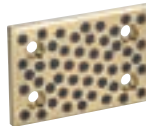
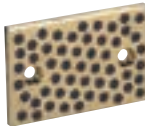


OIL-FREE SLIDE PLATES

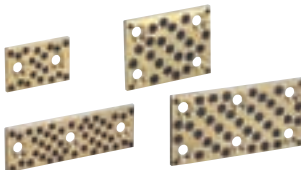
OIL-FREE SLIDE PLATES



Product name Catalog No.	OIL-FREE SLIDE PLATES —Cast 20 mm type, 2 bolt holes—	OIL-FREE SLIDE PLATES —Cast 20 mm type, 4 bolt holes—	OIL-FREE SLIDE PLATES —Copper alloy 20 mm type, 2 bolt holes—	OIL-FREE SLIDE PLATES —Copper alloy 20 mm type, 4 bolt holes—
Page	945	945	946	946



OIL-FREE SLIDE PLATES —Copper alloy 10mm type, 2 bolt holes—	OIL-FREE SLIDE PLATES —Copper alloy 10mm type, 4 bolt holes—	SHIMS FOR OIL-FREE SLIDE PLATES SMP	COMPACT OIL-FREE SLIDE PLATES —Copper alloy 10mm type—
947	947	948	949



OIL-FREE THIN SLIDE PLATES —Copper alloy 5mm type—
950

OIL-FREE SLIDE PLATES

—GUIDE—

■ Guide to oil-free slide plates

MISUMI oil-free components are produced by embedding a special solid lubricant at appropriate locations.

The metal base material supports the load while the embedded solid lubricant provides lubrication, resulting in superior oil-free durability even under harsh conditions.

■ Features

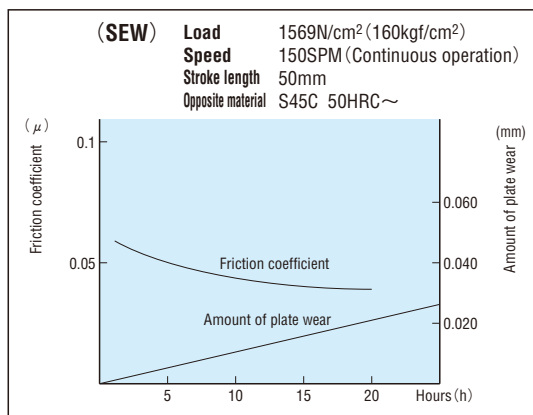
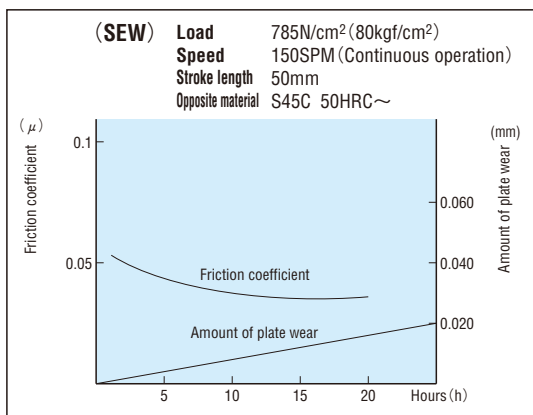
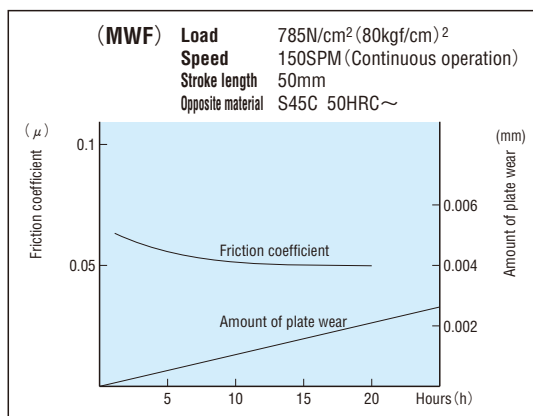
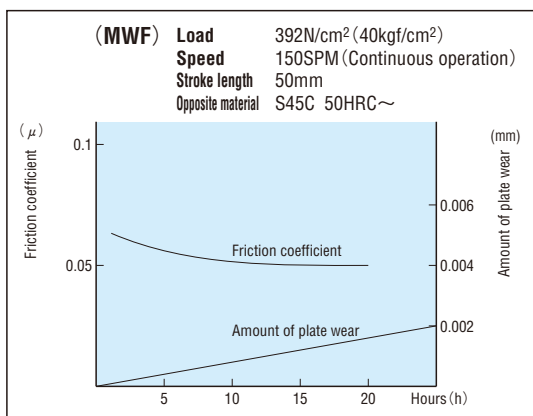
- ① These products are effective at locations which require a constant supply of lubricant, and at locations where forming an oil film is difficult due to reciprocating motion or to frequent starts and stops.
- ② Because these products are used under oil-free conditions, no lubrication equipment is needed. This shortens the assembly time and results in a cleaner environment by preventing oil pollution and other problems.
- ③ These products have excellent seizure resistance.

■ Physical properties

M	Catalog No.	Max. allowable load N/mm ²	Max. allowable sliding speed m/min.	Limit PV N/mm ² · m/min.	Specific gravity	Base material hardness (HB)	Tensile strength N/mm ²
FC250+Special solid lubricant	MWF·MWFT	8	15	50	7.1 ~ 7.3	<241	250
Copper alloy+Special solid lubricant	SEW·SEWT·STW·STWT·UTW	36 ~ 50	15 ~ 30	100	8.2	>210	765

● Load {kgf} = Load {N} × 0.101972

■ Wear test graph



OIL-FREE SLIDE PLATES

—CAST 20mm TYPE・2 BOLT HOLES / 4 BOLT HOLES—

—2 bolt holes—

RoHS

MWF W = 28 ~ 75

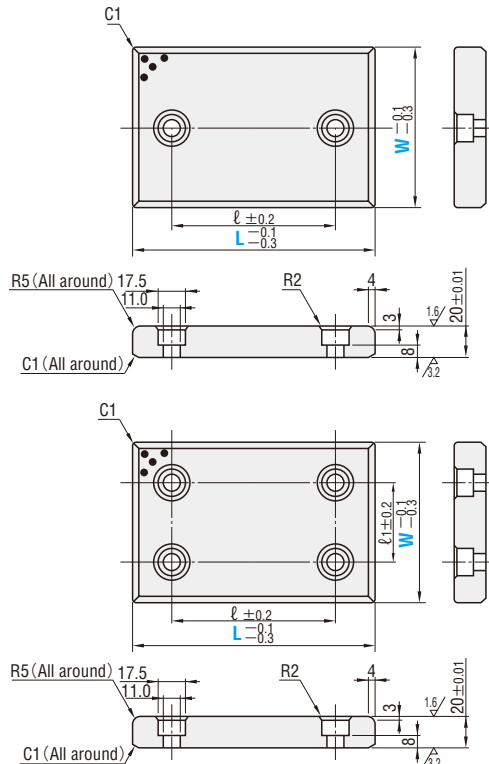
MWFT W = 100 ~ 150



—4 bolt holes—

RoHS

MWF W = 100 ~ 200



※For W=28 or 38,
the R in the longer direction is
R2.

•Slide direction
For W=28 or 38,
slide direction is the longer
direction (L) only.

•The use of initial break-in
greasing will make the product
more effective.

FC250

Special solid lubricant (embedded)

ℓ	Catalog No.	W	L	Base unit price 1~19 pieces
45	— 2 bolt holes — MWF	28	75	
50			100	
75			125	
100			150	
150			200	
45		38	75	
50			100	
75			125	
100			150	
150			200	
45		48	75	
50			100	
75			125	
100			150	
150			200	
45		58	75	
50			100	
100			150	
25	— 2 bolt holes — MWFT	75	75	
50			100	
75			125	
100			150	
150			200	
50		100	100	
75			125	
100			150	
150			200	
200			250	
75		125	125	
100			150	
150			200	
200			250	
100		150	150	
150			200	
200			250	
200			300	

Quotation

ℓ	ℓ ₁	Catalog No.	W	L	Base unit price 1~19 pieces
50	50	— 4 bolt holes MWF	100	100	
75				125	
100				150	
150				200	
200				250	
75	50		125	125	
100				150	
150				200	
200				250	
100				100	150
150	200				
200	250				
250	300				
150	150		200		
200				250	
250				300	

Quotation



Order

Catalog No.

MWF

MWFT

W

75

125

L

100

200



Days to Ship

Quotation



Price

Quotation

■Shims for oil-free slide plates P.948

OIL-FREE SLIDE PLATES

—COPPER ALLOY 20mm TYPE・2 BOLT HOLES / 4 BOLT HOLES—

—2 bolt holes—

SEW W= 28 ~ 75

SEWT W=100 ~ 150

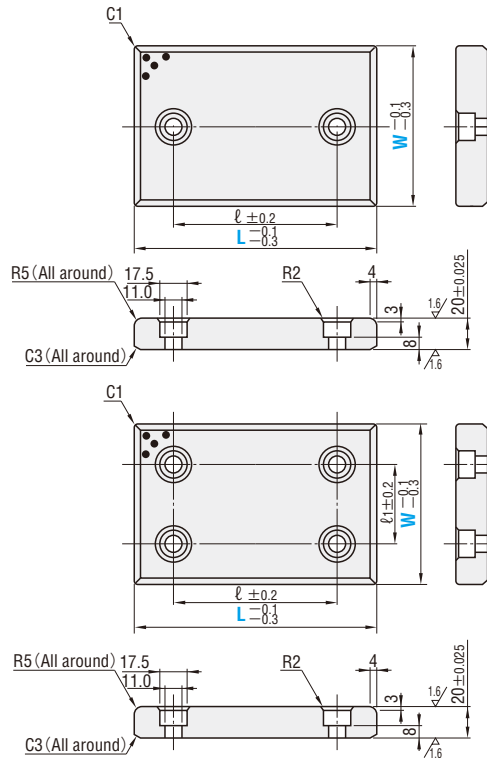
RoHS



—4 bolt holes—

SEW W=100 ~ 150

RoHS



※For W=28 or 38,
the R in the longer direction is
R2.

•Slide direction
For W=28 or 38,
slide direction is the longer
direction (L) only.

•The use of initial break-in
greasing will make the product
more effective.

Copper alloy
Special solid lubricant (embedded)

ℓ	Catalog No.	W	L	Base unit price 1~19 pieces
45	— 2 bolt holes SEW	28	75	
50			100	
100			150	
45		38	75	
50			100	
100			150	
45		48	75	
50			100	
75			125	
100			150	
150			200	
45		58	75	
50			100	
100			150	
25		75	75	
50	100			
75	125			
100	150			
150	200			
50	— 2 bolt holes SEWT	100	100	
75			125	
100			150	
150			200	
200			250	
200		125	300	
75			125	
100			150	
150			200	
200			250	
200		150	300	
200			350	
100			150	
150			200	
200			250	

Quotation

Quotation

ℓ	ℓ ₁	Catalog No.	W	L	Base unit price 1~19 pieces
50	50	— 4 bolt holes SEW	100	100	
75				125	
100				150	
150				200	
200				250	
200				300	
75	50		125	125	
100				150	
150				200	
200				250	
200				300	
200				350	
100	100		150	150	
150				200	
200		250			

Quotation

Quotation



Order

Catalog No.

SEW
SEWT

W

75
150

L

125
200



Days to Ship

Quotation



Price

Quotation

■Shims for oil-free slide plates P.948

OIL-FREE SLIDE PLATES

— COPPER ALLOY 10mm TYPE-2 BOLT HOLES / 4 BOLT HOLES —

— 2 bolt holes —

RoHS

STW W= 28~ 75

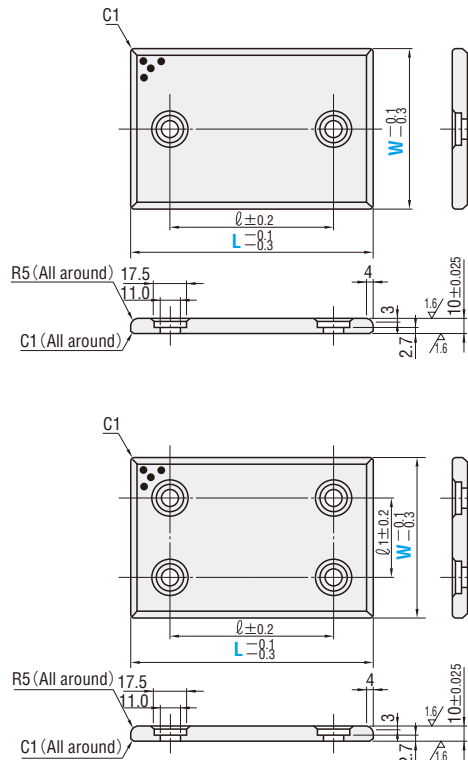
STWT W=100~150



— 4 bolt holes —

RoHS

STW W=100~150

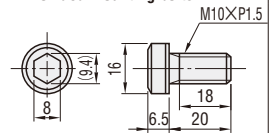


※ For W=28 or 38, the R in the longer direction is R2.

• Slide direction
For W=28 or 38, slide direction is the longer direction (L) only.

• The use of initial break-in greasing will make the product more effective.

• Provided mounting bolts



■ Copper alloy
Special solid lubricant (embedded)
▲ Special low head bolts

ℓ	Catalog No.	W	L	Base unit price 1~19 pieces
45	— 2 bolt holes — STW	28	75	
50			100	
75			125	
100			150	
45		38	75	
50			100	
75			125	
100			150	
45		48	75	
50			100	
75			125	
100			150	
150			200	
45		58	75	
50			100	
100			150	
150			200	
25		75	75	
50			100	
75			125	
100			150	
150			200	
50	— 2 bolt holes — STWT	100	100	
75			125	
100			150	
150			200	
100		125	150	
150			200	
200			250	
100		150	150	
150			200	

Quotation

ℓ	ℓ ₁	Catalog No.	W	L	Base unit price 1~19 pieces
50	50	— 4 bolt holes — STW	100	100	Quotation
75				125	
100				150	
150				200	
200				250	
100	50		125	150	
150				200	
200				250	
100				100	
150	200				

Quotation



Order

Catalog No.

W

L

STW

75

100

STWT

100

200



Days to Ship

Quotation



Price

Quotation

■ Shims for oil-free slide plates P.948

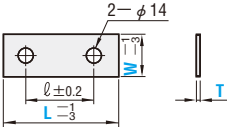
SHIMS FOR OIL-FREE SLIDE PLATES



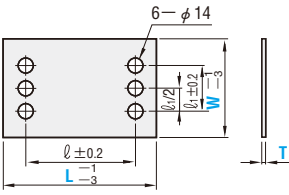
RoHS

SMP

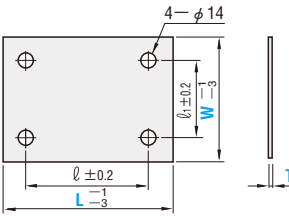
W=28~75
(For 2 holes)



W=100~150
(For both 2 holes and 4 holes)



W=200
(For 4 holes)



T	T ₁
0.05	±0.01
0.1	±0.02

M SUS304

ℓ	ℓ ₁	Catalog No.	W	L	T	Base unit price 1~19 pieces
45	—	SMP	28	75	0.05	
50				100		
75				125		
100				150		
150				200		
45			38	75		
50				100		
75				125		
100				150		
150				200		
45			48	75	0.1	
50				100		
75				125		
100				150		
150				200		
45			58	75		
50				100		
100				150		
25				75		
50			75	100		
75				125		
100				150		
150				200		

ℓ	ℓ ₁	Catalog No.	W	L	T	Base unit price 1~19 pieces	
50	50	SMP	100	100	0.05		
75				125			
100				150			
150				200			
200				250			
200	50		125	125			
75				150			
100				200			
150				250			
200				300			
200	100		150	150	0.1		
75				200			
100				250			
150				300			
200				350			
200	150		200	200			
250				250			
150				300			
200				200			
250				250			

Order

Catalog No.

SMP

W

75

—

L

100

—

T

0.1

Days to Ship

Quotation

Price

Quotation

■ Applicable oil-free slide plates

- MWF・MWFT P.945
- SEW・SEWT P.946
- STW・STWT P.947

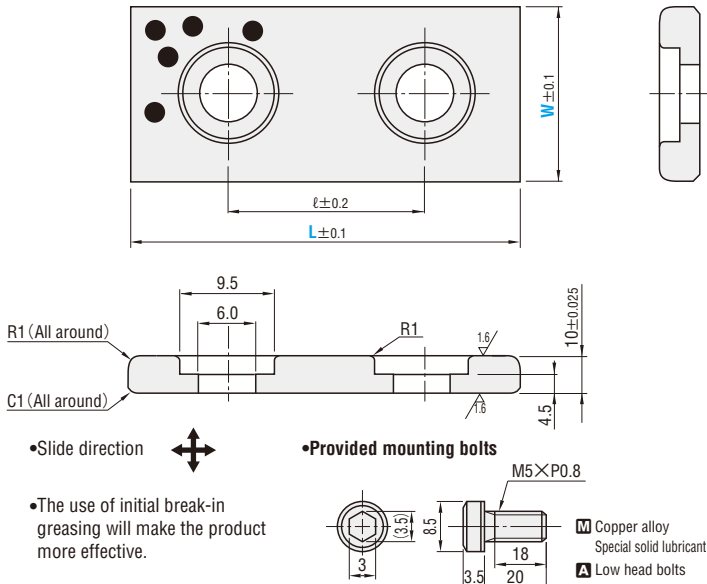
948

COMPACT OIL-FREE SLIDE PLATES

—COPPER ALLOY 10mm TYPE—



RoHS **STS**



$\ell \pm 0.2$
 $L \pm 0.1$
 $W \pm 0.1$
 10 ± 0.025
 9.5
 6.0
 $R1$ (All around)
 $C1$ (All around)
 1.6
 1.6
 4.5
 8.5
 3
 3.5
 18
 20
 $M5 \times P0.8$

- Slide direction 
- The use of initial break-in greasing will make the product more effective.
- Provided mounting bolts

M Copper alloy
Special solid lubricant (embedded)
A Low head bolts
CBSS—20

ℓ	Catalog No.	W	L	Base unit price
				1~19 pieces
14	STS	15	30	
20			40	
30			50	
50			75	
14		18	30	
20			40	
30			50	Quotation
50			75	
14		22	30	
20			40	
30			50	
50			75	



Order

Catalog No.

STS

W

18

L

50



Price

Quotation



Days to Ship

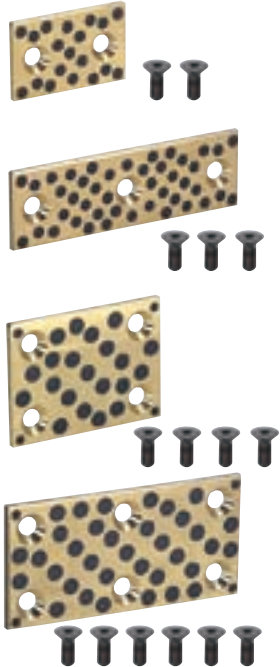
Quotation

OIL-FREE THIN SLIDE PLATES

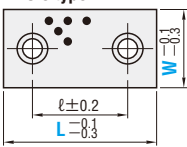
—COPPER ALLOY 5mm TYPE—



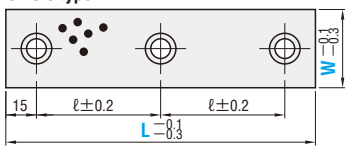




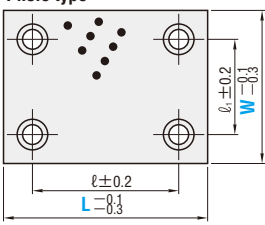
2 hole type



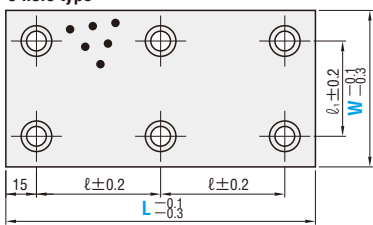
3 hole type



4 hole type



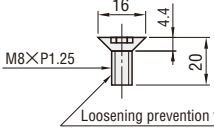
6 hole type



Slide direction



•Provided mounting bolts



Loosening prevention treatment

M Copper alloy
Special solid lubricant (embedded)
A Special hexagon socket head cap screws

⚠ (About loosening prevention treatment)
A special resin with superior elasticity, wear resistance, and oil resistance is applied to the thread grooves. The effectiveness of the treatment is greatest at the initial use. In the case of repeated use, the effectiveness gradually diminishes beginning from the fourth use.

Mounting hole type	ℓ	ℓ ₁	Catalog No.	W	L	Base unit price
						1~19 pieces
2 holes	20	—	UTW	28	50	Quotation
	45				75	
	70				100	
3 holes	60	—		38	150	
2 holes	20				50	
	45				75	
	70	100				
3 holes	60	—		48	150	
2 holes	45				75	
	70				100	
	95	125				
3 holes	60	—		75	150	
4 holes	45				75	
	70				100	
	95	125				
6 holes	60	45		100	150	
4 holes	70				100	
	95				125	
6 holes	60	70		100	150	
4 holes	70		100			
	95		125			
6 holes	60	70	100	150		



Order

Catalog No.

UTW

W

75

—

L

100



Price

Quotation



Days to Ship

Quotation

