• Built in speed controller

using lock release bolt

• Applies magnetic resistant field and

a general subminiature auto S/W

• Simple equipment setting available

Marking symbol

Double-Action Single Rod APM Series NBP NBP D 50 - 100 B V M B - W2P As Bore Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AM Image: Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AM Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Am Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Size: Ø50, Ø63 Image: Size: Size: Ø50, Ø63 Image: Size: Ø50, Ø63 Image: Size: Si	Flat-type single rod cylinder /	How t	o Order	ACP UACP
Bore Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX MM AM AM AM AM AM AM Image: Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX Image: Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø5, 05, 05, 05, 05, 05, 05, 05, 05, 05, 0	Double-Action Single Rod			APM
Bore Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX MM AM AM AM AM AM AM Image: Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX Image: Size: Ø50, Ø63 1 2 3 4 5 6 7 8 9 10 AX Image: Size: Ø50, Ø63 Image: Size: Ø50, Ø5, 05, 05, 05, 05, 05, 05, 05, 05, 05, 0	Series NBP	NBP D 50 – 100 B	V M B – W2P	AS
 I NBP : Lock specification I Magnet I Magnet I Setting magnet I Mounting Blank : None I Mounting Blank : None I Mounting Blank : None I Mounting I Head's 2-thread clevis I Namber of Switches I Number of Switches I Nuckle (not is form) + head cover 				AX
 I NBP : Lock specification I NBP : Lock specification I MBP : Lock specification I Magnet - resistant field auto switch I Lock direction I Lock direction I Lock direction I Magnet - resistant field auto switch I Lock direction I Lock direction<td>Bore Size: Ø50, Ø63</td><td>1 2 3 4</td><td>5 6 7 8 9 10</td><td>AM</td>	Bore Size: Ø50, Ø63	1 2 3 4	5 6 7 8 9 10	AM
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Mounting Y knuckle (Rod's bolt) + head cover (S 2-thread clevis) C Y knuckle (Rod's bolt) + head cover (Knuckle (Rod's				AM2
 2 Magnet Blank : None D : Built-in magnet 3 Bore-Stroke(mm) Ø50 : 50, 75, 100, 125, 150, 200 Ø63 : 50, 75, 100, 125, 150, 200 9 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin 4 Mounting Blank : None Blank : Pone Blank : Pone 		NBP : Lock specification		
 Blank : None D : Built-in magnet D : Built-in magnet D : Built-in magnet Bore-Stroke(mm) Ø50 : 50, 75, 100, 125, 150, 200 Ø63 : 50, 75, 100, 125, 150, 200 Ø Mounting Blank : None ACK1 Blank : None ACK1 Blank : None ACK1 Blank : None C : Y knuckle (Rod's bot!) E : Head's 2-thread clevis HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover Number of Switches Blank : 2 pcs. 	1			(U)AQ
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Mounting Y knuckle (cold's bolt) E : Head's 2-thread clevis HB : Y knuckle (coldy for rod male screw) (knuckle width of 18mm) + head cover 	11		· ·	
 3 Bore-Stroke(mm) Ø50 : 50, 75, 100, 125, 150, 200 Ø63 : 50, 75, 100, 125, 150, 200 9 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type A Mounting Biank : None Y knuckle (Rod's bolt) + head cover's 2-thread clevis C : Y knuckle (Rod's bolt) E : Head's 2-thread clevis HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover Number of Switches Blank : 2 pcs. 		D : Built-in magnet		
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Mounting Y knuckle (not's bolt) + head cover's 2-thread clevis C : Y knuckle (Rod's bolt) + head clevis C : Y knuckle (Rod's bolt) E : Head's 2-thread clevis Multiple is manual. 		3 Bore-Stroke(mm)		
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Wounting Blank : None Y knuckle (Rod's bolt) + head cover's 2-thread clevis C : Y knuckle (Rod's bolt) E : Head's 2-thread clevis HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover 			7 Lock direction	
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Mounting Blank : None Muckle (Rod's bolt) + head cover's 2-thread clevis HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover Blank : 2 pcs. 		Ø63:50,75,100,125,150,200	0	NGQ
 Improves degree of parallelization on attachment area and reduces rod end wobbling due to the application of dowel pin Coil scraper built in Rod spinning prevention type Mounting Blank : None Mounting Blank : None Bink : None Magnet-resistant field auto switch ACK1 P Lead Wire Length Image: State of the application (Kinuckle (only for rod male screw) (Kinuckle width of 18mm) + head cover Bink : 2 pcs. 			F: When moving forward Lock	
Implementation of dowel pin Implementation of dowel pin Blank : None Implementation bit is a manual field auto switch ABK Implementation of dowel pin B : Y knuckle (Rod's bolt) + head cover's 2-thread clevis B : Y knuckle (Rod's bolt) + head cover's 2-thread clevis Implementation of dowel pin Implementation bit is a manual field auto switch ACK1 Implementation of dowel pin C : Y knuckle (Rod's bolt) Implementation bit is a manual field auto switch Implementation bit is a manual field auto switch ACK1 Implementation of dowel pin C : Y knuckle (Rod's bolt) Implementation bit is a manual field auto switch Implementation bit is a manual field au			8 Auto switch	
end wobbling due to the application of dowel pin B : Y knuckle (Rod's bolt) + head cover's 2-thread clevis C : Y knuckle (Rod's bolt) P Image: C : Y knuckle (Rod's bolt) Image: C : S m (W2P only for W2P switch) Image: C Image: C Image: C Image: C : S m (W2P only for W2P switch) Image: C Image: C Image: C Image: C : S m (W2P only for W2P switch) Image: C	· · ·			ABK
end wobbling due to the application head cover's 2-thread clevis Image: Cover's 2-thread clevis of dowel pin C : Y knuckle (Rod's bolt) Z : 5m (W2P only for W2P switch) Coil scraper built in E : Head's 2-thread clevis Image: Cover's 2-thread clevis Rod spinning prevention type HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover Image: Cover's 2-thread clevis			W2P : Magnet-resistant field auto switch	ACK1
of dowel pin C : Y knuckle (Rod's bolt) Z : 5m (W2P only for W2P switch) • Coil scraper built in E : Head's 2–thread clevis • Rod spinning prevention type HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover • D : it is manual Image: C : Y knuckle (Not is bolt)	end wobbling due to the application		9 Lead Wire Length	
Coil scraper built in E : Head s 2-thread clevis Rod spinning prevention type HB : Y knuckle (only for rod male screw) (knuckle width of 18mm) + head cover Blank : 2 pcs. ID Number of Switches Blank : 2 pcs.	of dowel pin			
Rod spinning prevention type (knuckle width of 18mm) + head cover Blank : 2 pcs.	Coil scraper built in			AGX
	Rod spinning prevention type			NDC
	Built in magnet	······		NDM

Product Specification 50 63 Tube internal diameter Double-action single rod Operating Method Fluid in use Air 1.5MPa (15.3kgf/cm²) Guaranteed inner pressure 1.0MPa (9.9kfg/cm2) Maximum pressure for use 0.2MPa (1.9kgf/cm2) Minimum pressure for use (in case of no load) 5° C $\sim 60^{\circ}$ C Ambient temperature and fluid in use temperature 50~500mm/s Speed of piston in use Rubber Cushion Cushion Fueling None Permissible tolerance of stroke length 0/+1.4 Speed controller Built-in

			_ L	
Lock Specification				
Tube internel dismeter	50	63	N	
Tube internal diameter			니는	
Lock operating method	Spring lock		_ N	
Note1)Lock release pressure (without loading)	0.2 MPa or more		-	
Note2)Lock direction	One way (clamp side; unclamp side)		Ľ	
Note3)Lock retentivityN(kgf)	Lock release pressure of up to 0.5MPa		- N	
(max. static load)	1519 (155kgf)	1974 (201kgf)		
Lock applications	To prevent dropping; maintain position		Ľ	
	1 11	<u> </u>	- In	

Note1) Using more than 0.5MPa pressure is recommended for the purpose of smooth lock releasing in case of load application.

Note2) The same specifications regardless of lock direction (forward, backward)

Note3) Lock retentivity is the max, static load; for stability, please set load less than 40% of the max, static load.

_		
T.	DC	
<u> </u>		MOTION

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NRC NFH2 NFH2 NFW2 NFP2 NFS SB ABC SAH NBU ACU SE

ARM

ADR

NΡ

NBP

AMR UAMR

ARD UARD

NST

NST2

AST

ASTH

NLPD

NLCD

NLCS

ASL NRP