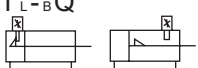
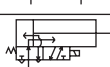


Series variation

Guided cylinder STS/STL Series

LCM
LCR
LCG
LCW
LCX
STM
STG
STS/STL
STR2
UCA2
ULK*
JSK/M2
JSG
JSC3/JSC4
USSD
UFCD
USC
UB
JSB3
LMB
LML
HCM
HCA
LBC
CAC4
UCAC2
CAC-N
UCAC-N
RCS2
RCC2
PCC
SHC
MCP
GLC
MFC
BBS
RRC
GRC
RV3*
NHS
HRL
LN
Hand
Chuk
MecHnd/Chuk
ShkAbs
FJ
FK
SpdContr
Ending

Variation	Model No. JIS No.	Bore size (mm)	Standard stroke (mm)													
			STS													
			10	20	25	30	40	50	75	100	50	75	100			
Double acting/ single rod	ST ^S _{L-B} 	ø8/ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/stroke adjustable (push)	ST ^S _{L-B} P 	ø8/ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/heat resistance Note: For ø20/ø25, ball bearing B is not available	ST ^S _{L-B} T 	ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/packing material fluoro rubber	ST ^S _{L-B} T2 	ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/ rubber-air cushioned	ST ^S _{L-B} *C 	ø32/ø40/ø50				●		●			●	●	●			
		ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
Double acting/air cushioned	ST ^S _{L-B} C 	ø25/ø32/ø40/ø50/ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
		ø120				●		●	●	●		●	●			
Double acting/ position locking	ST ^S _{L-B} Q 	ø20/ø25/ø32				●		●			●	●	●			
		ø40/ø50/ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
Double acting/ fine speed	ST ^S _{L-B} F 	ø8/ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/ low speed	ST ^S _{L-B} O 	ø8/ø12/ø16	●	●		●	●	●			●	●	●			
		ø20/ø25/ø32/ø40/ø50/ø63			●			●			●	●	●			
		ø80			●			●	●	●		●	●			
		ø100			●			●	●	●		●	●			
Double acting/rubber scraper coil scraper	ST ^S _{L-B} MG  ST ^S _{L-B} G1	ø20/ø25/ø32/ø40/ø50/ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
		ø120				●		●	●	●		●	●			
Double acting/ coolant proof	ST ^S _{L-B} MG2  ST ^S _{L-B} G3	ø20/ø25/ø32/ø40/ø50/ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
		ø120				●		●	●	●		●	●			
Double acting/anti-spatter adherence	ST ^S _{L-B} MG4 	ø40/ø50/ø63				●		●	●	●		●	●	●		
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
		ø120				●		●	●	●		●	●			
Double acting/ valve equipped	ST ^S _{L-B} V 	ø20/ø25/ø32/ø40/ø50/ø63				●		●			●	●	●			
		ø80				●		●	●	●		●	●			
		ø100				●		●	●	●		●	●			
		ø120				●		●	●	●		●	●			

●: Standard, ◎: Option, ○: Made to order, ■: Not available

Stroke (mm)													Min. stroke (mm)	Custom stroke (per mm)	Max. stroke (mm)	Bearing		Option			Switch	Page			
STL																Metal bush bearing	Ball bearing	End plate material	Steel	Corrosion proof end plate material			Aluminum	Corrosion proof end plate material	SUS
	125	150	175	200	225	250	275	300	325	350	375	400													
	●	●	●	●									5	5	200	●	●	◎	◎	◎	◎	448			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
	●	●	●	●									10	-	200	●	●	◎			◎	470			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎							
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎							
	●	●	●	●									5	5	200	●	●	◎	◎*1	◎*1	◎	476			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎*1	◎*1					
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎*1	◎*1					
	●	●	●	●									5	5	200	●	●	◎	◎	◎	◎	480			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●	5	5	400	●	●	◎	◎	◎	◎	486			
	●	●	●	●	●	●	●	●	●	●	●	●			10	5	400	●	●	◎			◎	◎	◎
	●	●	●	●	●	●	●	●	●	●	●	●			10		400	●	●	◎			◎	◎	◎
	●	●	●	●	●	●	●	●	●	●	●	●	15	-	400	●	●	◎	◎	◎	◎	492			
	●	●	●	●	●	●	●	●	●	●	●	●			*2	375	●	●	◎	◎			◎	◎	
	●	●	●	●	●	●	●	●	●	●	●	●	5	5	400	●	●	◎	◎	◎	◎	500			
	●	●	●	●	●	●	●	●	●	●	●	●			375	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●			350	●	●	◎	◎	◎			◎		
	●	●	●	●									5	5	200	●	●	◎	◎	◎	◎	512			
	●	●	●	●											200	●	●	◎	◎	◎			◎		
	●	●	●	●											200	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●					5	5	150	●	●	◎	◎	◎	◎	514			
	●	●	●	●	●	●	●	●							300	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●							300	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●	5	5	400	●	●	◎	◎	◎	◎	518			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●	5	5	400	●	●			◎	◎	526			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●			◎			◎		
	●	●	●	●	●	●	●	●	●	●	●	●	5	5	400	●	●	◎	◎	◎	◎	536			
	●	●	●	●	●	●	●	●	●	●	●	●			400	●	●	◎	◎	◎			◎		
													5	5	100	●	●	◎			◎	544			

*1: Ball bearing (B) only.

*2: For min. stroke and below, select the basic since there is no cushion effect.

LCM
LCR
LCG
LCW
LCX
STM
STG
STS/STL
STR2
UCA2
ULK*
JSK/M2
JSG
JSC3/JSC4
USSD
UFCD
USC
UB
JSB3
LMB
LML
HCM
HCA
LBC
CAC4
UCAC2
CAC-N
UCAC-N
RCS2
RCC2
PCC
SHC
MCP
GLC
MFC
BBS
RRC
GRC
RV3*
NHS
HRL
LN
Hand
Chuk
MechHnd/Chuk
ShkAbs
FJ
FK
SpdContr
Ending

STS/STL-M (metal bush bearing) Series

Variation and option selection table (metal bush bearing)

LCM
LCR
LCG
LCW
LCX
STM
STG
STS/STL
STR2
UCA2
ULK*
JSK/M2
JSG
JSC3/JSC4
USSD
UFCD
USC
UB
JSB3
LMB
LML
HCM
HCA
LBC
CAC4
UCAC2
CAC-N
UCAC-N
RCS2
RCC2
PCC
SHC
MCP
GLC
MFC
BBS
RRC
GRC
RV3*
NHS
HRL
LN
Hand
Chuk
MecHnd/Chuk
ShkAbs
FJ
FK
SpdContr
Ending

- : Standard
- ◎ : Option
- : Available (made-to-order product)
- △ : Available depending on conditions (Contact CKD.)
- × : Not available

Category		Category	Variation																Port thread	Cushion	Option					
		Code	Double acting basic (metal bush)	Stroke adjustable (push)	Position locking	With solenoid valve	With air cushion	Heat resistance (120°C)	Packing material fluoro rubber	Low speed	Rubber scraper	Coil scraper	Coolant proof scraper (NBR)	Coolant proof scraper (FKM)	Anti-spatter adherence	Fine speed	Strong magnetic field proof/2-color LED switch	NPT ø32 or more	G ø32 or more	Rubber-air cushioned	Corrosion proof (aluminum end plate)	Corrosion proof (SUS end plate)	Steel plate specified	Copper and PTFE free	Clean-room specifications (exhaust port)	Clean-room specifications (vacuum treatment)
Variation	Double acting basic (metal bush)	M	●	●	●	●	●	●	●	●	●	●	●	●	●	◎	○	○	●	◎	◎	◎	◎	×	×	
	Stroke adjustable (push)	P		*2	○	○	×	○	○	*7	*7	×	×	*7	△	◎	○	○	○	△	△	◎	△	×	×	
	Position locking	Q			×	×	×	×	×	△	△	△	△	△	×	◎	○	○	×	○	○	◎	○	×	×	
	With solenoid valve	V				×	×	×	○	×	×	×	×	×	×	◎	○	○	○	△	△	◎	×	×	×	
	With air cushion	C					*1	*1	○	○	○	○	○	○	×	◎	○	○	×	○	○	◎	○	×	×	
	Heat resistance (120°)	T						×	×	×	○	×	×	×	×	×	○	○	×	×	×	◎	×	×	×	
	Packing material fluoro rubber	T2							×	×	○	×	*3	×	×	◎	○	○	×	○	○	◎	×	×	×	
	Low speed	O								×	×	×	×	×	×	◎	○	○	○	○	○	◎	×	×	×	
	Rubber scraper	G									×	×	×	×	×	◎	○	○	○	○	○	◎	○	×	×	
	Coil scraper	G1										×	×	*4	×	◎	○	○	○	○	○	◎	×	×	×	
	Coolant proof scraper (NBR)	G2											×	×	×	*6	○	○	○	*3	○	×	×	×	×	
	Coolant proof scraper (FKM)	G3												×	×	*6	○	○	×	*3	○	×	×	×	×	
	Anti-spatter adherence	G4													×	◎	○	○	○	○	○	◎	×	×	×	
	Fine speed	F														◎	○	○	○	○	○	◎	×	×	×	
	Strong magnetic field proof/2-color LED switch	L1															○	○	◎	◎	◎	◎	◎	×	×	
	Port thread	NPT ø32 or more	N															×	○	○	○	○	○	○	×	×
	G ø32 or more	G																						×	×	
	Cushion	Rubber-air cushioned	C																						×	×
Option	Corrosion proof (aluminum end plate)	M																			×	×	×	×	×	
	Corrosion proof (SUS end plate)	M1																				×	×	×	×	
	Steel plate specified	F																				◎	×	×		
	Copper and PTFE free	P6																					×	×		
	Clean-room specifications (exhaust port)	P72																						×		
	Clean-room specifications (vacuum treatment)	P73																							×	
Accy.	Cylinder switch	Separate list	◎	◎	◎	◎	◎	×	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	×	×	

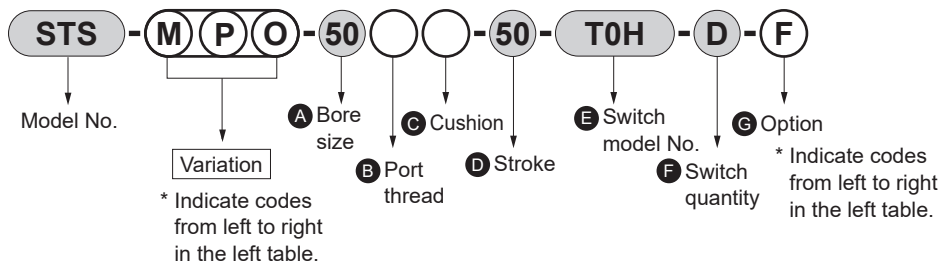
Caution

- *1: Available for ø50 to 100 only.
- *2: Available for the head side position locking only.
- *3: For the combination of G3 and T2, select G3 for fluoro rubber cylinder interior packing. (T2 code is not required.)
Similarly, G2 and G3 include the specifications of M (corrosion proof). (M code is not required.)
- *4: G4 includes metal scraper.
- *5: For P72 and P73 clean room specifications, refer to "Components for clean room specifications" (catalog No. CB-033SA).
- *6: L1 specifications. (L1 code is not required.)
- *7: Shock absorber is provided as standard. G* is not supported.

STS/STL-M (metal bush bearing) Series

Variation and option combination selection table

[Example of model No.]



Note: For strong magnetic field proof and 2-color LED switches for $\phi 40$ and over, insert "L1" with "-" between the variation model No. and bore size.
(Example) STS-MPO-L1-50-50-T2YH3-D-F

For $\phi 80$ and $\phi 100$, the 2-color LED and strong magnetic field proof switches cannot be retrofitted on a previously purchased standard product. In this case, order the model No. with "L1" inserted between A and B.
(Example) STS-B-L1-80-50-F

- Model No. : Guided cylinder, short stroke
- Variations : Metal bush bearing, stroke adjustable, low speed
 - A Bore size : $\phi 50$ mm
 - B Port thread : Rc thread
 - C Cushion : With rubber cushion
 - D Stroke : 50 mm
 - E Switch model No. : Reed T0H switch, lead wire 1 m
 - F Switch quantity : 2
 - G Option : End plate material: steel

LCM
LCR
LCG
LCW
LCX
STM
STG
STS/STL
STR2
UCA2
ULK*
JSK/M2
JSG
JSC3/JSC4
USSD
UFCD
USC
UB
JSB3
LMB
LML
HCM
HCA
LBC
CAC4
UCAC2
CAC-N
UCAC-N
RCS2
RCC2
PCC
SHC
MCP
GLC
MFC
BBS
RRC
GRC
RV3*
NHS
HRL
LN
Hand
Chuk
MechHnd/Chuk
ShkAbs
FJ
FK
SpdContr
Ending

STS/STL-B (ball bearing) Series

Variation and option combination selection table (ball bearing)

- : Standard
- ◎ : Option
- : Available (made-to-order product)
- △ : Available depending on conditions (Contact CKD.)
- × : Not available

Category		Category	Variation															Port thread	Cushion	Option						
				Double acting basic (bearing bush type)	Stroke adjustable (push)	Position locking	With solenoid valve	With air cushion	Heat resistance (120°C) *2	Packing material fluoro rubber	Low speed	Rubber scraper	Coil scraper	Coolant proof scraper (NBR)	Coolant proof scraper (FKM)	Anti-spatter adherence	Fine speed	Strong magnetic field proof/2-color LED switch	NPT ø32 or more	G ø32 or more	Rubber-air cushioned	Corrosion proof (aluminum end plate)	Corrosion proof (SUS end plate)	Steel plate specified	Copper and PTFE free	Clean-room specifications (exhaust port)
		Code	B	P	Q	V	C	T	T2	O	G	G1	G2	G3	G4	F	L1	N	G	C	M	M1	F	P6	P72	P73
Variation	Double acting basic (bearing bush type)	B	●	●	●	●	●	●	●	●	●	●	●	●	●	◎	○	○	○	●	◎	◎	◎	◎	◎	◎
	Stroke adjustable (push)	P			*3	○	○	×	○	○	*8	*8	×	×	*8	△	◎	○	○	○	△	△	◎	△	×	×
	With position locking	Q				×	×	×	×	×	△	△	△	△	△	×	◎	○	○	×	○	◎	○	△	△	
	With solenoid valve	V					×	×	×	○	×	×	×	×	×	×	◎	○	○	△	△	◎	×	×	×	
	With air cushion	C						*1	*1	○	○	○	○	○	×	◎	○	○	×	○	◎	○	×	×	×	
	Heat resistance (120°) *2	T							×	×	×	○	×	×	×	×	×	○	×	○	◎	×	×	×	×	
	Packing material fluoro rubber	T2								×	×	○	×	*4	×	×	◎	○	×	○	◎	×	○	○	○	
	Low speed	O									×	×	×	×	×	×	◎	○	○	○	◎	×	○	○	○	
	Rubber scraper	G										×	×	×	×	×	◎	○	○	○	◎	◎	×	×	×	
	Coil scraper	G1											×	×	*5	×	◎	○	○	○	◎	◎	×	×	×	
	Coolant proof scraper (NBR)	G2											×	×	×	*7	◎	○	○	*4	○	×	○	×	×	
	Coolant proof scraper (FKM)	G3												×	×	*7	◎	○	×	*4	○	×	○	×	×	
	Anti-spatter adherence	G4													×	◎	○	○	○	◎	◎	×	×	×	×	
	Fine speed	F														◎	○	○	○	◎	◎	◎	×	○	○	
	Strong magnetic field proof/2-color LED switch	L1															◎	○	◎	◎	◎	◎	◎	◎	◎	
Port thread	NPT ø32 or more	N															×	○	○	○	○	○	○	○	○	
G ø32 or more	G																	○	○	○	○	○	○	○	○	
Cushion	Rubber-air cushioned	C																								
Option	Corrosion proof (aluminum end plate)	M																			×	×	○	*4	*4	
	Corrosion proof (SUS end plate)	M1																				×	○	○	○	
	Steel plate specified	F																				◎	×	×	×	
	Copper and PTFE free	P6																					×	×	×	
	Clean-room specifications (exhaust port)	P72																							×	
	Clean-room specifications (vacuum treatment)	P73																								
Accy.	Cylinder switch	Separate list	◎	◎	◎	◎	◎	×	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	

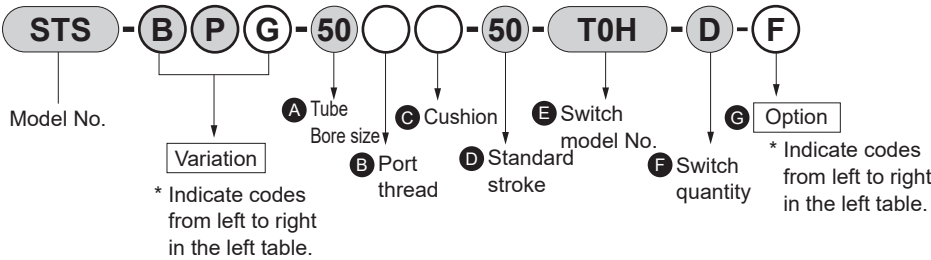
Caution

- *1: Available for ø50 to 100 only.
- *2: Available for the head side position locking only.
- *3: For the combination of G3 and T2, select G3 for fluoro rubber cylinder interior packing. (T2 code is not required.)
Similarly, P72, P73, G2 and G3 include the specifications of M (corrosion proof).
(M code is not required.)
- *4: G4 includes metal scraper.
- *5: For P72 and P73 clean room specifications, refer to "Components for clean room specifications" (catalog No. CB-033SA).
- *6: L1 specifications. (L1 code is not required.)
- *7: Shock absorber is provided as standard. G* is not supported.

STS/STL-B (ball bearing) Series

Variation and option combination selection table

[Example of model No.]



Note: For strong magnetic field proof and 2-color LED switches for $\phi 40$ and over, insert "L1" with "-" between the variation model No. and bore size.
(Example) STS-B-L1-63-50-T2YH3-D-F

For $\phi 80$ and $\phi 100$, the 2-color LED and strong magnetic field proof switches cannot be retrofitted on a previously purchased standard product.
In this case, order the model No. with "L1" inserted between **A** and **B**.
(Example) STS-B-L1-80-50-F

- Model No. : Guided cylinder/short stroke
- Variation : Ball bearing, stroke adjustable, rubber scraper
 - A** Bore size : $\phi 50$ mm
 - B** Port thread : Rc thread
 - C** Cushion : With rubber cushion
 - D** Stroke : 50 mm
 - E** Switch model No. : Reed T0H switch, lead wire 1 m
 - F** Switch quantity : 2
 - G** Option : End plate material: steel

LCM
LCR
LCG
LCW
LCX
STM
STG
STS/STL
STR2
UCA2
ULK*
JSK/M2
JSG
JSC3/JSC4
USSD
UFCD
USC
UB
JSB3
LMB
LML
HCM
HCA
LBC
CAC4
UCAC2
CAC-N
UCAC-N
RCS2
RCC2
PCC
SHC
MCP
GLC
MFC
BBS
RRC
GRC
RV3*
NHS
HRL
LN
Hand
Chuk
MechHnd/Chuk
ShkAbs
FJ
FK
SpdContr
Ending