

COMPONENTS FOR LIFTING AND DIE STORING

COMPONENTS FOR LIFTING AND DIE STORING



LIFTING BARS
HLFB



LIFTING EYE BOLTS
CHI



CAST-IN LIFTING BOLTS
CSN



HOOKS —BOLT TYPE—
CHN

Product name Catalog No.	LIFTING BARS HLFB	LIFTING EYE BOLTS CHI	CAST-IN LIFTING BOLTS CSN	HOOKS —BOLT TYPE— CHN
Page	1048	1049	1049	1050



HOOKS —LARGE HEAD BOLT TYPE—
CHNL



HOOKS —PLATE TYPE—
CHP



HOOKS —LARGE HEAD PLATE TYPE—
CHPL



LIFTING HOOKS, INSERT TYPE
CHU



CAST-IN HOOKS
CHF

HOOKS —LARGE HEAD BOLT TYPE— CHNL	HOOKS —PLATE TYPE— CHP	HOOKS —LARGE HEAD PLATE TYPE— CHPL	LIFTING HOOKS, INSERT TYPE CHU	CAST-IN HOOKS CHF
1050	1051	1052	1053	1054



CAST-IN HOOKS —LARGE HEAD TYPE—
CHFL



T-SHAPED BOLTS
TB



DIE FIXING PLATES
DKP DKPL



HOLDING PIPES FOR TRANSPORT
DYP



DIE STORAGE BUSHINGS
KPB

CAST-IN HOOKS —LARGE HEAD TYPE— CHFL	T-SHAPED BOLTS TB	DIE FIXING PLATES DKP DKPL	HOLDING PIPES FOR TRANSPORT DYP	DIE STORAGE BUSHINGS KPB
1054	1054	1055	1056	1056



URETHANE STOCK BLOCK SETS
PHBT PHBTN PHUB PHUBN



STROKE END PIPES
PH PHN



URETHANE STOCK BLOCKS
EST ESBT ESU ESUB



URETHANE ABSORBERS
DUSA



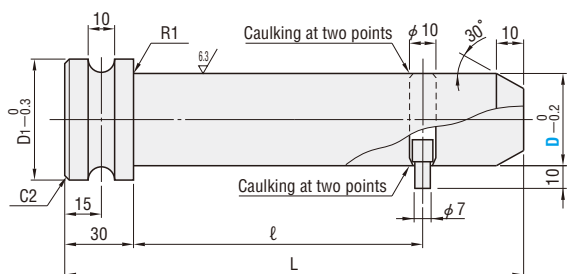
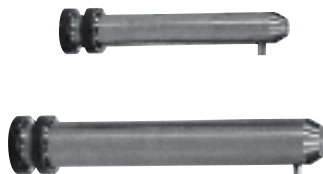
URETHANE PADS
DURP

URETHANE STOCK BLOCK SETS PHBT PHBTN PHUB PHUBN	STROKE END PIPES PH PHN	URETHANE STOCK BLOCKS EST ESBT ESU ESUB	URETHANE ABSORBERS DUSA	URETHANE PADS DURP
1057 1058	1059	1060	1060	1060

LIFTING BARS

RoHS

HLFB



M S45C
With stopper

D ₁	L	l	Max. allowable load when 4 bars are used N (kgf)	Catalog No.		Base unit price 1 ~ 9 pieces
				Type	D	
34	185	135	29420 { 3000 }	HLFB	25	Quotation
44	240	190	49033 { 5000 }		35	
50	260	210	88260 { 9000 }		40	
60	290	240	137293 { 14000 }		50	
75	335	285	166712 { 17000 }		65	

● Load (kgf) = Load N × 0.101972



Order

Catalog No.

HLFB 25



Price

Quotation



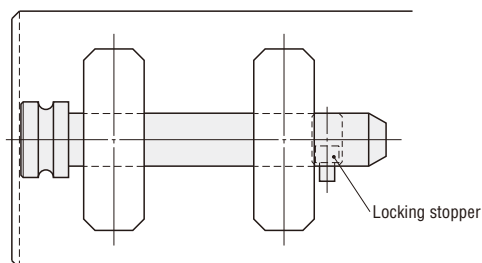
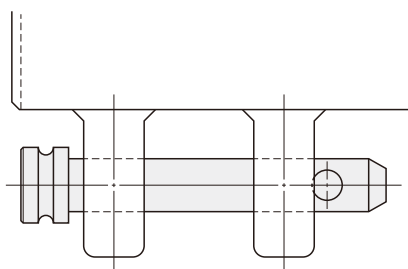
Days to Ship

Quotation



Example

Be sure to install with the locking stopper facing downwards.
Install so that the flange does not protrude from the die during use.

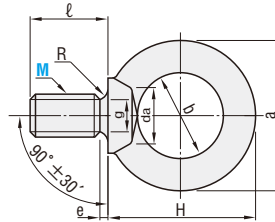


LIFTING EYE BOLTS / CAST-IN LIFTING BOLTS

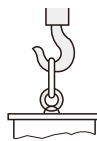
Lifting eye bolts —For vertical lifting—

RoHS

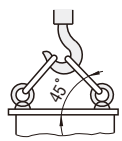
CHI



A Type
Vertical lifting



B Type
45° lifting



SS400
Bolt precision JIS 1168

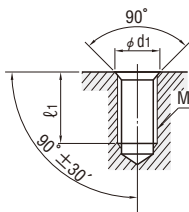
M×P	a	b	C	D	H	ℓ	e	g	R	da	Max. allowable load N {kgf}	Catalog No.	Base unit price	Volume discount unit price
											A: Vertical, 1 bolt B: 45°, 2 bolts	Type	M	1 ~ 19 pieces
6×1.0	24.9	14.5	5.2	12.8	28.5	15	3	4.7	1.0	7.9	392 { 40 }	CHI	6	20 ~ 49
8×1.25	32.6	20	6.3	16	33.3	15	3	6	1.0	9.2	785 { 80 }		8	50 ~ 99
10×1.5	41	25	8	20	41.5	18	4	7.7	1.2	11.2	1471 { 150 }		10	100 ~ 200
12×1.75	50	30	10	25	51	22	5	9.4	1.4	14.2	2157 { 220 }		12	
16×2.0	60	35	12.5	30	60	27	5	13	1.6	18.2	4413 { 450 }		16	
20×2.5	72	40	16	35	71	30	6	16.4	2	22.4	6178 { 630 }		20	
24×3.0	90	50	20	45	90	38	8	19.6	2.5	26.4	9316 { 950 }		24	
30×3.5	110	60	25	60	110	45	8	25	3	33.4	14710 { 1500 }		30	
36×4.0	133	70	31.5	70	132	55	10	30.3	3	39.4	22555 { 2300 }		36	
42×4.5	151	80	35.5	80	151	65	12	35.6	3.5	45.6	33342 { 3400 }		42	
48×5.0	170	90	40	90	170	70	12	41	4	52.6	44130 { 4500 }		48	

•Load {kgf}=Load {N}×0.101972

Installation

Tighten the lifting eye bolt lightly by hand so that the seat of the bolt is firmly in contact with the plate.

Catalog No.	d ₁	ℓ ₁
6	9	17
8	11	17
10	13	20
12	16	24
16	20	30
20	24	34
24	28	42
30	36	50
36	42	60
42	48	70
48	56	76



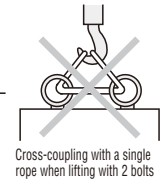
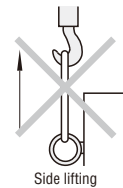
When 2 lifting eye bolts are used for lifting, install the bolts so that they face in the same direction.



Caution

Incorrect examples

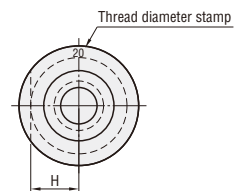
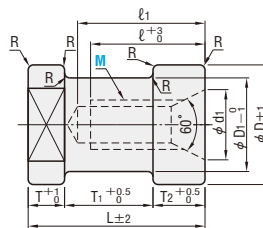
Never attempt the types of lifting shown in the diagram.



CAST-IN LIFTING BOLTS

RoHS

CSN



SS304

Max. allowable load N [kgf]			M×P	D	D ₁	d ₁	ℓ	ℓ ₁	L	T	T ₁	T ₂	H	R	Catalog No.		Base unit price
Lifting bolt	Lifting eye bolt														Type	M	1 ~ 19 pieces
2 bolts	Vertical, 1 bolt	45°, 2 bolts															
3730 { 380 }	2160 { 220 }	2160 { 220 }	12×1.75	38	28	18	30	40	55	10	30	15	14	2	CSN	12	Quotation
6620 { 675 }	4410 { 450 }	4410 { 450 }	16×2.0	46	36	22	35	45	55	10	30	15	18	2		16	
8830 { 900 }	5880 { 600 }	5880 { 600 }	20×2.5	48	38	28	45	55	70	15	35	20	19	2		20	
13340 { 1360 }	9810 { 1000 }	9810 { 1000 }	24×3.0	55	45	36	55	65	85	20	45	20	22.5	2		24	
19810 { 2020 }	16670 { 1700 }	16670 { 1700 }	30×3.5	65	52	42	65	75	95	25	50	20	26	3		30	
58450 { 5960 }	22560 { 2300 }	22560 { 2300 }	36×4.0	85	70	48	75	90	110	30	55	25	35	3	36		

•Load {kgf}=Load {N}×0.101972



Order

Catalog No.

CHI 10
CSN 24



Price

Quotation

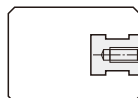


Days to Ship

Quotation

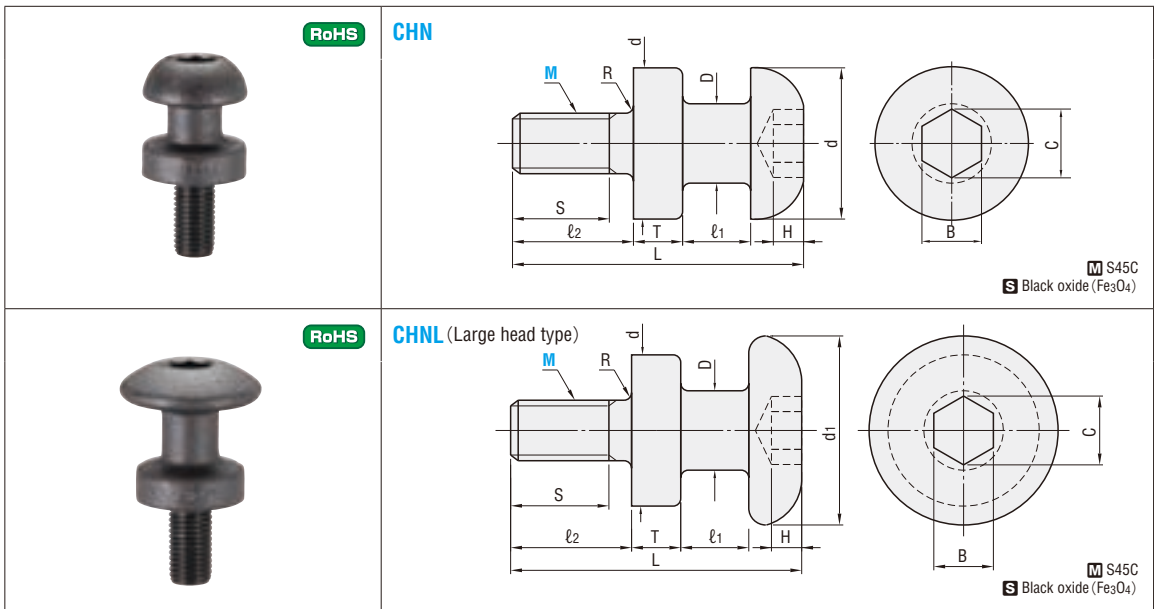


Example



HOOKS

—BOLT TYPE / LARGE HEAD BOLT TYPE—



M×P	D	d	d1	l1		l2	S	T	L		R	H	B	C	N/piece (kg/piece) For steel, (safety factor 10)	Catalog No.		Base unit price 1 ~ 19 pieces
				CHN	CHNL				CHN	CHNL						Type	M	
10×1.5	13	32	42	10	18	20	16	8	46	54	1.5	5	8	9.2	2452 250	CHN CHNL	10	
12×1.75	16	36	48	13	20	24	20	10	57	64	1.5	6	10	11.7	3530 360		12	
16×2.0	20	40	52	18	25	30	25	13	75	82	2	9	14	16.3	6669 680		16	
20×2.5	25	48	62	20	28	37	32	16	90	98	2	12	17	19.8	10395 1060		20	Quotation
24×3.0	32	58	76	25	33	47	40	20	111	119	2.5	13	19	22.1	15004 1530		24	
30×3.5	36	68	88	30	40	56	48	22	131	141	3	16	22	25.6	23830 2430		30	
36×4.0	40	78	100	30	40	68	58	25	148	158	3	18	27	31.4	34814 3550		36	

●Load (kgf) = Load (N) × 0.101972

Installation The bolt holes for installation should be machined as shown in figure a) or b) below. The head of CHN and CHNL should be in tight contact with the side surface of the die set when the bolts are used.

a)

M	d2	l3
10	15	22
12	18	26
16	23	32
20	27	40
24	35	50
30	42	60
36	50	72

b)

M	d3	l4	l5
10	12	22	5
12	14	26	6
16	18	32	6
20	22	40	6
24	28	50	8
30	34	60	9
36	40	72	11



Catalog No.
CHNL 20



Days to Ship

Quotation

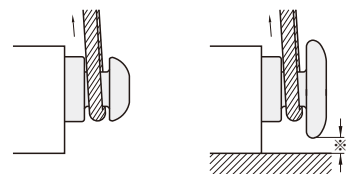


Price

Quotation



Example

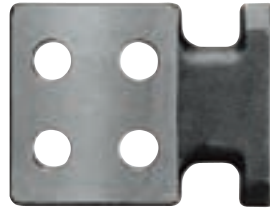


※ Install so that the wire can be passed under the hook without contacting the bottom surface.
<Large head type>

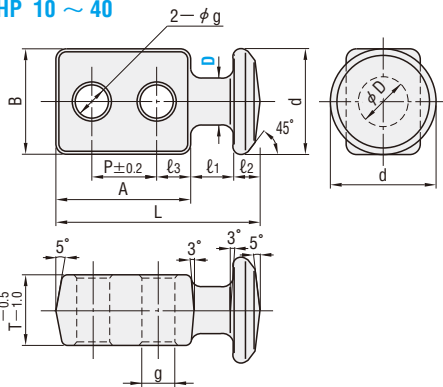
HOOKS

— PLATE TYPE —

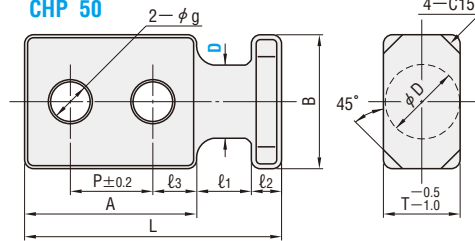
RoHS



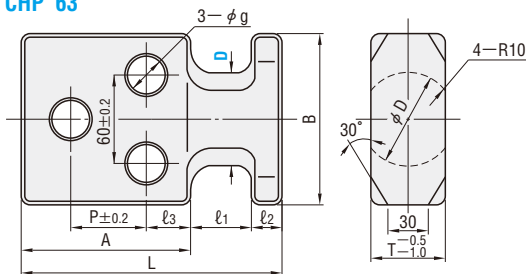
CHP 10 ~ 40



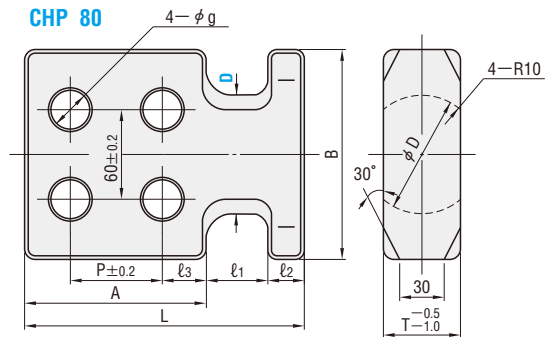
CHP 50



CHP 63



CHP 80



SS400

d	B	T	L	A	ℓ ₁	ℓ ₂	ℓ ₃	P	g	N/piece (kgf/piece) For steel, safety factor 10	Catalog No.		Base unit price 1 ~ 19 pieces
											Type	D	
28	28	18	50	32	10	8	8	16	7	1569 { 160 }	CHP	10	Quotation
32	32	20	56	38	10	8	10	18	9	3530 { 360 }		12	
36	36	24	67	46	13	8	12	22	11	4511 { 460 }		16	
40	40	26	88	60	18	10	15	30	14	5492 { 560 }		20	
48	48	35	92	60	20	12	15	30	14	6570 { 670 }		25	
55	55	40	118	80	25	13	20	40	18	12160 { 1240 }		32	
70	70	50	138	93	30	15	24	45	22	19123 { 1950 }		40	
—	90	50	170	115	35	20	30	55	26	27459 { 2800 }		50	
—	115	50	175	115	40	20	30	55	26	39227 { 4000 }		63	
—	140	50	185	120	40	25	30	60	26	50995 { 5200 }		80	

•Load (kgf) = Load N × 0.101972



Order

Catalog No.

CHP 25



Days to Ship

Quotation



Price

Quotation



Example

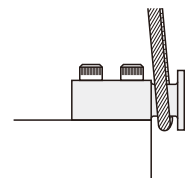
The direction of lifting must be the same direction as the bolt shaft.

■CHP50・63・80 installation bolts (strength class 10.9)

Length of threaded part	Catalog No.
Full thread	Type M—L CB 24—80
60	90 100 110 120

Use bolts of strength class 12.9 or 10.9 as defined in JIS B 1176 or JIS B 1180.

⚠ Detailed dimensions, other sizes, delivery, and prices **P.677**



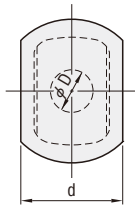
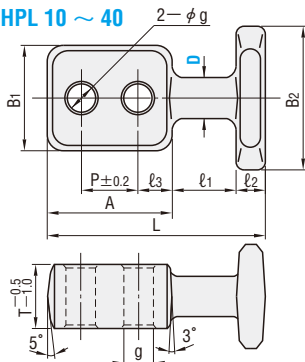
HOOKS

— LARGE HEAD TYPE —

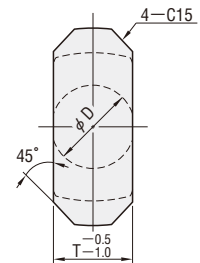
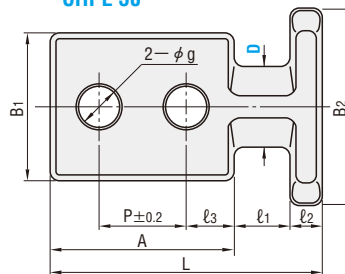
RoHS



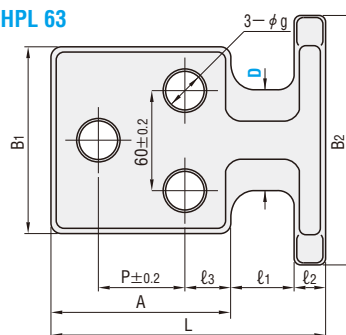
CHPL 10 ~ 40



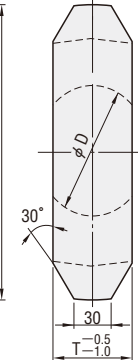
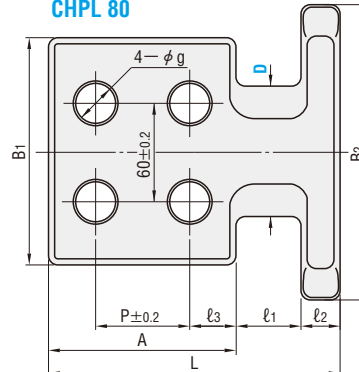
CHPL 50



CHPL 63



CHPL 80



SS400

d	B1	B2	T	L	A	ℓ1	ℓ2	ℓ3	P	g	N/piece (kg/piece) For steel, safety factor 10	Catalog No.		Base unit price 1 ~ 19 pieces
												Type	D	
28	28	38	18	61	32	20	9	8	16	7	1569 { 160 }	CHPL	10	Quotation
32	32	44	20	67	38	20	9	10	18	9	3530 { 360 }		12	
36	36	50	24	78	46	20	12	12	22	11	4511 { 460 }		16	
40	40	56	26	97	60	25	12	15	30	14	5492 { 560 }		20	
48	48	68	35	98	60	25	13	15	30	14	6570 { 670 }		25	
55	55	77	40	125	80	30	15	20	40	18	12160 { 1240 }		32	
70	70	100	50	143	93	35	15	24	45	22	19123 { 1950 }		40	
—	90	120	50	170	115	35	20	30	55	26	27459 { 2800 }		50	
—	115	155	50	175	115	40	20	30	55	26	39227 { 4000 }		63	
—	140	180	50	185	120	40	25	30	60	26	50995 { 5200 }		80	

※ □: Indicates dimensions which are different from CHP.

● Load (kgf) = Load N × 0.101972



Order

Catalog No.
CHPL 25



Price

Quotation



Days to Ship

Quotation



Example

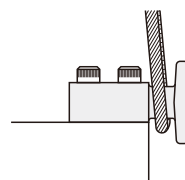
The direction of lifting must be the same direction as the bolt shaft.

■ CHPL50-63-80 installation bolts (strength class 10.9)

Length of threaded part	Catalog No.
Full thread	Type M—L CB 24—80
60	90 100 110 120

Use bolts of strength class 12.9 or 10.9 as defined in JIS B 1176 or JIS B 1180.

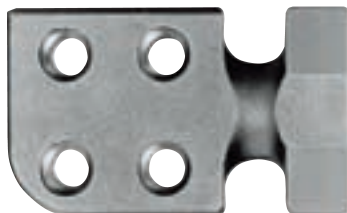
◆ Detailed dimensions, other sizes, delivery, and prices P.677



LIFTING HOOKS, INSERT TYPE

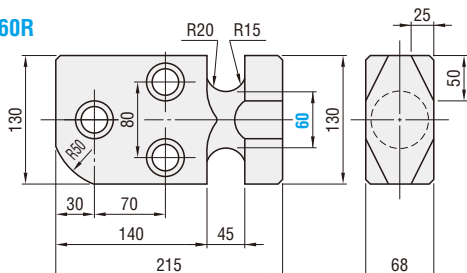


RoHS

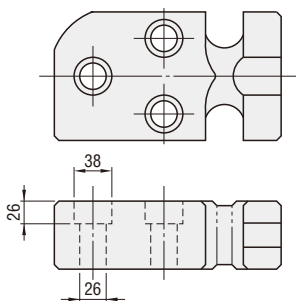


RoHS

CHU60R

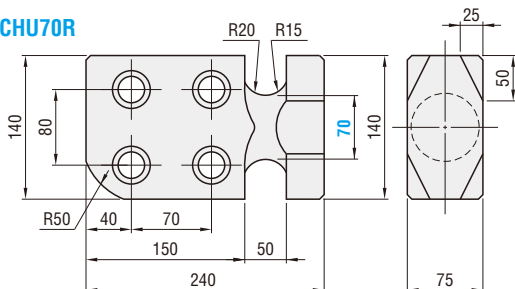


CHU60L

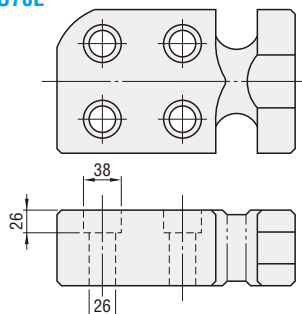


SS400

CHU70R



CHU70L



SS400

N/piece {kg/piece} (For steel, safety factor 10)	Catalog No.		Base unit price 1 ~ 19 pieces
42170 {4300}	CHU	60R	Quotation
		60L	
47070 {4800}		70R	
		70L	

•Load [kgf] = Load N × 0.101972

■CHU installation bolts (strength class 10.9)

Use bolts of strength class 12.9 or 10.9 as defined in JIS B 1176 or JIS B 1180.

☞ Detailed dimensions, other sizes, delivery, and prices **P.677**

Length of threaded part	Catalog No.
Full thread	Type M—L
	CB 24—80
	90
	100
60	110
	120



Order

Catalog No.

CHU 60R



Days to Ship

Quotation

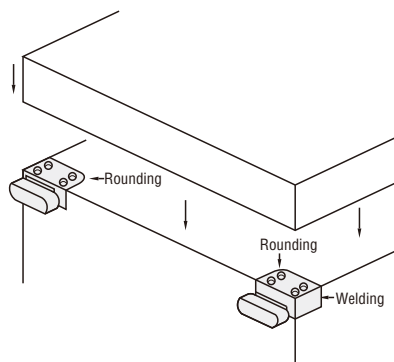


Price

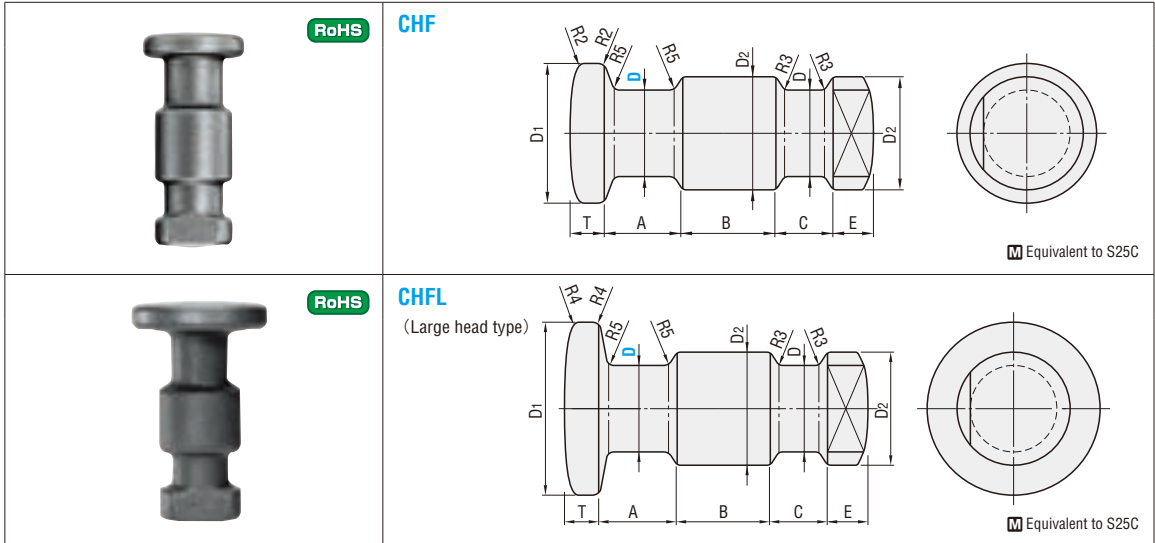
Quotation



Example

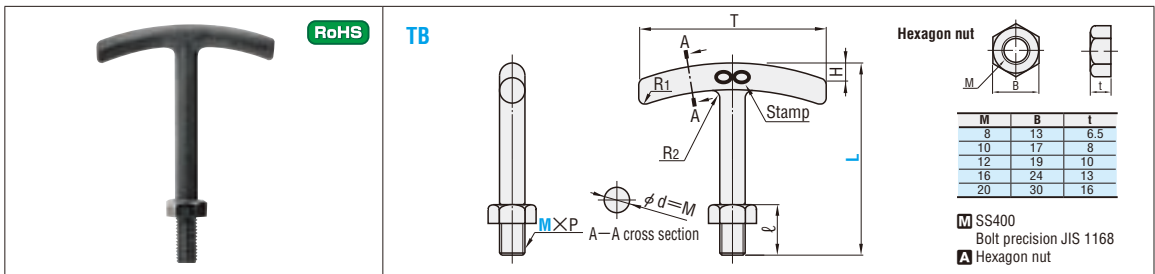


CAST-IN LIFTING HOOKS AND T-SHAPED BOLTS



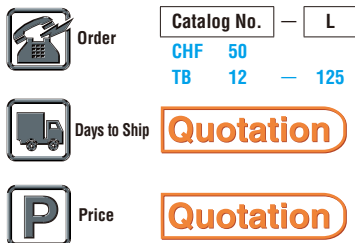
D	D ₁		D ₂	T		A	B	C	E	N/piece {kgt/piece}	Catalog No.		Base unit price 1 ~ 19 pieces	
	CHF	CHFL		CHF	CHFL						Type	D	CHF	CHFL
25	46	60	36	12	12.6	25	30	15	16.6	7940 { 810 }	CHF CHFL	25		
32	55	70	42	12.4	13.1	30	40	20	16.8	13140 { 1340 }		32		
36	60	80	46	17.6	18.5	35	45	25	17	16570 { 1690 }		36	Quotation	
40	70	90	55	18.1	18.9	35	60	30	17.4	20500 { 2090 }		40		
50	90	120	70	23.9	25.2	35	70	40	18.1	32070 { 3270 }		50		
70	120	140	100	30.2	31.1	40	80	40	19.4	62860 { 6410 }		70		

●Load (kgf) = Load N × 0.101972



M×P	H	R ₁	R ₂	T	ℓ	N/piece (kg/piece)	Catalog No.		L	Base unit price 1 ~ 19 pieces
							Type	M		
8×1.25	8	2	3	80	22	686 { 70 }	TB	8	100	
10×1.5	8	3	5	80	28	981 { 100 }		10	110	
12×1.75	8	3	5	90	34	1471 { 150 }		12	125	Quotation
16×2.0	10	5	6	100	45	2942 { 300 }		16	135	
20×2.5	10	5	8	120	50	3923 { 400 }		20	160	

●Load (kgf) = Load N × 0.101972



T-shaped bolts Installation

Screw the bolt into the plate lightly with your hand, then tighten the hex nut firmly so that the nut seat is in tight contact with the surface of the plate.

※Tightening the nut last allows you to adjust the direction of the T-bar as needed.

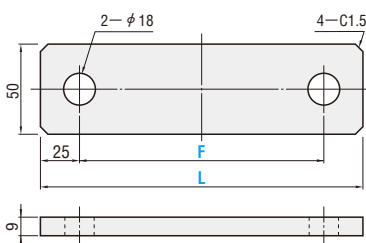
DIE FIXING PLATES / HOLDING PIPES FOR TRANSPORT

Die fixing plates

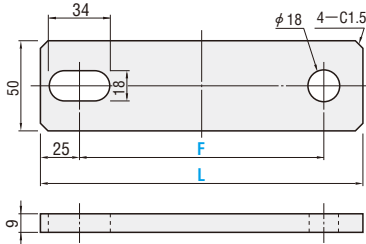
RoHS



DKP



DKPL (Single oblong hole type)



M SS400

Catalog No.		5mm increments	Base unit price
Type	L	F	1 ~ 9 pieces
DKP	200	95 ~ 150	
	250	145 ~ 200	Quotation
	300	195 ~ 250	

Catalog No.		5mm increments	Base unit price
Type	L	F	1 ~ 9 pieces
DKPL (Single oblong hole type)	200	120 ~ 150	
	250	170 ~ 200	
	300	220 ~ 250	Quotation
	350	270 ~ 300	
	400	320 ~ 350	

	Order	Catalog No.	—	F
		DKP	200	— F95
		DKPL	250	— F180

	Days to Ship	Quotation
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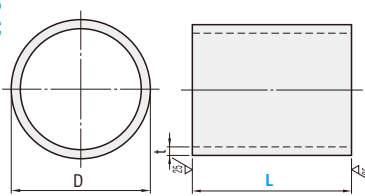
	Price	Quotation
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Holding pipes for transport

RoHS



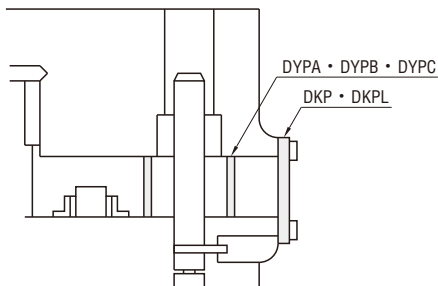
DYPA
DYPB
DYPC



M SGP

D	t	Catalog No.		Base unit price
		Type	L	1 ~ 9 pieces
139.8	4.5	DYPA	100	
			150	
			200	
165.2	5	DYPB	100	
			150	Quotation
			200	
190.7	5.3	DYPC	100	
			150	
			200	

 Example



	Order	Catalog No.
		DYPA 150

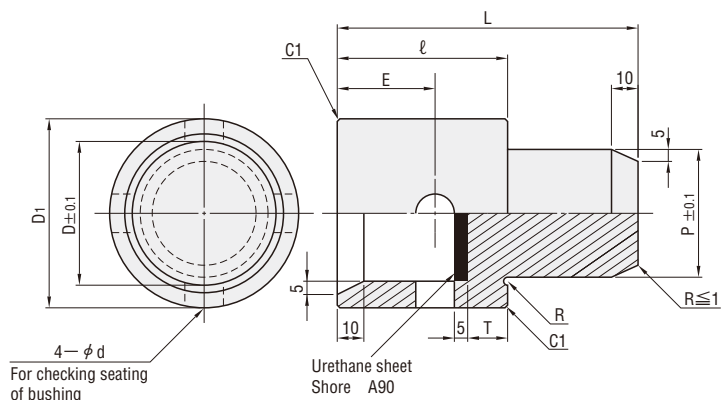
	Days to Ship	Quotation
---	--------------	-----------

	Price	Quotation
---	-------	-----------

DIE STORAGE BUSHINGS

RoHS

KPB



M SS400
S Coating (yellow)
Coated area: Outer circumference of ℓ

Post dia. Bushing inner dia.	D	D ₁	P	L	ℓ	T	E	d	R	Catalog No.		Base unit price 1 ~ 9 pieces
										Type	No.	
25	27	40	24	58	33	8	15	10	1.0	KPB	25	
32	34	47	31	74	42	10	22	10	1.0		32	
38	40	56	37	88	50	12	25.5	15	1.5		38	Quotation
50	52	70	49	115	65	15	37.5	15	1.5		50	
60	62	82	59	138	78	18	47.5	15	1.5		60	

Notes for use

- Use these bushings when temporarily storing a die after the guide posts and guide bushings have been mounted.
- A urethane sheet is applied to serve as a cushion material.
- 4 holes (φ d) are created around the bushing for checking the seating.

Precautions for use

- Do not use these bushings when transporting or shipping the die.
- When KPB is used, avoid stacking dies on top of each other.



Order

Catalog No.

KPB 50



Days to Ship

Quotation

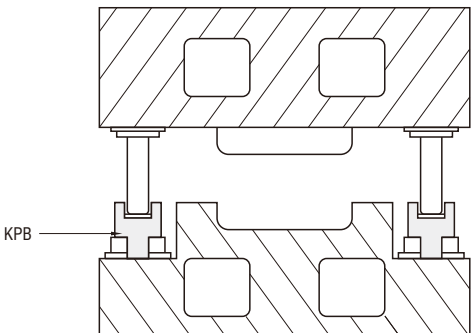


Price

Quotation



Example



PHBT (ESBT+PH set)

②③④ ESBT
① PH
No bottom
RoHS

② EST
④ CB
③ S
D
d
L
L₁ +0.3
D₁
t
15
d₁
20
3
φ13
25
25
W ± 0.5
20

(Urethane stock block)

(Stroke end pipe)

Ⓐ SGP
Ⓑ SS400
Ⓓ Shore A90

Urethane stock blocks ②③④ESBT			Stroke end pipes ①PH					Sleeve ③S	Bolt ④	Catalog No.		L	L ₁	Color	Base unit price
D	L	d	D ₁	L ₁	d ₁	t	W			Type	D				1 ~ 9 sets
40	80	14	60.5	60	52.9	3.8	91	S14	CB8—45 (1 bolt)	PHBT	40	80	60	R (Red) Y (Yellow)	
50	110		89.1	85	80.7		119				50	110	85		
70	140		90	101.6	93.2	4.2	132				70	140	90		
			100										100		
		110	110												
90		22	90	139.8	130.8	4.5	170	90	140		90				
			100								100				
	110		110												
100	22		90	165.2	155.2	5.0	195	S22	CB12—55 (1 bolt)	100	140	90			
		100	100												
		110	110												

PHBTN (ESBT+PHN set)

ESBT

PHN

With bottom

RoHS

ESBT

PHN

EST

CB

S

D

d

L

L1

1.6

20

1.5

D1

d1

d2

A SGP

B SPC

2 Shore A90

Urethane stock block ②③④ESBT			Stroke end pipe ①PHN					Sleeve ③S	Bolt ④	Catalog No.		L	L ₁	Color	Base unit price
D	L	d	D ₁	L ₁	d ₁	d ₂	t			Type	D				1 ~ 9 sets
40	80	14	60.5	60	52.9	9	3.8	S14	CB8—45 (1 bolt)	PHBTN	40	80	R (Red)		
50	110		89.1	85	80.7		4.2				50	110		85	
70			101.6		93.2						70				
90	140	22	139.8	110	130.8	13	4.5	S22	CB12—55 (1 bolt)		90	140	110	Y (Yellow)	
100				152.5			142.5				5.0				100



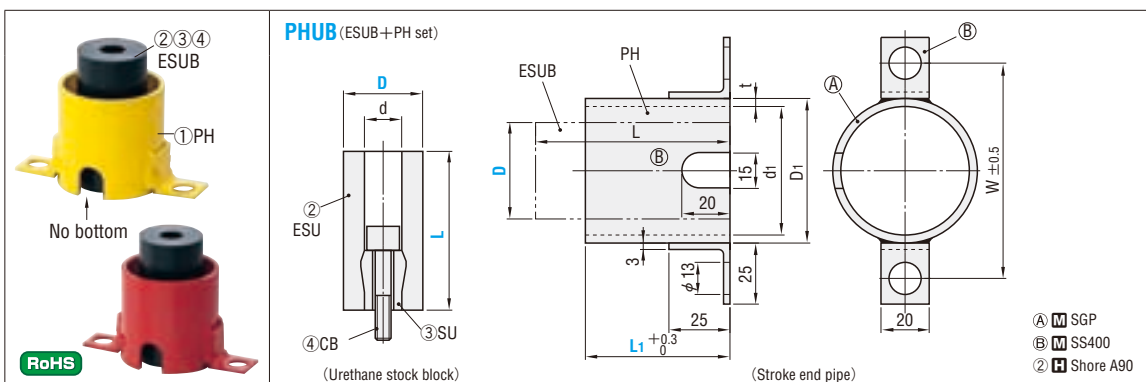
Catalog No.	L	L ₁	Color
PHBT 50	110	85	R
PHBT 70	140	110	Y
PHUB 40	80	60	R
PHUB 90	140	110	Y



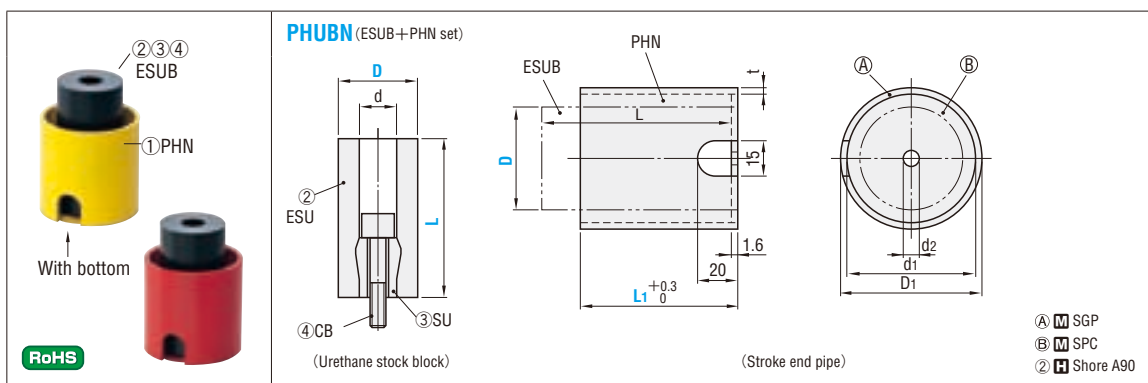
Quotation



Quotation



Urethane stock block ②③④ ESUB			Stroke end pipe ① PH					Sleeve ③ SU	Bolt ④	Catalog No.		L	L ₁	Color	Base unit price
D	L	d	D ₁	L ₁	d ₁	t	W			Type	D				1 ~ 9 sets
40	80	14	60.5	60	52.9	3.8	91	SU14	CB8—45 (1 bolt)	PHUB	40	80	60	R (Red)	Quotation
90	140	22	139.8	90	130.8	4.5	170	SU22	CB12—55 (1 bolt)		90	140	90	Y (Yellow)	

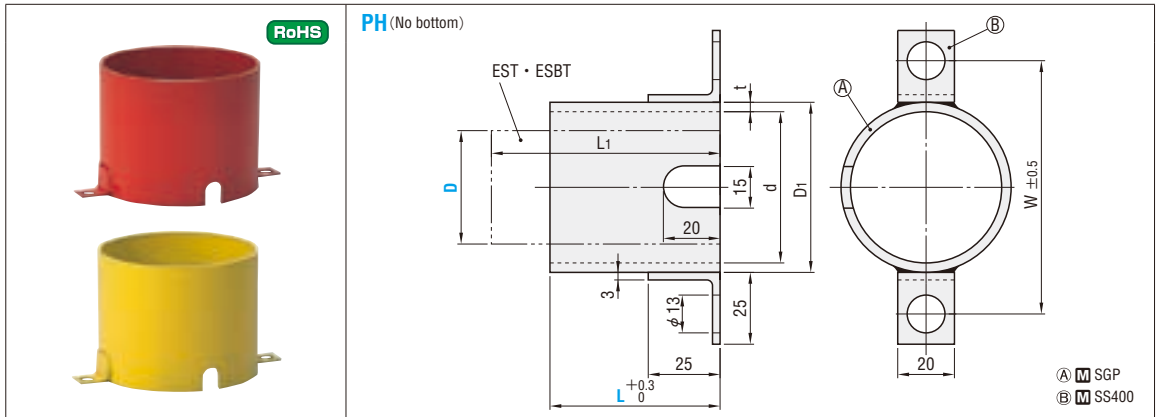


Urethane stock block ②③④ ESUB			Stroke end pipe ① PHN					Sleeve ③ SU	Bolt ④	Catalog No.		L	L ₁	Color	Base unit price
D	L	d	D ₁	L ₁	d ₁	d ₂	t			Type	D				1 ~ 9 sets
40	80	14	60.5	60	52.9	9	3.8	SU14	CB8—45 (1 bolt)	PHUBN	40	80	60	R (Red) Y (Yellow)	Quotation
70	110	22	101.6	85	93.2	13	4.2	SU22	CB12—55 (1 bolt)		70	110	85		
90	140	22	139.8	110	130.8	13	4.5	SU22	CB12—55 (1 bolt)		90	140	110		

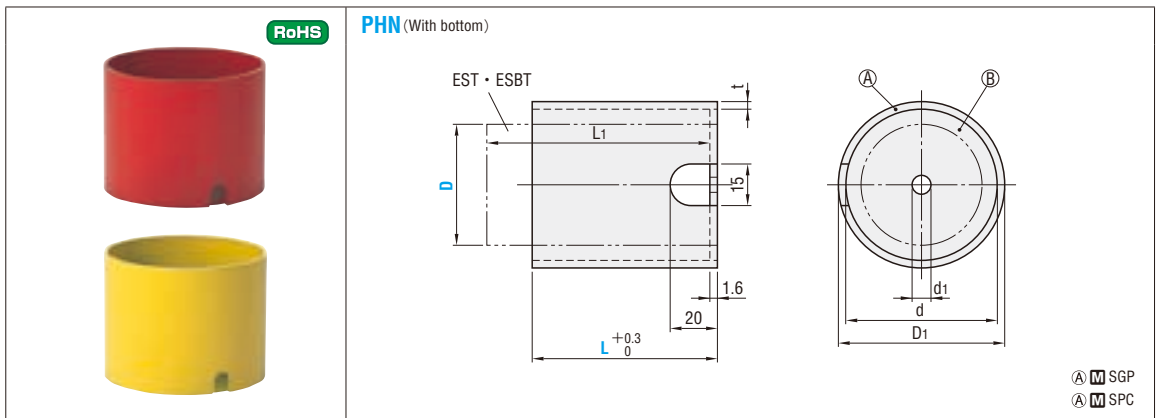
■ List of stroke end pipe and urethane stock block combinations

Set name	Stroke end pipe	Urethane stock block			
①②③④	①	②③④	Components		
			②Urethane	③Sleeve	④Bolt
PHBT	PH (P.1059)	ESBT (P.1060)	EST (P.1060)	S (P.1060)	CB (P.677)
PHBTN	PHN (P.1059)				
PHUB	PH (P.1059)	ESUB (P.1060)	ESU (P.1060)	SU (P.1060)	
PHUBN	PHN (P.1059)				

STROKE END PIPES



EST-ESBT		D ₁	d	t	W	Catalog No.		L	Color	Base unit price 1 ~ 9 pieces
D	L ₁					Type	D			
40	80	60.5	52.9	3.8	91	PH	40	60	R (Red) Y (Yellow)	Quotation
50	110	89.1	80.7	4.2	119		50	85		
70	140	101.6	93.2	4.2	132		70	90-100 110		
90	140	139.8	130.8	4.5	170		90	90-100 110		
100	140	165.2	155.2	5	195		100	90-100 110		
110	140	190.7	180.1	5.3	220		110	90-100 110		



EST-ESBT		D ₁	d	d ₁	t	Catalog No.		L	Color	Base unit price 1 ~ 9 pieces
D	L ₁					Type	No.			
40	80	60.5	52.9	9	3.8	PHN	40	60	R (Red) Y (Yellow)	Quotation
50	110	89.1	80.7		4.2		50	85		
70	110	101.6	93.2		4.2		70	85		
70	140	101.6	93.2	13	4.2		70	110		
70	140	101.6	93.2		4.2		7022	110		
90	140	139.8	130.8		4.5		90	110		
100	140	152.5	142.5		5		100	110		
110	140	190.7	180.1		5.3		110	110		



Order

Catalog No.

L

Color

PH 70

110

R



Price

Quotation



Days to Ship

Quotation

URETHANE STOCK BLOCKS / URETHANE ABSORBERS / URETHANE PADS

Urethane stock block



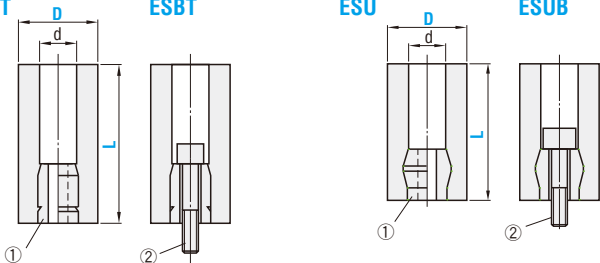
RoHS

EST

ESBT

ESU

ESUB



Shore A90

d	Urethane	①		②	Catalog No.		Base unit price 1 ~ 9 pieces	
		EST-ESBT	ESU-ESUB		Type	D—L	EST-ESU	ESBT-ESUB
14	E40—80	S14	SU14	CB8—45 (1 bolt)	EST ESBT * ESU * ESUB	* 40—80	Quotation	
	E50—110					50—110		
	E70—140					70—140		
22	E7022110	S22	SU22	CB12—55 (1 bolt)	* ESU * ESUB	* 7022110	Quotation	
	E7022140					* 7022140		
	E90—120					90—120		
	E90—140					* 90—140		
	E100—140					100—140		

For ESU and ESUB, only the sizes marked with * are available. Applicable urethanes P.1140

Order Catalog No.
EST 40—80

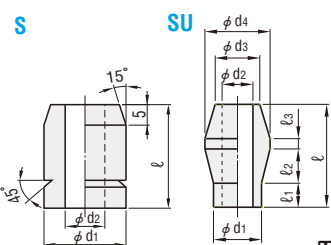
Days to Ship Quotation

Price Quotation

Sleeve unit

S

SU



SS400

d ₁	d ₂	d ₃	d ₄	ℓ	ℓ ₁	ℓ ₂	ℓ ₃	Urethane d	Catalog No.	Base unit price 1 ~ 19 pieces
16	9	—	—	30	—	—	—	14	S14	Quotation
24	13	—	—	35	—	—	—	22	S22	
24	13	—	—	100	—	—	—	22 (L170 or more)	S22—100	
14	9	13	19	30	7	10	3	14	SU14	
22	13	20	27					22	SU22	

Order Catalog No.
S 14

Price Quotation

Days to Ship Quotation

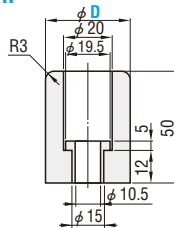
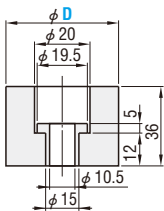
Urethane absorbers

Urethane pads



DUSA

DURP



Shore A90

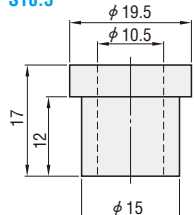
Catalog No.		Base unit price 1 ~ 9 pieces
Type	D	
DUSA	50	
	70	Quotation
DURP	40	
	50	

Order Catalog No.
DUSA 50

Price Quotation

Days to Ship Quotation

Sleeve S10.5



SS400

Catalog No.	Base unit price 1 ~ 19 pieces
S10.5	Quotation

Days to Ship Quotation

Price Quotation

Order Catalog No.
S10.5