



Date: June 1st, 2015

Dear NBK valuable customers

Subject : Announcement of torque transmission change on stainless coupling, "XBWS"・"XBSS"

We would like to announce that torque transmission on stainless coupling, "XBWS"・ "XBSS" will be changed. NBK employs high strength stainless bolt "YUS-550" for assembling.

However, this bolt will be no longer in production. Hence, we are afraid but we have no choice to switch assembly bolt from "YUS-550" to "SUS-XM7". As a result, it will cause to change tensile strength rank and coupling transmission torque. Moreover, Part No. Will be amended due to the change of coupling mechanical property.

【New Part No.】

Current Part No.: (Example) XBWS-19C2-6-8

New Part No.: (Example) XBWS-19C2A-6-8

※"A" will be added after C2(or C3)



【Transmission Torque】

【NOW】

Part No.	Rated Torque (N・m)*	Max. Torque (N・m)*
XBWS-15C2	0.5	1
XBWS-19C2	1	2
XBWS-25C2	1.2	2.4
XBWS-27C2	1.5	3
XBWS-34C3	3.5	7
XBWS-39C2	5	10
XBWS-44C2	7	14
XBWS-56C3	15	30

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【NEW】

Part No.	Rated Torque (N・m)*	Max. Torque (N・m)*	Changed rate [New]/[Now]
XBWS-15C2A	0.42	0.84	84%
XBWS-19C2A	0.6	1.2	60%
XBWS-25C2A	1.1	2.2	92%
XBWS-27C2A	1.3	2.6	87%
XBWS-34C3A	2.5	5	71%
XBWS-39C2A	4.8	9.6	96%
XBWS-44C2A	5.6	11.2	80%
XBWS-56C3A	14	28	93%

※Transmission torque of "XBSS" is as same as "XBWS".

※With stainless steel screws service on "XBW"・ "XBS" , transmission torque will be the same above.

※Only transmission torque will be changed. Coupling specification and hub material will not be changed.

【Targeted items & Schedule】

Targeted item: All "XBWS"・ "XBSS" series and the stainless steel screw service on "XBW"・ "XBS"・ "XHW"・ "XHW-L"・ "XHS"



Schedule: This change will be applied to your order from 2015/12/1

※We will accept your order for the current part No. until 2015/11/30

※We will discontinue current Part No. After 2015/12/1 and change to new Part No.

【Reference】

For those employ servomotor 100W, there will be possibility of coupling size change.

① Selection based on the rated output of the servomotor (300%)

【Now】

Rated output (W)	Servo motor specification *			Selection size	
	Diameter of motor shaft (mm)	Rated torque (N·m)	Max.Torque (N·m)	XBWS-C	Rated Torque
				All stainless type	(N·m)
10	5~6	0.032	0.096	XBWS-15C2	0.5
20	5~6	0.064	0.19	XBWS-15C2	0.5
30	5~7	0.096	0.29	XBWS-19C2	1.0
50	6~8	0.16	0.48	XBWS-19C2	1.0
100	8	0.32	0.95	XBWS-19C2	1.0
200	9~14	0.64	1.9	XBWS-34C3	3.5
400	14	1.3	3.8	XBWS-39C2	5.0
750	16~19	2.4	7.2	XBWS-56C3	15.0

No change

No change

No change

No change

⇒

No change

No change

No change

【New】

Selection size	
XBWS-C	Rated Torque
All stainless type	(N·m)
XBWS-15C2A	0.42
XBWS-15C2A	0.42
XBWS-19C2A	0.42
XBWS-19C2A	0.6
XBWS-25C2A	1.1
XBWS-34C3A	2.5
XBWS-39C2A	4.8
XBWS-56C3A	14.0

※Max. Torque was calculated :Rated torque ×3.0 (300%)

② Selection based on the rated output of the servomotor (350%)

【Now】

Rated output (W)	Servo motor specification *			Selection size	
	Diameter of motor shaft (mm)	Rated torque (N·m)	Max.Torque (N·m)	XBWS-C	Rated Torque
				All stainless type	(N·m)
50	6~8	0.16	0.56	XBWS-19C2	1.0
100	8	0.32	1.12	XBWS-25C2	1.2
200	9~14	0.64	2.24	XBWS-34C3	3.5
400	14	1.3	4.55	XBWS-39C2	5.0
750	16~19	2.4	8.4	XBWS-56C3	15.0

No change

⇒

No change

No change

No change

【New】

Selection size	
XBWS-C	Rated Torque
All stainless type	(N·m)
XBWS-19C2A	0.6
XBWS-27C2A	1.3
XBWS-34C3A	2.5
XBWS-39C2A	4.8
XBWS-56C3A	14.0

※Max. Torque was calculated :Rated torque ×3.5 (350%)

As mentioned above, some customers are having possibilities to change coupling size.

We are sorry for any inconvenience this may cause you and appreciate your cooperation and understanding.

Best regards,



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