MAR 2022

Dear Valued Partners

New-Era Co., Ltd.
Sales Department, Pneumatic Group

Announcement of Model Code / Specification Change due to Shock Absorber Alternation

We sincerely appreciate for your continued co-operation. This is to announce to all our customers. We will change the model code and specification for our shock absorber. Then, product model code which is using shock absorber will be changed as well. Your co-operation is highly appreciated.

1. **Target Series** (Refer attached document #1)
   - ・PPT Series
   - ・PPU Series
   - ・PRM2 Series
   - ・PRD Series (without φ32)
   - ・PRZ Series
   - ・PSL Series
   - ・PSU Series
   - ・ABK Series

   ※No change for product specification (except for ABK itself)

2. **Altering Details**
   - ・Model Code Change, Lock Nut Change (Refer attached document #1)
   - ・Shock Absorber Change (Refer attached document #2)

3. **Altering Period**
   - ・As soon as selling out remaining stocks

4. **Caution**
   - ・For only PRDΦ25-QD type or ABK14
     Screw pitch of shock absorber will be changed. (Refer attached document #3)
     No change of screw pitch for other size

■Changing point of model code due to S/A alternation

Series	Current	After	備考
PPT	Both S/A	Both S/A	
	QM	QA	
	Single S/A	Single S/A	
	QK	QB	
PPU	Both S/A	Both S/A	(QL,QB with only current components stock)
	QM	QA	
	Single S/A	Single S/A	
	QL	QB	
PRM2	Both S/A	Both S/A	Lock Nut will be changed for Rubber stopper type.(Refer below)
	QZ	QA	
	Both R Stopper	Both R Stopper	
	QT	QG	
PRD	End Plete	End Plete	
	QD	QA	
	Mid Stopper	Mid Stopper	
	QW	QF	
PRZ	Both S/A	Both S/A	(with only current components stock)
	QZ	QA	
	Both R Stopper	Both R Stopper	
	QT	QG	
PSL	Both S/A	Both S/A	(with only current components stock)
	QD	QA	
PSU	End Plete	End Plete	(with only current components stock)
	QD	QA	
	Mid Stopper	Mid Stopper	
	QW	QF	
Adjustment Bolt	Bolt	Bolt	Lock Nut will be changed
	AG	AGJ	
Lock Nut	Nut	Nut	Refer below
	NTS	NTJ	
Absorber	Shock Absober	Shock Absober	
	ABK	ABJ	

(Model Code Example)

PPTS-SD10-10-TPQM ⇒ PPTS-SD10-10-TPQA
PRDS-SD25-200-QW ⇒ PRDS-SD25-200-QF
ABK12 ⇒ ABJ12

■Each S/A size

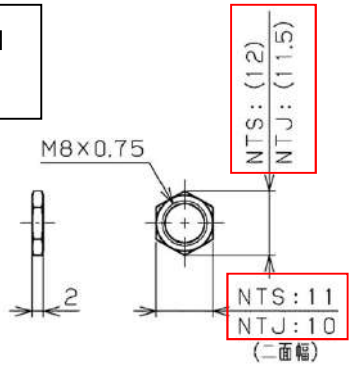
Series	Size	S/A
PPT	φ8	ABK8
	φ10	
	φ12	
	φ16	ABK10
PPU	φ10	ABK8
	φ12	
PRM2	φ8	ABK8
	φ12	ABK10
PRZ	φ12	ABK10
	φ16	

Series	Size	S/A
PRD	φ16-QW	ABK10
	φ16-QD	ABK12
	φ25-QW	
	φ25-QD	ABK14
PSL	φ8	ABK8
	φ12	ABK10
PSU	φ16-QW	ABK10
	φ16-QD	ABK12
	φ25-QW	
	φ25-QD	ABK14

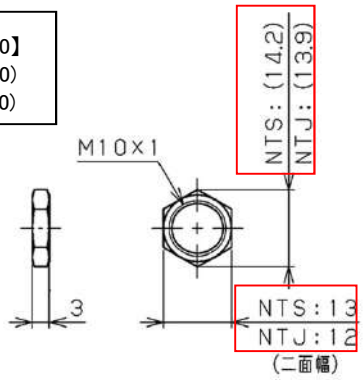
■NTS(Lock Nut) Changing Points

※Same dimension if there is no dimension

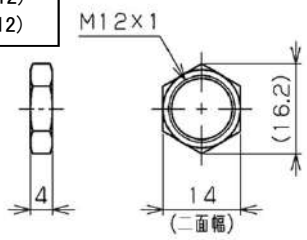
【ABK(J)8】
NTS(M8)
NTJ(M8)



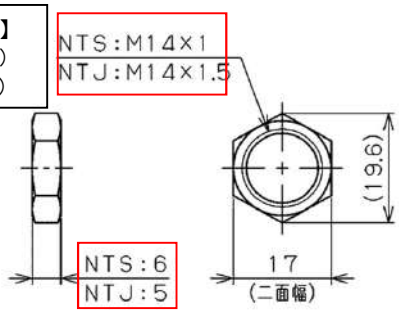
【ABK(J)10】
NTS(M10)
NTJ(M10)



【ABK(J)12】
NTS(M12)
NTJ(M12)



【ABK(J)14】
NTS(M14)
NTJ(M14)



※NTS(M12) and NTJ(M12) are same dimension

Specification of Shock Absorber

Model Code	ABK8	ABJ8
Max Absorbing Energy	0.68J	
Stroke	5mm	
Absorbing Energy per Min	22.8J/min	
Max Crashing Speed	1m/s	
Max Operating Cycle	Less than 60c.p.m	
Operating Temperature	-5～70℃	0～60℃
Piston Rod Returning Force	4.9N	6N

Model Code	ABK10	ABJ10
Max Absorbing Energy	3J	
Stroke	10mm	
Absorbing Energy per Min	60.8J/min	
Max Crashing Speed	1m/s	
Max Operating Cycle	Less than 60c.p.m	
Operating Temperature	-5～70℃	0～60℃
Piston Rod Returning Force	4.9N	8N

Model Code	ABK12	ABJ12
Max Absorbing Energy	6.86J	
Stroke	10mm	
Absorbing Energy per Min	98J/min	
Max Crashing Speed	1m/s	
Max Operating Cycle	Less than 60c.p.m	
Operating Temperature	-5～70℃	0～60℃
Piston Rod Returning Force	9.8N	

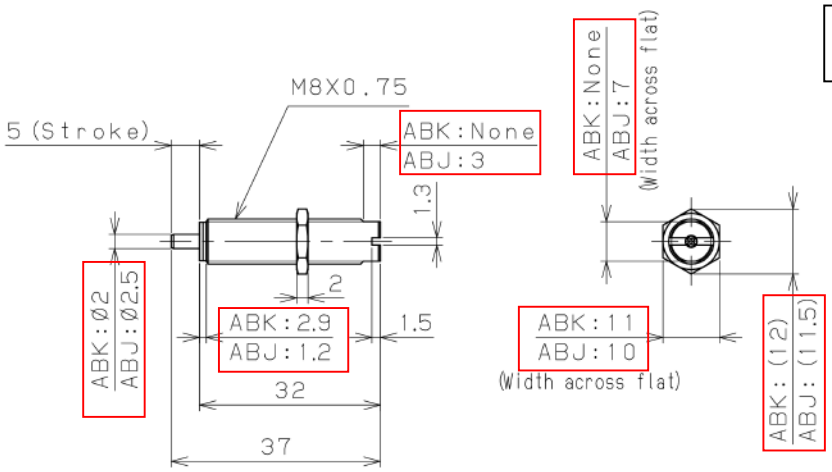
Model Code	ABK14	ABJ14
Max Absorbing Energy	9.8J	
Stroke	12mm	
Absorbing Energy per Min	176J/min	
Max Crashing Speed	1m/s	
Max Operating Cycle	Less than 60c.p.m	
Operating Temperature	-5～70℃	0～60℃
Piston Rod Returning Force	8.9N	9.2N

Tightening Torque of Lock Nut

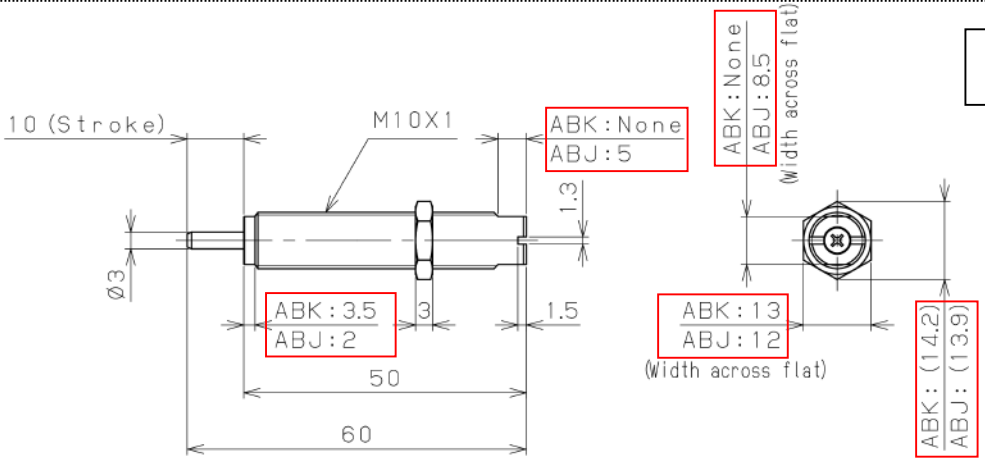
Lock Nut	Tightening Torque	
	ABK	ABJ
M8×0.75	3.9N･m	2.5N･m
M10×1.0	7.8N･m	6.5N･m
M12×1.0	7.8N･m	
M14×1.0 / M14×1.5	9.8N･m	

Each Absorber Appearance Dimension

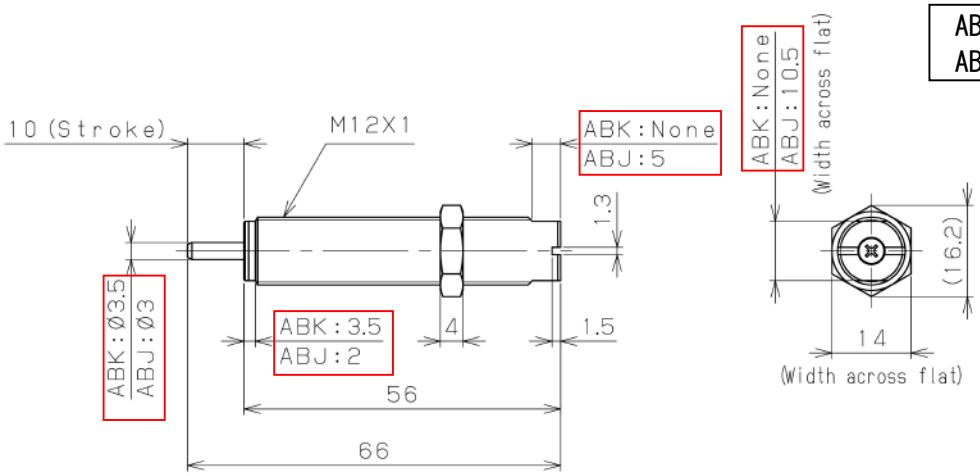
ABK8
ABJ8



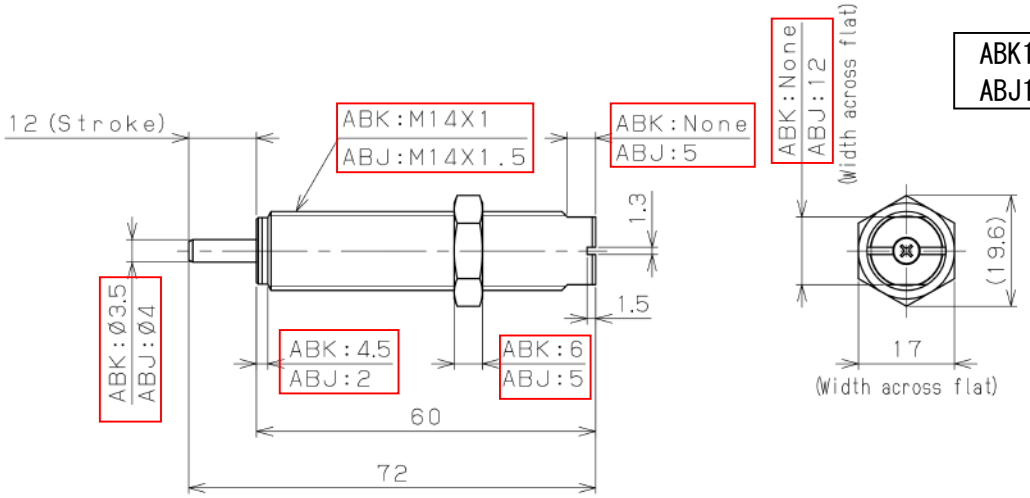
ABK10
ABJ10



ABK12
ABJ12

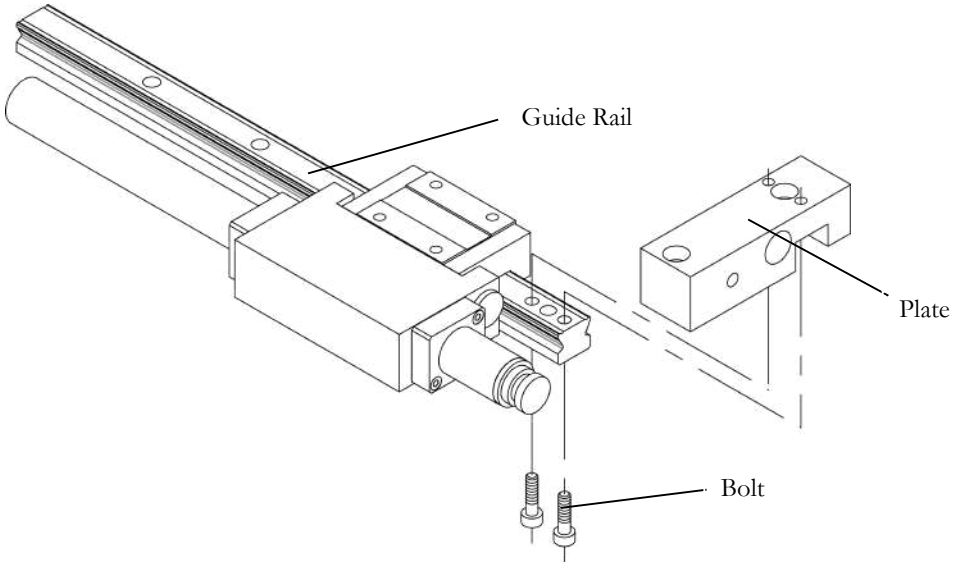


ABK14
ABJ14



Caution ※For the user who is using PRD φ25-QD type, or ABK14

Screw pitch of shock absorber is different due to changing ABK14→ABJ14.
In case of mounting ABJ14 to Conventional PRD-SD25-QD type, please purchase end plate unit and change the plate. This is how to change the end plate.



【Manual】
① Remove the plate by loosing the bolt which is connecting plate and guide rail.
② Fix the newly purchased plate to guide rail, and put anaerobic adhesive on the bolt, then fix.
(Tightening Torque 9.0N・m)

【Model code】
End Plate Unit

QA S (PRD25) - L
↓ ↓

●Guide Type
S:Single / Series Double
D:Parallel double, 3, 4pcs

●Part
L:Left
R:Right
D:Double