

# 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)

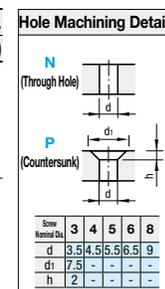
Material: Multi-Layer Plastic (Filler Added Polytetrafluoroethylene Layer / Sintered Bronze Layer / Back Metal Layer)

■ **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.		
			X	Y			
Type	Nominal	A	B	Selection	N (Through)	P (Countersunk)	
GRFZ	2H	40~500	40~80	1	9~491 (2H or 4H Type)	5~95 (2H Type)	3
	4H	40~500	40~100	2.5	9~245 (6H Type)	9~90 (4H or 6H Type)	4
	6H	40~500	40~100	2.5			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		

■ **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			

🔍 For orders larger than indicated quantity, please check with WS.  
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 📄 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**  
 4-d2 Counterbore d1 Depth h (From the Opposite Side)  
 2-R0.4 or less  
 4-C0.5 or less

**SGRB**  
 4-M Counterbore d1 Depth h  
 2-R0.4 or less  
 4-C0.5 or less

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										SGRA	SGRB
SGRA SGRB	40	40	40	50	12	16	20	7	28	9.5	5.5	5.5	4		
			60	80											
	50	50	50	60	15 20	20	30	10	36	11	6.5	6.5	5		
			80	100											
	60	60	60	80	15 20	30	30	10	46	11	6.5	6.5	5		
			100	80											
	80	80	80	100	20 25	40	40	15	60	14	9	9	6		
			120												

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

■ **Gib Covers**

**SGCB**  
 4-N  
 4-C0.5 or less

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			
			60	80							
	50	50	50	60	9	10	36	5.5			
			80	100							
	60	60	60	80	12	10	46	6.5			
			100	80							
	80	80	80	100		15	60	6.5			
			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.