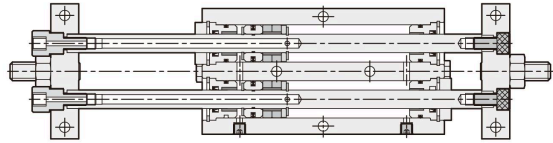
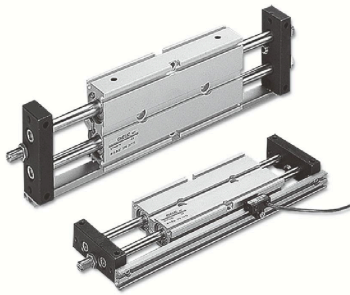


STM series - Dual rod cylinder

Operating specification and Ordering expression

CHELIC PNEUMATIC

Internal structure



TD
Dual Rod
Cylinder

TDX
Dual Rod
Cylinder

TDXU
Dual Rod
Cylinder

Theoretical force

Unit : kgf

Bore size mm	Piston rod dia mm	Piston area cm ²	Air pressure (kgf/cm ²)								
			1	2	3	4	5	6	7	8	9
Ø16	Ø8	3.02	(3.01)	6.03	9.04	12.06	15.07	18.09	21.11	24.12	27.14
Ø20	Ø10	4.71	4.7	9.4	14.1	18.8	23.6	28.3	33.0	37.7	42.4
Ø25	Ø12	7.55	7.5	16.1	22.6	30.2	37.7	45.3	52.8	60.4	68.0
Ø32	Ø16	12.06	12.1	24.1	36.2	48.2	60.3	72.4	84.4	96.5	108.5

Note : Above are theoretical data : please take into consideration the frictional resistance and the mechanical efficiency of value should be added calculation before using. (About 70%~80%)

STU
Dual Rod
Cylinder

STM
Dual Rod
Cylinder

STX
Dual Rod
Cylinder

Specification

Unit : mm

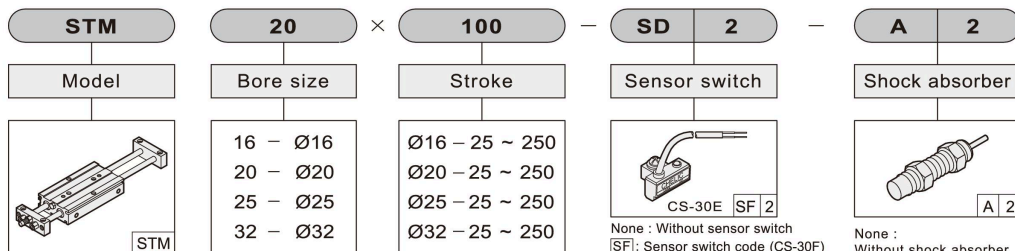
Item	Bore size	Ø16				Ø20				Ø25				Ø32			
		Double acting															
Operation		Air															
Pressure range	kgf/cm ² (kpa)	1.5 ~ 9(150 ~ 900)															
Max. service pressure	kgf/cm ² (kpa)	9.5 (950)															
Operating ambient temperature range	°C	0 ~ 60															
Range of service speed	mm/sec	50 ~ 700															
Lubrication		Free															
Stroke adjusting range		-5 ~ 0															
Port size		M5×0.8								Rc 1/8"							
Sensor device		With magnet															

Standard stroke

Unit : mm

Bore size	Stroke
Ø16	25、50、75、100、125、150、175、200、250
Ø20	25、50、75、100、125、150、175、200、250
Ø25	25、50、75、100、125、150、175、200、250
Ø32	25、50、75、100、125、150、175、200、250

How to order

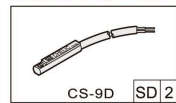


STM : Body is moving

Shock absorber list

Bore size	Model	Max. absorber
Ø 16	SAC-0806	2 N·m
Ø 20	SAC-0806	2 N·m
Ø 25	SAC-1008	4 N·m
Ø 32	SAC-1008	4 N·m

None : Without sensor switch
 [SF] : Sensor switch code (CS-30F)
 [2] : Number of sensor switch
 ※ Use for STUØ16~Ø32



[SD] : Sensor switch code (CS-9D)
 [SB] : Sensor switch code (CS-9B)
 [2] : Number of sensor switch
 1 = 1 PCS
 2 = 2 PCS (Option)
 ※ Use for STUØ10~Ø32

None : Without shock absorber

[A] : Shock absorber
 1 = 1 set
 2 = 2 sets (Option)