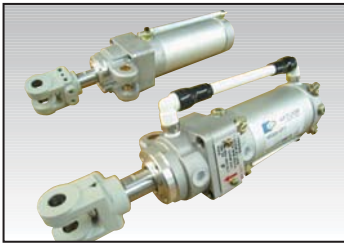
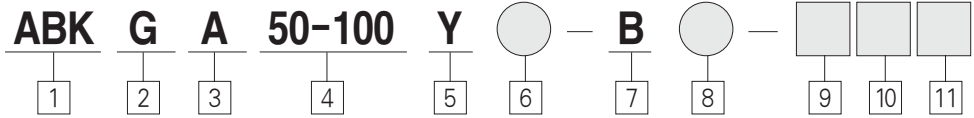


Clamp Cylinder With Lock Series ABK



- Built-in coil scraper for removing contamination on piston rod.
- Built-in air cushion and speed controller on both rod and head side.
- Locking and unlocking can be chosen by bolt / Manual unlocking.
- The same jig position as standard clamp cylinders(AJ)

How to Order



1 Actuator Brake clamp cylinder

2 Magnetic

- Blank : without magnetic
 G : Standard magnetic resistant type
 P : Intense-magnetic resistant type

3 Clevis width

- A : 16.5mm
 B : 19.5mm

4 Bore size(mm) – stroke(mm)

- ∅50 – 50,75,100,125,150
 ∅63 – 50,75,100,125,150

5 End bracket

- Blank : without bracket
 Y : double knuckle joint

6 Mount

- B : Limit switch mount
 D : dog fitting
 19 : Foot mount

7 Locking position

- B : Clamp side lock
 F : Unclamp side lock

8 Port position

- Blank : UPPER
 R : RIGHT
 L : LEFT



Blank : UPPER R : RIGHT L : LEFT

9 Auto switch

- Blank : without auto switch
 A54K : standard magnetic resistant reed switch
 W2P : standard magnetic resistant solid state switch
 P70R,P74R : intense-magnetic resistant reed switch

10 Number of auto switches

- Blank : 2 pcs
 S : 1 pc
 N : n pcs

11 Length of lead wire

- L : 3m
 Z : 5m

Cylinder Specifications

Actuation	Double acting, single rod
Fluid	Air
Proof pressure	1.5MPa
Maximum operating pressure	1.0MPa
Minimum operating pressure	0.2MPa
Ambient and fluid temperature	5°C ~ 60°C
Piston speed	50~500mm/s
Cushion	Both upclamp side(head side) and clamp side(rod side)
Lubrication	Non-lube
Stroke length tolerance	0/+1.0
Speed controller	Standard
Mounting	Double clevis

※ Note) Cylinder specifications are the same as standard clamp cylinders except minimum operating pressure.

Lock Specifications

Bore size(mm)	∅50	∅63
Lock action	Spring lock	
Note1) Unlocking pressure	0.2MPa and more	
Note2) Locking directions	One direction(clamp side, unclamp size)	
Note3) Lock holding force N	1,519(155Kg) ± 3%	1,974(200Kg) ± 3%
Lock application	Drop prevention, Position holding	

※ Note1) For well-unlocking, we recommend air pressure of 0.5Mpa or more.

※ Note2) There is no specification differences in lock directions.

※ Note3) Locking holding force is maximum load. For your safety, we recommend 40% load out of maximum lock holding force.

ACP/
UACP

APM

AS

AX

AM

AM2

AL/
ALX

AQ/
UAQ

ADQCP

AQ2/
UADQ2

AG/
UAG

NGQ/
UNGG

AJ/
AJM

ABK

NSK

GX/
AGX

NDM

ADR

AMR/
UAMR

NST

AST

ASTH

NF

NLCD

NLCS

TCRL

NP

ARD/
UARD

NR

ASL

SB

SAH

CR/
CV

CR/
CV-AQ2,ADQ2

CR/
CV-AX

CR/
CV-NLCD

CR/
CV-AGL

DR100

RS

DV1000/
3000/4000

DS300
DS2000