magnetic piston) STD.	Substitute
Magnetic piston (standard on 16, 20, and 80 mm bores)	M
Alternative ports (standard 25, 32, 40, 50, 63 mm bores)	MC ¹
Active brake (25 to 63 mm bores)	L3
Passive brake (25 to 63 mm bores)	L4
With added caged ball linear motion guide	PM†
With linear position sensor (32 to 63 mm bores)	F1
Double carriages *	MD**

* For C/146100 & C/146200 only

** MD option available in 1461** External and 1462** Roller guided carriage

C/146***/MD/****/*****
Effective stroke ← → Distance between carriage centers (inches)

1 Not available on 16, 20, 80 mm bores.

† Order PM option as 1462**

Ordering information

Cylinder

LINTRA® cylinder with internal guiding system.

Ø 32 mm cylinder diameter and 10' (3000 mm) stroke length with magnetic piston, and NPT ports.

Quote: **C/146032/MC/120**