

HEMMING COMPONENTS

HEMMING COMPONENTS



Product name Catalog No.	SINGLE LINK UNITS MSHU	PARALLEL LINK UNITS MPHU	PARALLEL LINK UNITS — WIDE TYPE — MPHWU
Page	1384	1385	1386



CORNER LINK UNITS — DOUBLE-HIT PREVENTION TYPE — MCHU	DOUBLE-FULCRUM LINK UNITS MFHU	DRIVERS MHD □ MHD □ W MHD FCD □	DRIVERS MHDF
1387	1388	1389	1391

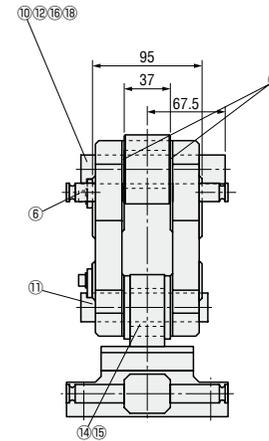
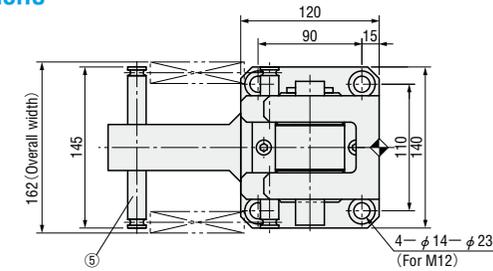


CONVEYER UNITS MMC □ MMCS □ MMUNJL	STOPPER UNITS MHSTU	LIFTER UNITS FOR CONVEYER OPERATION MMCLT
1392	1393	1394

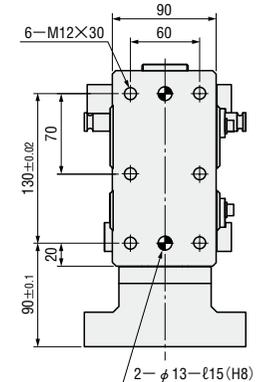
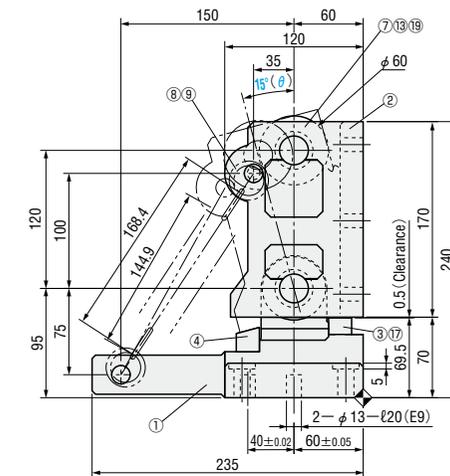
SINGLE LINK UNITS



MSHU



* This drawing shows the right side.
The left side is symmetric to this drawing.



Components list

No.	Name	Qty.	Material & remarks	No.	Name	Qty.	Material & remarks
①	Base	1	Equivalent to FCD600	⑭	Oil-free bushing	1	Copper alloy
②	Bracket	1	Equivalent to FCD600	⑮	Oil-free washer	2	Copper alloy
③	Liner guard	1	SS400	⑯	Hexagon socket head cap bolt	4	M6×16
④	Stopper	1	SS400	⑰	Hexagon socket head cap bolt	2	M8×12
⑤	Tension spring pin	1	SS400	⑱	Spring washer	4	For M6
⑥	Tension spring pin	2	SS400	⑲	Oil-free bushing	1	Copper alloy
⑦	Roller	1	S45C	⑳	Oil-free washer	2	Copper alloy
⑧	Ring for tension spring	4	SS400				
⑨	Tension spring	2	SWP-A				
⑩	Roller shaft	1	S45C				
⑪	Hinge pin	1	S45C				
⑫	Key	2	SS400				
⑬	Oil-free bushing	1	Copper alloy				

Spring force

Free length (mm)	Initial length (mm)	Initial tension N (kgf)	Final length (mm)	Final tension N (kgf)
130.0	144.9	178.9×2 (18.3×2)	168.4	304.2×2 (31.1×2)

Catalog No.	(θ)	R/L
MSHU	15	R · L

Alterations	Catalog No.	(θ)	R/L	(J)
	MSHU	15	L	J

♦ Drivers conforming to this link unit are MHDA and MHD FCD. (P.1389 · 1390)

Order	Catalog No.	(θ)	R/L
	MSHU	15	L

Days to Ship	Quotation
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Price	Quotation
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Alteration	Code	Spec.
	J	Add a 10mm high and 5mm thickness.

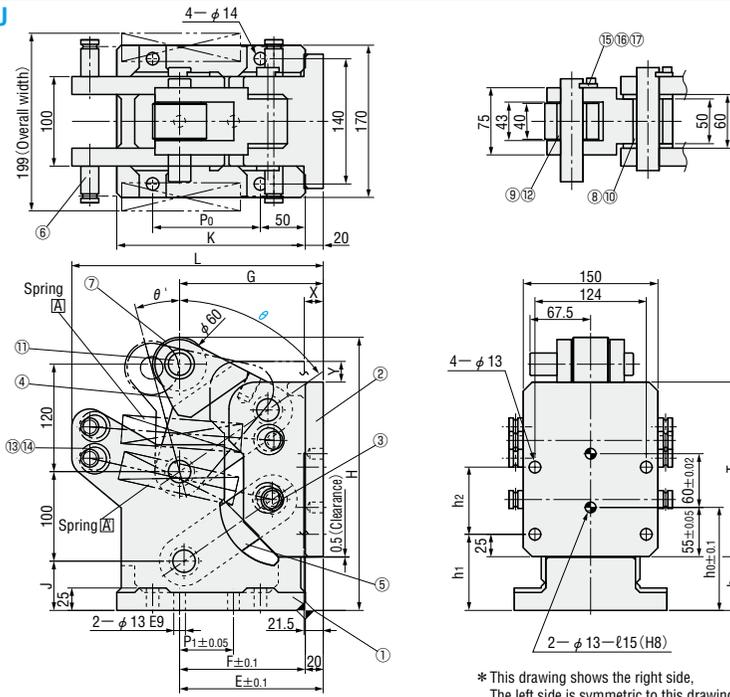
PARALLEL LINK UNITS

PARALLEL LINK UNITS

— WIDE TYPE —



MPHU



■ Components list

No.	Name	Qty.	Material & remarks
①	Base	1	Equivalent to FCD600
②	Bracket	1	Equivalent to FCD600
③	Hinge pin	1	S45C
④	Arm	1	S45C
⑤	Arm	1	S45C
⑥	Tension spring pin	6	SS400
⑦	Roller	1	S45C
⑧	Oil-free bushing	4	Copper alloy
⑨	Oil-free bushing	1	Copper alloy
⑩	Oil-free washer	8	Copper alloy
⑪	Hinge pin	4	S45C
⑫	Oil-free washer	2	Copper alloy
⑬	Tension spring	4	SWP-A
⑭	Ring for tension spring	8	SS400
⑮	Key	5	SS400
⑯	Hexagon socket head cap bolt	10	M6×20
⑰	Spring washer	10	For M6

■ Spring force

θ	Spring	Free length (mm)	Initial length (mm)	Initial tension N (kgf)	Final length (mm)	Final tension N (kgf)	
45	A	130.0	144.1	174.6×2 (17.9×2)	168.0	302.0×2 (30.9×2)	
	A		143.3	170.4×2 (17.4×2)	170.0	312.7×2 (32.0×2)	
55	A		147.0	190.1×2 (19.4×2)	168.4	304.2×2 (31.1×2)	
	A		146.6	188.0×2 (19.2×2)	171.5	320.7×2 (32.8×2)	
70	A		174.0	191.9	162.5×2 (16.6×2)	235.9	317.4×2 (32.4×2)
	A		196.0	176.9×2 (18.1×2)	240.3	332.9×2 (34.0×2)	

θ	θ'	E	F	G	H	J	K	L	T	X	Y	P ₀	P ₁	h	h ₀	h ₁	h ₂	Loading capacity (kgf)
45	15	160	140	160	305	55	210	280	210	24.9	19.1	120	60	60	115	85	77	92 max.
55		195	165	190	310	60	235	315	195	21.2	23.1	145	85	50	105	75	55	75 max.
70	25	185	165	190	310	60	235	315	190	27.9	43.8	145	85	50	105	75	55	72 max.

Catalog No.	(θ)	R/L
MPHU	45	R/L
	55	R · L
	70	R · L

Drivers conforming to MPHU45 and MPHU55 are MHDA and MHDFCA. Driver for MPHU70 is MHDC. (P.1389 · 1390)

Order Catalog No. θ - R/L
MPHU 45 - L

Days to Ship **Quotation**

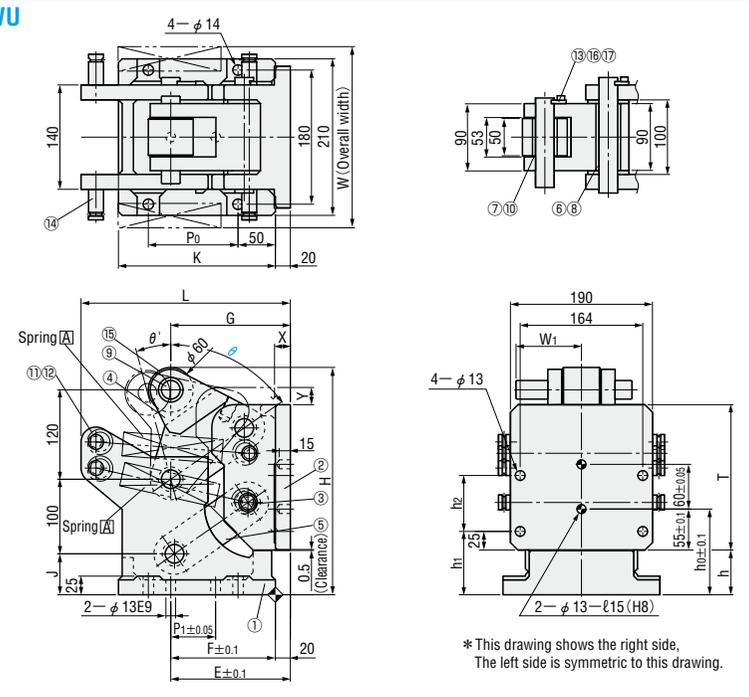
Price **Quotation**

Alteration	Code	Spec.
	J	Add a 10mm high and 5mm thickness.

Alteration	Code	Spec.
	J	Add a 10mm high and 5mm thickness.



MPHWU



■ Components list

No.	Name	Qty.	Material & remarks
①	Base	1	Equivalent to FCD600
②	Bracket	1	Equivalent to FCD600
③	Hinge pin	1	S45C
④	Arm	1	S45C
⑤	Arm	1	S45C
⑥	Oil-free bushing	4	Copper alloy
⑦	Oil-free bushing	1	Copper alloy
⑧	Oil-free washer	8	Copper alloy
⑨	Hinge pin	4	S45C
⑩	Oil-free washer	2	Copper alloy
⑪	Tension spring	4	SWP-A
⑫	Ring for tension spring	8	SS400
⑬	Key	5	SS400
⑭	Tension spring pin	6	SS400
⑮	Roller	1	S45C
⑯	Hexagon socket head cap bolt	10	M6×20
⑰	Spring washer	10	For M6

■ Spring force

θ	Spring	Free length (mm)	Initial length (mm)	Initial tension N (kgf)	Final length (mm)	Final tension N (kgf)	
45	A	130.0	144.1	174.6×2 (17.9×2)	168.0	302.0×2 (30.9×2)	
	A		143.3	170.9×2 (17.5×2)	170.1	313.2×2 (32.0×2)	
55	A		147.0	190.1×2 (19.4×2)	168.4	304.2×2 (31.1×2)	
	A		146.6	188.0×2 (19.2×2)	171.5	320.7×2 (32.8×2)	
70	A		174.0	191.9	162.5×2 (16.6×2)	235.9	317.4×2 (32.4×2)
	A		196.0	176.9×2 (18.1×2)	240.3	332.9×2 (34.0×2)	

θ	θ'	W	W ₁	E	F	G	H	J	K	L	T	X	Y	P ₀	P ₁	h	h ₀	h ₁	h ₂	Loading capacity (kgf)
45	15	239	100	160	140	160	305	55	210	280	210	24.9	19.1	120	60	60	115	85	77	92 max.
55		195	78	185	165	190	310	60	235	315	195	21.2	23.1	145	85	50	105	75	55	75 max.
70	25	243	78	185	165	190	310	60	235	315	190	27.9	43.8	145	85	50	105	75	55	72 max.

Catalog No.	(θ)	R/L
MPHWU	45	R · L
	55	R · L
	70	R · L

Driver conforming to MPHWU45 and MPHWU55 is MHDW. Driver for MPHWU70 is MHDW. (P.1389 · 1390)

Order Catalog No. θ - R/L
MPHWU 45 - R

Days to Ship **Quotation**

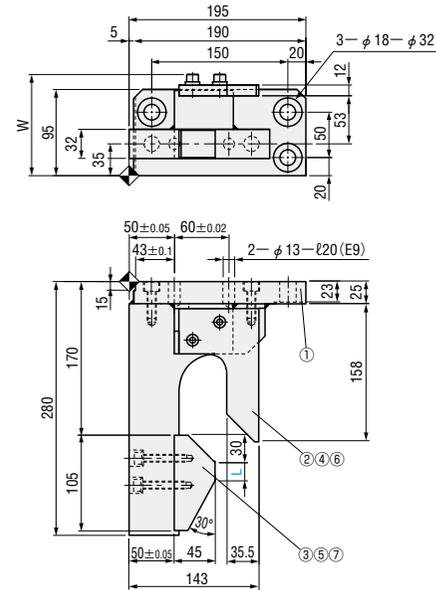
Price **Quotation**

Alteration	Code	Spec.
	J	Add a 10mm high and 5mm thickness.

Alteration	Code	Spec.
	J	Add a 10mm high and 5mm thickness.

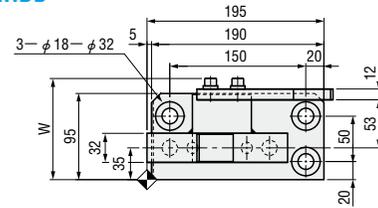


MHDA MHDAW

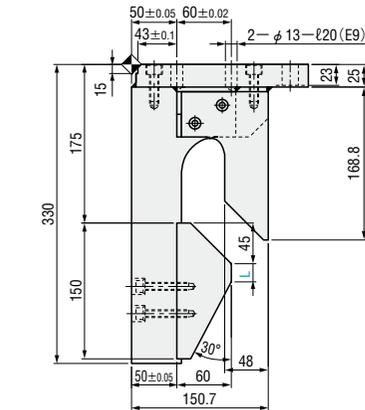
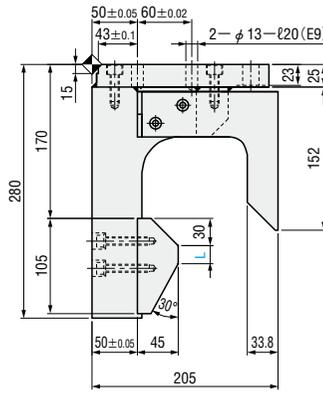
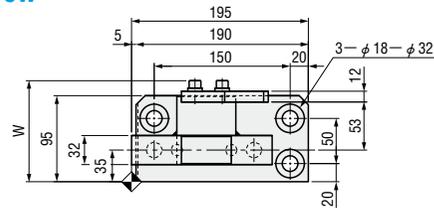


* This drawing shows the right side.
The left side is symmetric to this drawing.

MHDB



MHDC MHDCW



⊕ The maximum allowable load for drivers is 2000kgf.

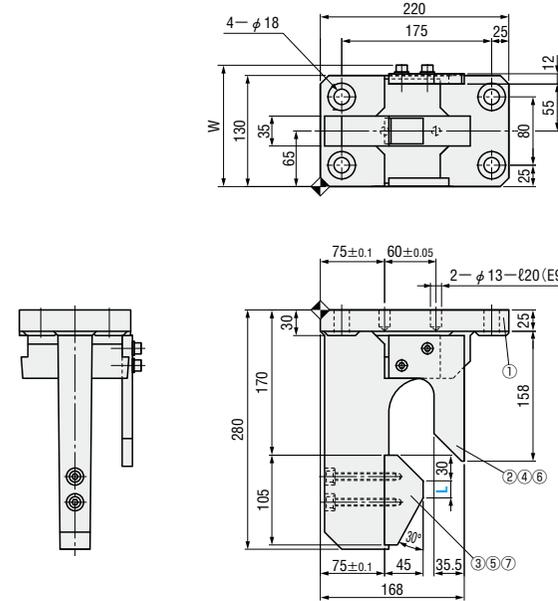
■ Components list

No.	Name	Qty.	Material & remarks
①	Base	1	SS400
②	Driving plate	1	SS400
③	Cam block	1	S45C HRC50~
④	Hexagon socket head cap bolt	2	M10×30
⑤	Hexagon socket head cap bolt	2	M8×55
⑥	Spring washer	2	For M10
⑦	Spring washer	2	For M8

■ Comparison list of link units and drivers

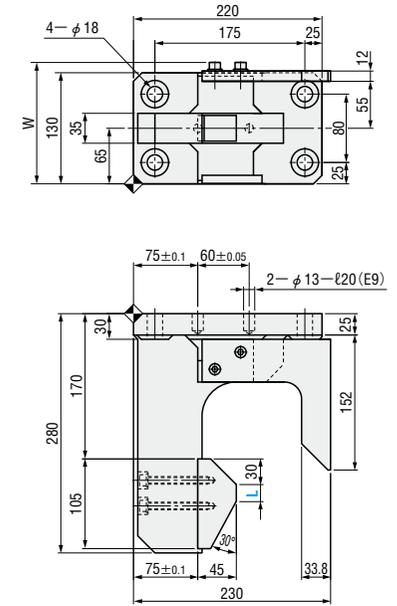
Link units			Drivers
MSHU	MPHU45	MPHU55	MHDA
			MHDC
MPHWU45	MPHWU55		MHDAW
			MHDCW
MPHWU70			MHDB

MHDFCDA



* This drawing shows the right side.
The left side is symmetric to this drawing.

MHDFCDB



■ Components list

No.	Name	Qty.	Material & remarks
①	Base	1	Equivalent to FCD600
②	Driving plate	1	SS400
③	Cam block	1	S45C HRC50~
④	Hexagon socket head cap bolt	2	M10×30
⑤	Hexagon socket head cap bolt	2	M8×75
⑥	Spring washer	2	For M10
⑦	Spring washer	2	For M8

■ Comparison list of link units and drivers

Link units			Drivers
MSHU	MPHU45	MPHU55	MHDFCDA
MCHU			MHDFCDB

W	Catalog No.	L	R/L
112.5	MHDA MHDB MHDC	10 15 20 25	R · L
124.5	MHDAW MHDCW		
142	MHDFCDA MHDFCDB		

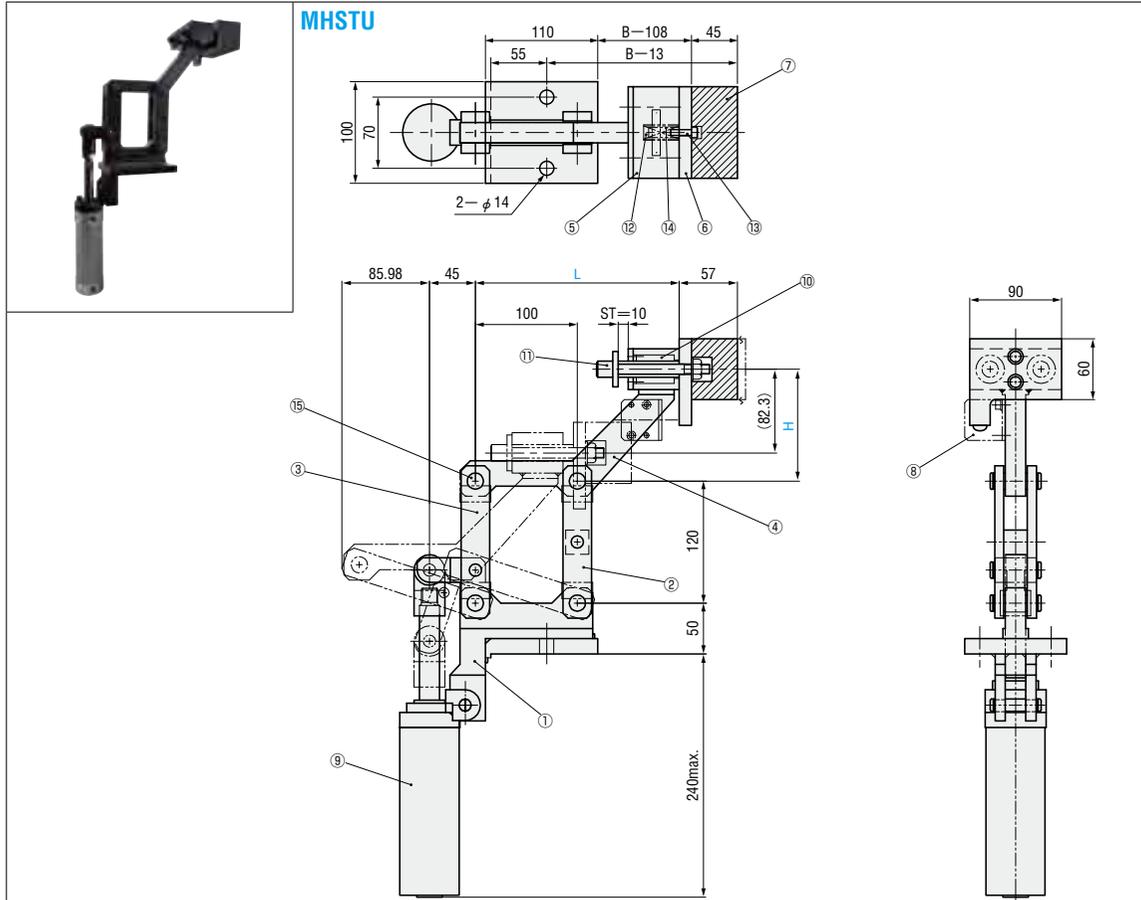
Order Catalog No. **MHDFCDA** L 25 - R/L L

Days to Ship **Quotation**

Price **Quotation**

STOPPER UNITS

LIFTER UNITS FOR CONVEYER OPERATION



Ⓜ This drawing shows the proximity switch bracket
Ⓜ mount on the right side.

Components list

No.	Name	Qty.	Material & remarks	No.	Name	Qty.	Material & remarks
①	Mounting base	1	SS400	⑨	Cylinder	1	SMC
②	Link	1	SS400	⑩	Bushing	2	
③	Arm	1	SS400	⑪	Bolt assembly	2	S45C SCM435
④	Bracket	1	SS400	⑫	Spring	1	SWP-A
⑤	Link plate	1	SPHC	⑬	Bushing	2	SCM435
⑥	Link plate	1	SS400	⑭	Bolt	1	
⑦	Stopper	1	Urethane	⑮	Hinge pin	4	S45C
⑧	Proximity switch bracket	1	SPC-C				

Catalog No.	H 5mm increment	L 5mm increment
MHSTU	100~150	170~205



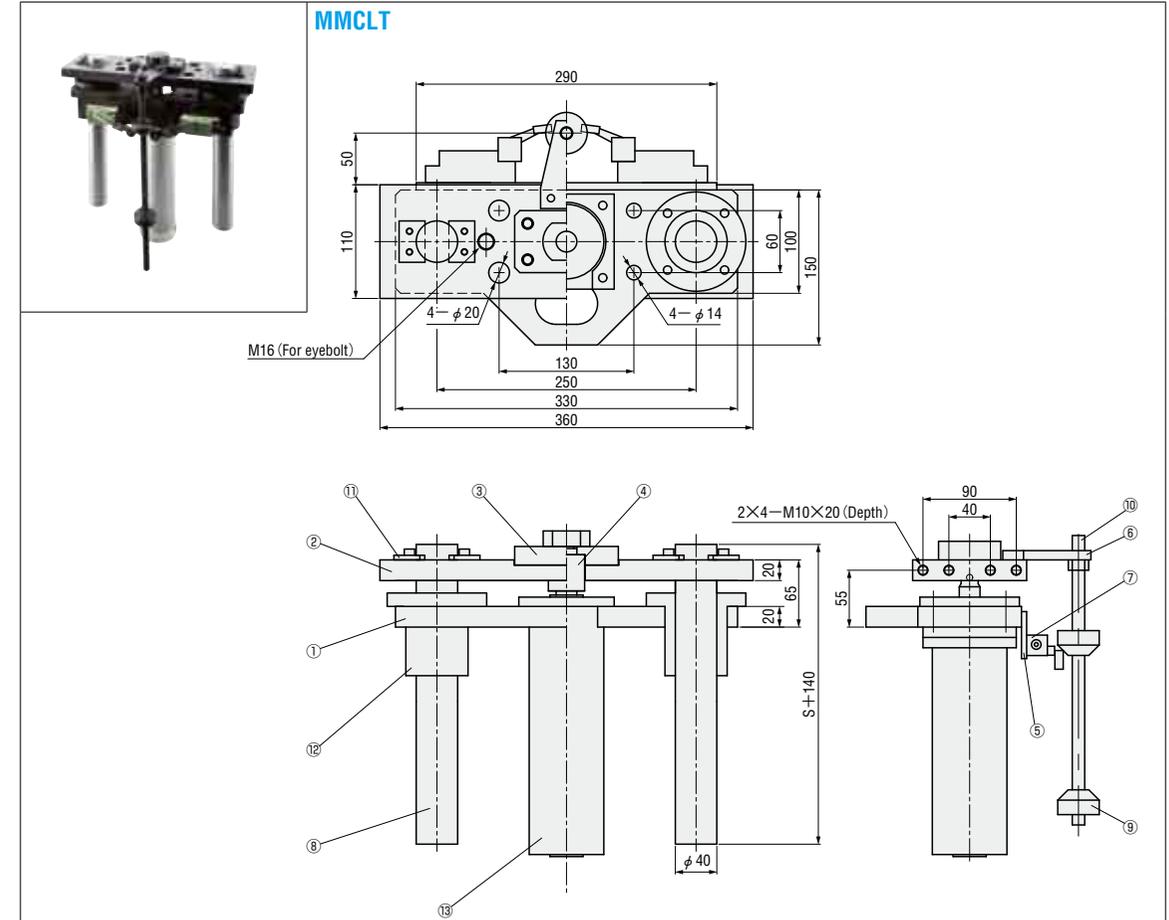
Alterations

Catalog No.	H	L	(R · L)
MHSTU	150	200	R
Code	Spec.		
R	Mount the proximity switch bracket ⑧ on the right side.		
L	Mount the proximity switch bracket ⑧ on the left side.		

Order	Catalog No.	H	L
	MHSTU	150	200

Days to Ship	Quotation
	Quotation

Price	Quotation
	Quotation



Components list

No.	Name	Qty.	Material & remarks	No.	Name	Qty.	Material & remarks
①	Mounting baseplate	1	SS400	⑧	Guide shaft	2	SUJ2
②	Lifting plate	1	SS400	⑨	Adjusting block	2	SS400
③	Cover	1	SS400	⑩	Adjusting bolt	1	SS400
④	Cylinder fittings	1	S45C	⑪	Lock block	4	SS400
⑤	Bracket for limit switch	1	SS400	⑫	Bushing	2	
⑥	Link plate	1	SS400	⑬	Cylinder	1	SMC
⑦	Limit switch	2	Domestic made				

Catalog No.	ST
MMCLT	100
	125
	150
	175
	200
	250
	300



Order

Catalog No.	ST
MMCLT	125



Days to Ship

Quotation



Price

Quotation