

Series **CRQ2** (Size: 10, 15, 20, 30, 40)

Simple Specials:

-XA31 to -XA59: Shaft Pattern Sequencing II

Shaft pattern sequencing is dealt with a simple made-to-order system. (Refer to front matter 33.)
Please contact SMC for a specification sheet when placing an order.

Shaft Pattern Sequencing II

Applicable shaft type: X, Y, Z, T, J and K

How to Order

C **D** **RQ2B** **T** **P** **20** **90** **C** **-M9BW** **-X** **A34** **A37** **C30** **-X6**

Built-in magnet

Nil	None
D	Built-in magnet

Shaft type

X	Single shaft with four chamfers
Y	Double shaft key
Z	Double shaft with four chamfers
T	Single round shaft
J	Double shaft
K	Double round shaft

* Refer to pages 254 and 255 for the shaft type variations.

Size

10
15
20
30
40

Auto switch

Refer to page 246 for "How to Order" products with auto switches.

Air cushion

Size	Air cushion	
	None	Attached
10, 15	Nil	—
20, 30, 40		C

Rotating angle

90	80° to 100°
180	170° to 190°
360	350° to 370°

Pattern

How to order model with auto switches

Refer to page 246 for "How to Order" products with auto switches.

Thread type

Size	Port type	
10, 15	Nil	M5
	Nil	Rc 1/8
20, 30, 40	TF	G 1/8
	TN	NPT 1/8
	TT	NPTF 1/8

Symbol for simple specials, made to order products

- When number of combinations is 1 or 2, refer to chart 3 and 4.
- Combination of XA is possible for up to 2 types.
- Combination of -X6 (shaft, parallel key stainless spec) is available for all the types.

Combination 3 Types

A33	A34	C30
A34	A37	-X6
A35	C30	C12
A40	C8	-X6

Combination of Applicable Chart

Chart 3, 4
Chart 3
Chart 4, 5
Chart 4, 5

Combination is available only when all the conditions are fulfilled among the nation chart above.

Combination 4 Types

A33	A34	C30	C12
A34	A37	C12	-X6
A43	C12	C30	-X6

Combination of Applicable Chart

Chart 3, 4, 5
Chart 3, 4
Chart 4, 5

Combination is available only when all the conditions are fulfilled among the nation chart above.

* Combination of simple specials and made-to-order, it is possible for up to 4 types.

-XA31 to XA59

Combination Chart of Simple Specials for Tip End Shape

Chart 3. Combination between -XA□ and -XA□ (X, Y, Z, T, J, K shafts)

Symbol	Description	Top port		Shaft type						Applicable size	Combination													
		Upper	Lower	J	K	T	X	Y	Z															
XA31	Female thread at the end	●	—	—	—	—	—	●	—	20, 30, 40	XA31	* Corresponding shafts type available for combination												
XA32	Female thread at the end	—	●	—	—	—	—	●	—		Y *													
XA33	Female thread at the end	●	—	●	●	●	—	—	—	10, 15, 20, 30, 40	—	—	XA33											
XA34	Female thread at the end	—	●	—	●	●	●	—	—		—	—	K, T *											XA34
XA35	Female thread at the end	●	—	—	—	—	—	●	—	20, 30, 40	—	—	—	—	XA35									
XA36	Female thread at the end	—	●	●	—	—	—	—	●		—	—	J *	—	X, Z *									XA36
XA37	Stepped round shaft	●	—	●	●	●	—	—	—	10, 15, 20, 30, 40	—	—	—	KT *	—	J *	XA37							
XA38	Stepped round shaft	—	●	—	●	—	—	—	—		—	—	K *	—	—	—	K *							
XA39	Shaft through hole	●	●	—	—	—	—	●	—	20, 30, 40	—	—	—	—	—	—	—							
XA40	Shaft through hole	●	●	—	●	●	—	—	—		10, 15,	—	—	—	—	—	—						—	
XA41	Shaft through hole	●	●	●	—	—	—	●	—	20, 30, 40	—	—	—	—	—	—	—							
XA42	Shaft through hole and female thread	●	●	—	—	—	—	●	—		20, 30, 40	—	—	—	—	—	—						—	
XA43	Shaft through hole and female thread	●	●	—	●	●	—	—	—	10, 15,	—	—	—	—	—	—	—							
XA44	Shaft through hole and female thread	●	●	●	—	—	—	●	—		●													
XA45	Middle-cut chamfer	●	—	●	●	●	—	—	—	20, 30, 40	—	—	—	K *	—	J *	—	K *	XA39	XA40	XA41	XA45		
XA46	Middle-cut chamfer	—	●	—	●	—	—	—	—		—	—	—	K *	—	—	K *	—	—	—	K *	XA46		
XA48	Change of long shaft length	●	—	—	—	—	—	●	—	20, 30, 40	—	Y *	Y *	—	—	—	—	—	Y *	—	—	—		
XA49	Change of short shaft length	—	●	—	—	—	—	●	—		Y *	—	—	—	—	—	—	—	—	Y *	—	—	—	
XA50	Change of double shaft length	●	●	—	—	—	—	●	—	10, 15, 20, 30, 40	—	—	—	—	—	—	—	—	Y *	—	—	—		
XA51	Change of long shaft length	●	—	●	●	●	—	—	—		—	—	—	K, T *	—	J *	—	K *	—	K, T *	—	—	K *	
XA52	Change of short shaft length	—	●	—	●	—	—	—	—	20, 30, 40	—	—	K *	—	—	—	K *	—	—	K *	—	K, T *	—	
XA53	Change of double shaft length	●	●	—	●	—	—	—	—		—	—	—	—	—	—	—	—	—	K *	—	—	—	
XA54	Change of long shaft length	●	—	—	—	—	—	●	—	20, 30, 40	—	—	—	X *	—	Z *	—	—	—	—	X, Z *	—	—	
XA55	Change of short shaft length	—	●	●	—	—	—	—	●		—	—	—	J *	—	Z *	—	J *	—	—	—	J, Z *	—	J *
XA56	Change of double shaft length	●	●	—	—	—	—	—	●	10, 15, 20, 30, 40	—	—	—	—	—	—	—	—	—	—	J *	—	—	
XA57	Change of double shaft length	●	●	●	—	—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	J *	—	—
XA58	Reversed shaft, Change of double shaft length	●	●	●	—	●	—	—	—	20, 30, 40	—	—	—	—	—	—	—	—	—	T *	J *	—	—	
XA59	Reversed shaft, Change of double shaft length	●	●	—	—	—	—	●	—		—	—	—	—	—	—	—	—	—	—	—	X *	—	—

Combination Chart of Made to Order

Chart 4. Combination between -XA□ and -XC□ (Made to Order/Details of -XC□, refer to page 266.)

Symbol	Description	Applicable size	Combination	
			XA31 to XA59	
XC 7	Reversed shaft	10, 15, 20, 30, 40	—	
XC 8	Change of rotating range		●	
XC 9			●	
XC10			●	
XC11			●	
XC12			●	
XC13	Change in angle adjustable range 0° to 100°		●	
XC14			●	
XC15			●	
XC16	Change in angle adjustable range 90° to 190°		●	
XC17			●	
XC18	Change of rotating range	20, 30, 40	●	
XC19			●	
XC20			Change in angle adjustable range 90° to 190°	●
XC21				●
XC22	Without inner rubber bumper	10, 15	●	
XC30	Fluorine grease	10, 15, 20, 30, 40	●	
XC69	Fluororubber seal	10, 15, 20, 30, 40	●	

* Chart 5. Refer to page 266 for combination available between -XC□ and -XC□.

CRB2

CRBU2

CRB1

MSU

CRJ

CRA1

CRQ2

MSQ

MSZ

CRQ2X
MSQX

MRQ

D-□