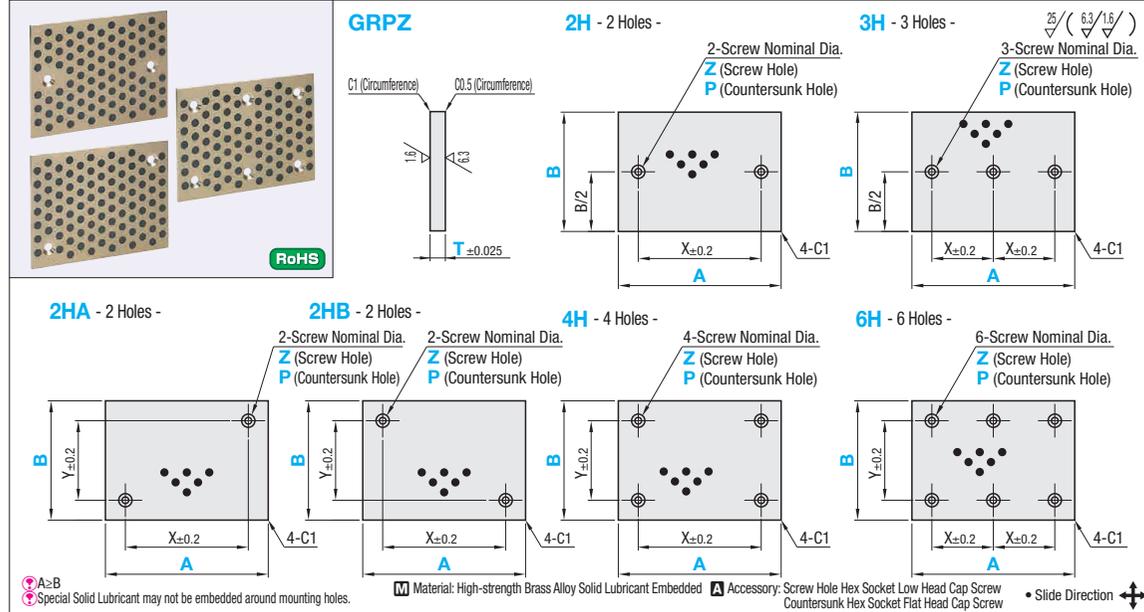


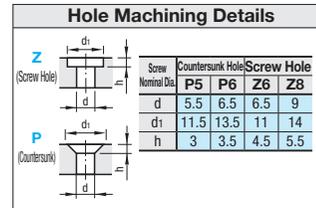
Oil Free Slide Plates

Copper Alloy Configurable Type

Features: Dimensions are configurable by 1mm unit. Best suitable for slide portion with 5mm plate thickness and small space.
 For material characteristic values, refer to P.380. Initial greasing is recommended for effective use.



Part Number	1mm Increment		T Selection	Screw Nominal Dia.		X	Y
	Type	Nominal		A	B		
GRPZ	2H	-	5	P5	P6 Z6	30	-
						40	
						60	
						80	
						100	
						100	
	3H	-	10	P6	P6 Z8	65x2	-
						80x2	
						100	
						100	
						100	
						100	
2HA 2HB	-	5	P5	P6 Z6	30(B≤80)	-	
					40		
					60		
					80		
					100		
					100		
4H	-	5	P5	P6 Z6	30(B≤80)	-	
					60(B≤100)		
					80(B≤120)		
					100		
					100		
					100		
6H	-	10	P6	P6 Z8	65x2	-	
					80x2		
					100		
					100		
					100		
					100		



Z specification of Z (screw holes) is the same as that of Hex Socket Head Cap Screw on P.194.

Screw Nominal Dia.	Mxℓ		
	P5	P6, Z 6	Z8
T=5	M5x16	M6x16	-
T=10	-	M6x20	M8x20

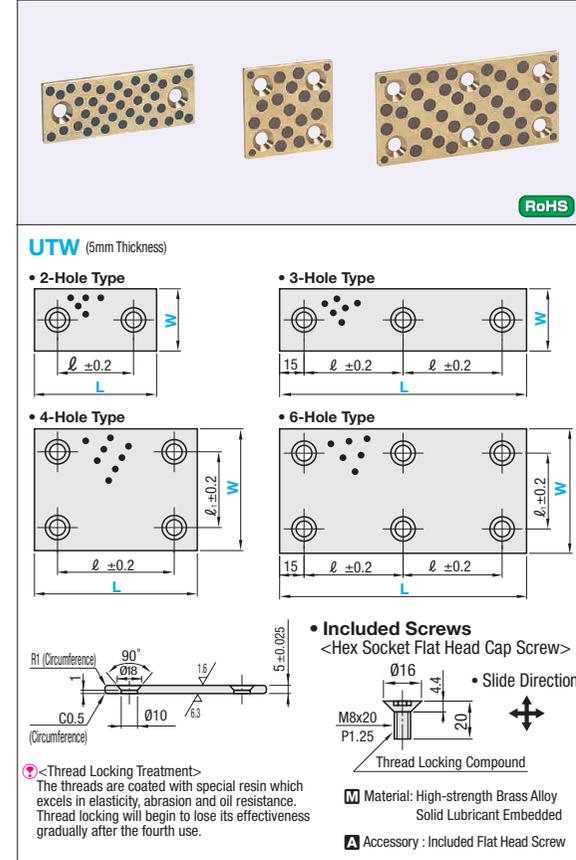
Part Number	Type	Nominal	T	A	Unit Price				
					28~40	41~60	61~80	81~100	101~120
GRPZ	2H	-	5	50~60	-	-	-	-	-
				61~80	-	-	-	-	-
				81~100	-	-	-	-	-
				101~120	-	-	-	-	-
				121~140	-	-	-	-	-
				141~160	-	-	-	-	-
	3H	-	10	61~80	-	-	-	-	-
				81~100	-	-	-	-	-
				101~120	-	-	-	-	-
				121~140	-	-	-	-	-
				141~160	-	-	-	-	-
				161~180	-	-	-	-	-
4H	-	5	61~80	-	-	-	-	-	
			81~100	-	-	-	-	-	
			101~120	-	-	-	-	-	
			121~140	-	-	-	-	-	
			141~160	-	-	-	-	-	
			161~180	-	-	-	-	-	
6H	-	10	61~80	-	-	-	-	-	
			81~100	-	-	-	-	-	
			101~120	-	-	-	-	-	
			121~140	-	-	-	-	-	
			141~160	-	-	-	-	-	
			161~180	-	-	-	-	-	

Ordering Example: Part Number - A - B - T - Screw Nominal Dia.
 GRPZ4H - 150 - 100 - 10 - Z6

Oil Free Slide Plates

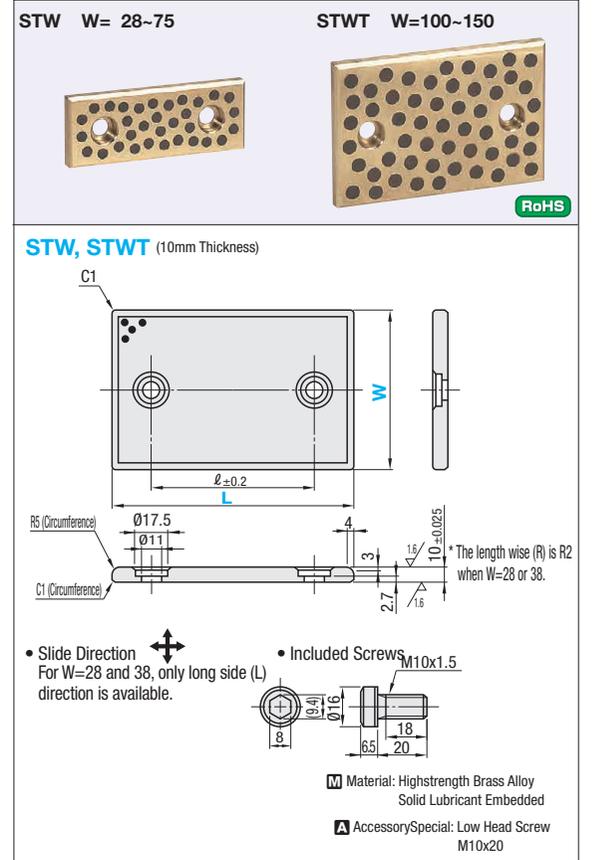
Copper Alloy

Features: With thread locking treatment screw to prevent falling-off due to looseness (UTW type only). For material characteristic values, refer to P.380. Initial greasing is recommended for effective use.



Part Number	W	L	Mounting Hole Type	ℓ	ℓ ₁	Unit Price
UTW	28	-	2 Holes	20	-	
				45		
				70		
			3 Holes	60		
				70		
				70		
	38	-	2 Holes	20	-	
				45		
				70		
			3 Holes	60		
				70		
				70		
48	-	2 Holes	20	45		
			45			
			70			
		3 Holes	60			
			70			
			70			
75	-	4 Holes	45	70		
			70			
			95			
		6 Holes	60			
			60			
			60			
100	-	4 Holes	45	70		
			70			
			95			
		6 Holes	60			
			60			
			60			

Ordering Example: Part Number W - L
 UTW 75 - 100



Part Number	W	L	ℓ	Unit Price	
STW	28	-	45		
			50		
			75		
			75		
			100		
			100		
	38	-	2 Holes	45	-
				50	
				75	
			3 Holes	60	
				70	
				70	
48	-	2 Holes	45	-	
			50		
			75		
		3 Holes	60		
			70		
			70		
75	-	4 Holes	45	-	
			70		
			95		
		6 Holes	60		
			60		
			60		
STWT	100	-	45		
			50		
			75		
			75		
			100		
			100		
	125	-	2 Holes	45	-
				50	
				75	
			3 Holes	60	
				70	
				70	
150	-	4 Holes	45	-	
			70		
			95		
		6 Holes	60		
			60		
			60		

Oil Free Slide Plates

Multi-Layer Plastic, Configurable

■ **Features:** Suitable for space saving since the plate is thin.
 ☉ For material characteristic values, refer to **P.380**.

Standard Type
GRFZ

With Machined Hole Type
2H - 2 Holes -
4H - 4 Holes -
6H - 6 Holes -

2-Screw Nominal Dia. N (Through Hole) P (Countersunk Hole)
4-Screw Nominal Dia. N (Through Hole) P (Countersunk Hole)
6-Screw Nominal Dia. N (Through Hole) P (Countersunk Hole)

Material : Multi-Layer Plastic (Filler Added Polytetrafluoroethylene Layer / Sintered Bronze Layer / Back Metal Layer)

■ **Standard Type**

Part Number	1mm Increment	T	
Type	A	B	Selection
GRFZ	40~500	40~80	1
	40~500	40~100	2.5

■ **With Machined Hole Type**

Part Number	1mm Increment	T	1mm Increment	Screw Nominal Dia.	Hole Machining Details			
Type	Nominal	A	B	Selection	X	Y	N (Through)	P (Countersunk)
GRFZ	2H	40~500	40~80	1	9~491 (2H or 4H Type)	5~95 (2H Type)	3 4 5 6 8	-
	4H	40~500	40~100	2.5	9~245 (6H Type)	9~90 (4H or 6H Type)		
	6H	40~500	40~100	2.5				

☉ Dimension X Specification Range: For 2H or 4H type, it requires $d(d1)+5 \leq X \leq A-d(d1)-5$; for 6H type, $d(d1)+5 \leq X \leq A/2-d(d1)/2-2.5$.
 ☉ Dimension Y Specification Range: For 2H type, it requires $d(d1)/2+2.5 \leq Y \leq B-d(d1)/2-2.5$; for 4H or 6H type, $d(d1)+5 \leq Y \leq B-d(d1)-5$.
 (d for through hole, d1 for countersunk)

Ordering Example

■ **Standard Type**
Part Number - A - B - T
GRFZ - 150 - 50 - 1

■ **With Machined Hole Type**
Part Number - A - B - T - X - Y - Screw Nominal Dia.
GRFZ2H - 100 - 50 - 1 - X80 - Y25 - N5

■ **Standard Type Unit Price**

Part Number	T	A	Unit Price 1 ~ 4 pc(s).	
			B	61~80
GRFZ	1	40~100		
		101~200		
		201~300		
		301~400		
		401~500		

■ **Hole Machining Charge**

Part Number	T	A	Unit Price 1 ~ 4 pc(s).		
			B	61~80	81~100
GRFZ	2.5	40~100			
		101~200			
		201~300			
		301~400			
		401~500			

☉ For orders larger than indicated quantity, please check with WS.
 ☉ Price of Machined Hole Type = Standard Type Unit Price + Hole Machining Charge
 (Ex.) Part Number - A - B - T - X - Y - Screw Nominal Dia. (Standard Type Unit Price) + (Hole Machining Charge) = Machined Hole Type Unit Price
 GRFZ2H - 100 - 50 - 1 - X80 - Y25 - N5

Gibs

■ **Features:** Gibs having excellent abrasion resistance due to hardening treatment.

■ **Gibs**

SGRA
SGRB

Material : S45C Equivalent
Surface Treatment: Hardened Electroless Nickel Plating (Plating after Grinding)
Hardness: HV500 ~

Part Number	Type	B	A Selection		S Selection		W	T	X	Y	d1	d2	h	M	Unit Price	
			40	50	12	20									SGRA	SGRB
SGRA SGRB	40	40	40	50	12	20	16	20	7	28	9.5	5.5	5.5	4		
			50	60												
	50	50	40	50	15	20	20	30	10	36	11	6.5	6.5	5		
			60	80												
	60	60	40	50	15	20	30	30	10	46	11	6.5	6.5	5		
			80	100												
80	80	40	50	20	25	40	40	15	60	14	9	9	6			
		80	120													

■ **Features:** Gib Covers having excellent abrasion resistance due to hardening treatment.

■ **Gib Covers**

SGCB

Material : S45C Equivalent
Surface Treatment: Hardened Electroless Nickel Plating
Hardness: HV500 ~

Part Number	Type	B	A Selection		T Selection	X	Y	N	Unit Price		
			40	50					T5	T9	T12
SGCB	40	40	40	50	5	7	28	4.5			
			50	60							
	50	50	40	50	9	10	36	5.5			
			60	80							
	60	60	40	50	12	10	46	6.5			
			80	100							
80	80	40	50	12	15	60	6.5				
		80	120								

Ordering Example

Part Number - A - S
SGRA40 - 50 - 12

Part Number - A - T
SGCB40 - 50 - 5

Alterations

Alterations Code	Dimension S	Dowel Hole	Mounting Hole
SC	SC=1mm Increment Ordering Code SC 6	NC Machines 2 dowel holes. Ordering Code NC	ZC Changes mounting holes to counterbored holes. Ordering Code ZC

Spec.

B	d1	d2	h
40	8	4.5	4.5
50	9.5	5.5	5.5
60	9.5	5.5	5.5
80	11	6.5	6.5

☉ SC is not applicable to B=40.
 ☉ Not applicable to T=5.

Example

Combination of these app. examples can be selected on our website.
 Details about Selection Procedure P87
 e-Catalog Search Keyword #MA781 Search
 * Enter the search keyword in the search box on e-Catalog.
 The search result will be shown in "Modular Assembler" area.