

# Biffi Morin Options Code

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**Table 1. Approvals**

Description	Code
ATEX/PED Approved Actuators	AX
EAC certified Actuators (Legacy GOST)	GOST

**Table 2. Bushing (output and piston rod) modifications**

Description	Code
Teflon Bushings (for "B" series O.P.S. and Piston Rod)	TB
U.H.M.W. P.E. Bushings	U
Bronze bushings (For "S" series O.P.S. and Piston Rod)	BB

**Table 3. Cylinder port modifications**

Description	Code
Oversized ports	OP
Oversized ports - located 90° clockwise from standard port	OP1
Oversized ports - located 180° clockwise from nameplate	OP2

**Table 4. Dampers**

Description	Code
Hydraulic damper - end of stroke	HD
HD Hydraulic damper - full stroke	HDF

**Table 5. Drain ports for HP**

Description	Code
Drain ports to be located 90° from port	DP1
Drain ports to be located 180° from port	DP2
Drain ports (2), 1 drain port down and 1 drain port up in relation to standard port (drain ports to be located 90° and 270° from port)	DP3

**Table 6. Fire proofing**

Description	Code
K-MASS Coating	K

**Table 7. Full stroke adjusters**

Description	Code
Full stroke adjustment - both sides	FSA
Full stroke adjustment - left side of actuator nameplate	FSL
Full stroke adjustment - right side of actuator nameplate	FSR
Full stroke adjustment retained - both sides	FSAR
Full stroke adjustment retained - left side of actuator nameplate	FSLR
Full stroke adjustment retained - right side of actuator nameplate	FSRR

**Table 8. Hydraulic override**

Description	Code
Hydraulic override	MHP
Hydraulic override with lockout	MHPL

**Table 9. Lockout / Tag Out**

Description	Code
Lockout - open direction	L1
Lockout - closed direction	L2
Lockout - both directions	L3

**Table 10. Lubricants**

Description	Code
Grease - 3/4 fill for housings and M10 and 15 yoke / output shaft ream set with solid SS Yoke Pin (roll pin)	G
Food Grade Grease - 3/4 fill for housing	FGG

**Table 11. Mechanical override**

Description	Code
Jackscrew Override	JSO
Jackscrew Override with lockout	JSOL
Jackscrew Override with stainless steel hand wheel and rod cover (if applicable)	JSOSHR

**Table 12. Paint**

Description	Code
Standard Paint for B and C series (Default color: RAL 5001)	-
Epoxy Paint (Default color: RAL 7001)	EX
Epoxy Paint (Amercoat 68)	EX1
Epoxy Paint ESSO: Intergard 251 - red color (primer), Interseal 670HS - buff color (first coat), Interfine 629HS / AS2700-N35 - light gray color (top coat)	EX2
Epoxy Paint color requested by customer - specifics must be in description	EXX
Customer requested paint color - specifics must be in description	COL

**Table 13. Partial Stroke Testing Device 'PSTD' (Integral)**

Description	Code
PSTD (Fully Open / Partially Closed)	PS1
PSTD (Fully Closed / Partially Open)	PS2
PSTD - 5/8" with Magnetic activator (Fully Open / Partially Closed)	PS1M
PSTD - 5/8" with Magnetic activator (Fully Closed / Partially Open)	PS2M

**Table 14. Proximity switch preparation  
(integral in the housing - does not include switch)**

Description	Code
Proximity Prep - 5/8 with Ferrous Activator (for GO)	P1
Proximity Prep - 18 mm with Ferrous Activator (for P and F)	P2
Proximity Prep - 12 mm with Ferrous Activator (for P and F, Turck)	P3

**Table 15. Seals - low / high temperature**

Description	Code
EPDM Seals	EP
High Temp Seals (FKM)	V
Low Temp Seals (Parker No. N103-70)	LT

**Table 16. Water service actuators**

Description	Code
Water Hydraulic Service (S-series actuators recommended)	WH

**Table 17. Other Options**

Description	Code
Stainless Steel Breathers	SB
Stainless Steel Springs	SSP
Stainless Wetted Parts	SW

**NOTE:**

These codes are used when needed on actuator nameplates, sales documents, and all other documents or correspondence describing Biffi Morin actuators.

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