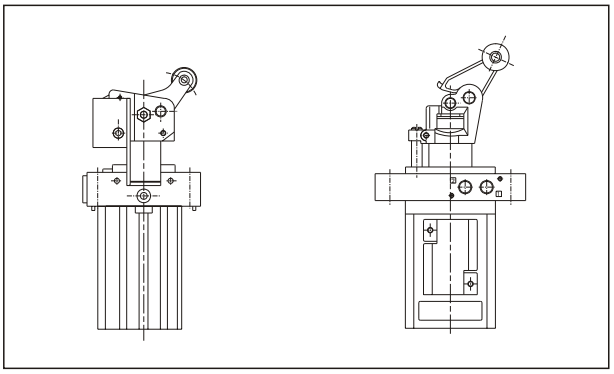
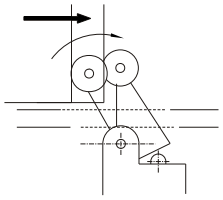
Pallet Control Cylinder

STOPPER CYLINDER

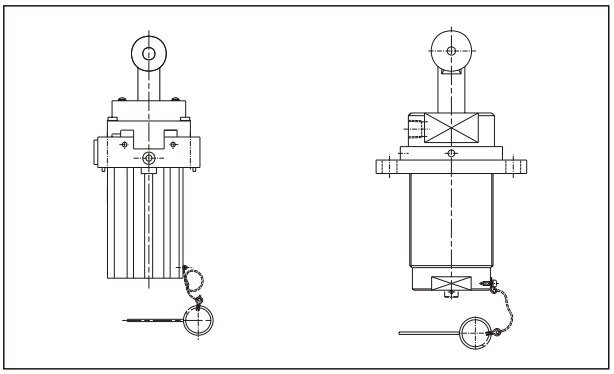
Shockless stopper cylinder



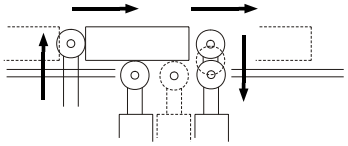
The built-in shock absorber softly catches and stops the work carrier.The strength of absorber can be easily adjusted, which makes the cylinder work in the best condition, conforming to the speed of the conveyor line and the weight of the work carrier.



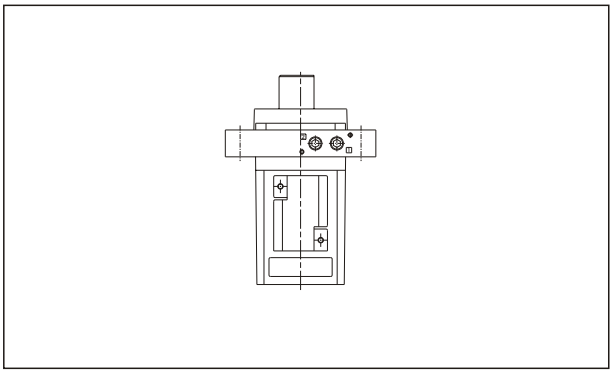
Stopper cylinder with roller



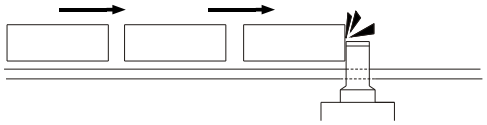
The top rollers with the built-in spring return in touch with the bottom of the work carrier. Automatically returns up to the original position as the work carrier pass by, and immediately works as a stopper for the next work carrier. Therefore the timing carriers does not need to be taken.



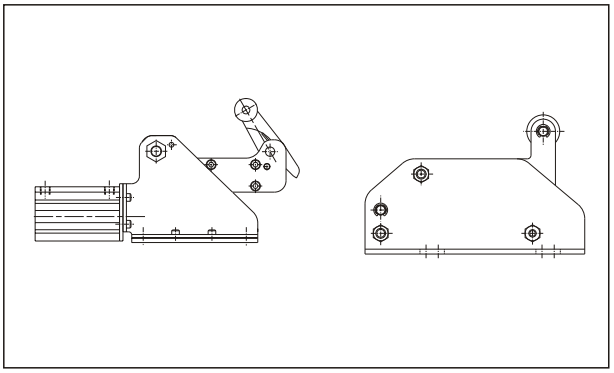
Direct stopper cylinder



Rod and cylinder are designed for toughness against the large side load. Also suitable for the relatively slow-moving conveyor line with the heavy work carriers.



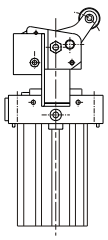
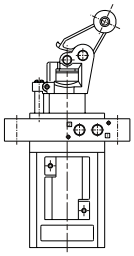
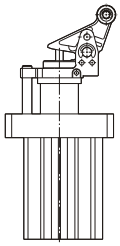
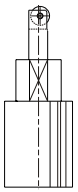
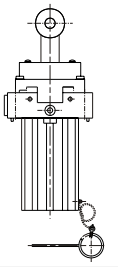
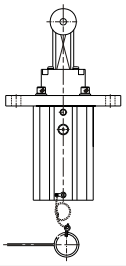
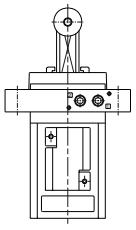
Horizontal stopper cylinder

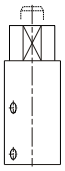
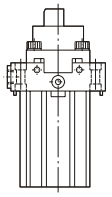
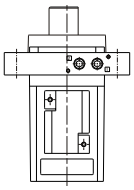
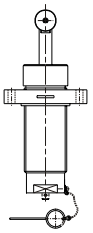
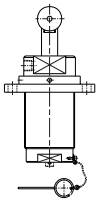
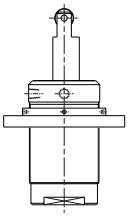


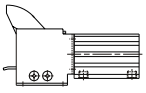
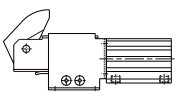
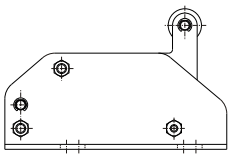
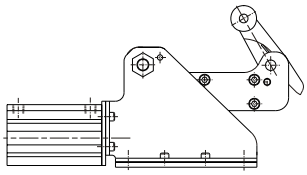
Horizontal stopper cylinder of lower height for conveying the heavy work carriers. Suitable as a stopper cylinder for accumulating line, ageing line, and mulit-stage conveyor line. Softly stops the work carriers of heavy weight and high speed.

Pallet Control Cylinder

STOPPER CYLINDER

Model	MSB*-series							
	MSBD				MSBR			
Operation type	Double acting with spring				Single acting(Spring extended)			
	Shockless stopper				Stopper with roller			
Standard stroke	ϕ 32-20	ϕ 50-30	ϕ 63-30	ϕ 80-40	ϕ 20-20	ϕ 32-20	ϕ 40-30	ϕ 50-30
Magnet	With magnet	With magnet	With magnet	With magnet	With magnet	With magnet	Without magnet	Without magnet
Diagram								

Model	MSB*-series			MSAR		
	MSBS					
Operation type	Double acting			Single acting(Spring extended)		
	Direct stopper			Stopper with roller		
Standard stroke	ϕ 20-10	ϕ 32-20	ϕ 50-30	ϕ 32-30	ϕ 50-30	ϕ 80-30
Magnet	With magnet	With magnet	With magnet	Without magnet	Without magnet	Without magnet
Diagram						

Model	MSL*-series				
	MSLP-P	MSLP-CP	MSLL		MSLD
Operation type	Double acting		Double acting (Spring extended)		Double acting with spring
	Direct stopper		Stopper with roller		Shockless stopper
Standard stroke	ϕ 32-40		ϕ 25-30	ϕ 40-30	ϕ 50-50
Magnet	With magnet		Without magnet	With magnet	With magnet
Diagram					

MSB* series

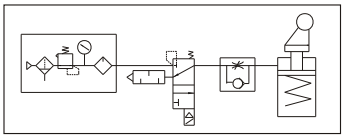
STOPPER CYLINDER

Specification:

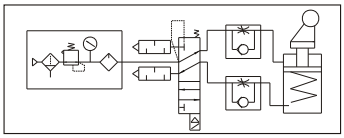
Model	MSB*	
Medium	Air	
Operating pressure range	2~9.9kgf/cm^2	
Proof pressure	15kgf/cm^2	
Ambient temperature	−5~+60℃ (No freezing)	
Lubrication	Not required	
Cushion	With rubber cushion pad	
Sensor switch	RCA for ϕ50	RCB, RCE, RCE1
Sensor switch holder	HS	

Piping diagram:

Single acting



Double acting



Order example:

MSBD − 32 − 20 − (L − K − L) − BSP

Only for MSBD ϕ50-30

BORE SIZE STROKE (mm)

FREE PASS

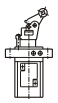
SHOCK ABSORBERS GRADE

LEVEL LOCK MECHANISM

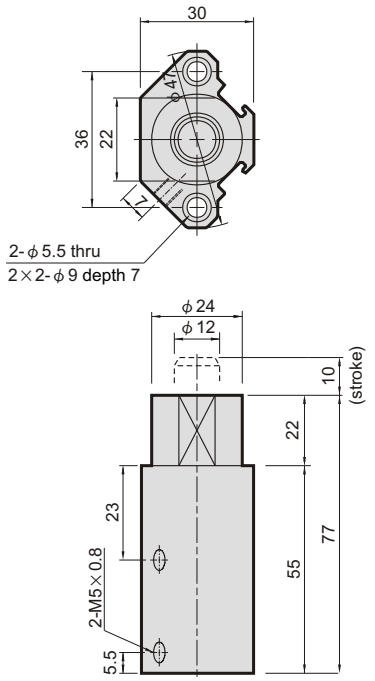
PORT THREAD
Blank: PT thread
BSP: BSP thread
NPT: NPT thread

L	Light	Red
M	Standard	Yellow
H	Powerful	Green

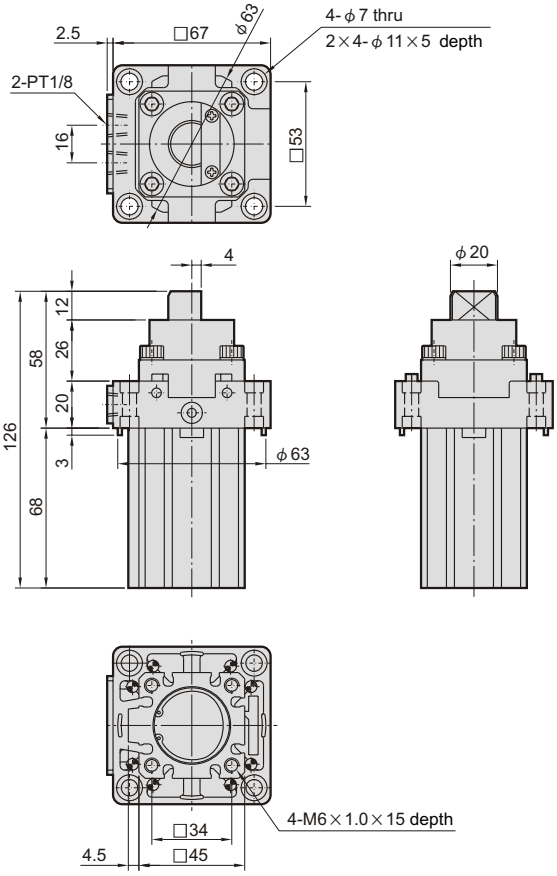
MODEL

Type of cylinder		Operation type	Standard stroke	Magnet	Sensor switch	Weight
MSBD		Double acting with spring	ϕ32-20	○	RCE, RCE1	740 g
		Shockless stopper	ϕ50-30	○	RCA	1800 g
			ϕ63-30	○	RCB, RCE, RCE1	3680 g
			ϕ80-40	○		6820 g
MSBR		Single acting (Spring extended)	ϕ20-20	○	RCB	250 g
			ϕ32-20	○	RCE, RCE1	740 g
		Stopper with roller	ϕ40-30	×	—	1400 g
			ϕ50-30	×	—	1800 g
MSBS		Double acting	ϕ20-10	○	RCB	192 g
			ϕ32-20	○	RCE, RCE1	720 g
		Direct stopper	ϕ50-30	○	RCA	1850 g

MSBS ϕ20-10



MSBS ϕ32-20



MSBS ϕ50-30