

# OIL-FREE SLIDE PLATES

## OIL-FREE SLIDE PLATES



Product name  
Catalog No.

OIL-FREE SLIDE PLATES  
—CAST 20mm TYPE-2 BOLT HOLES—

OIL-FREE SLIDE PLATES  
—CAST 20mm TYPE-3 BOLT HOLES—

OIL-FREE SLIDE PLATES  
—CAST 20mm TYPE-4 BOLT HOLES—

OIL-FREE SLIDE PLATES  
—COPPER ALLOY 20mm TYPE-2 BOLT HOLES—

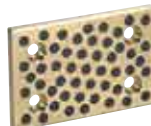
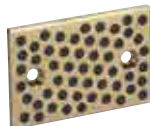
Page

1135

1135

1135

1136



OIL-FREE SLIDE PLATES  
—COPPER ALLOY 20mm TYPE-4 BOLT HOLES—

1136

OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm TYPE-2 BOLT HOLES—

1137

OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm TYPE-4 BOLT HOLES—

1137

OIL-FREE SLIDE PLATES  
—SINTERED ALLOY 20mm TYPE-2 BOLT HOLES—

1138



OIL-FREE SLIDE PLATES  
—SINTERED ALLOY 20mm TYPE-4 BOLT HOLES—

1138

OIL-FREE SLIDE PLATES  
—SINTERED ALLOY 10mm TYPE-2 BOLT HOLES—

1139

OIL-FREE SLIDE PLATES  
—SINTERED ALLOY 10mm TYPE-3 BOLT HOLES—

1139

OIL-FREE SLIDE PLATES  
—SINTERED ALLOY 10mm TYPE-4 BOLT HOLES—

1139



OIL-FREE SLIDE PLATES  
—STEEL 20mm TYPE-2 BOLT HOLES / 4 BOLT HOLES—

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OIL-FREE SLIDE PLATES  
—STEEL 10mm TYPE-2 BOLT HOLES—

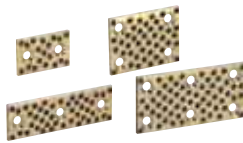
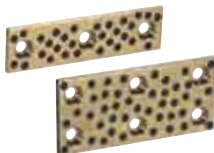
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SLIDE PLATES  
—STEEL 20mm TYPE-2 BOLT HOLES / 4 BOLT HOLES—

1141

SHIMS FOR OIL-FREE SLIDE PLATES  
SMP

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OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm TYPE—

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OIL-FREE THIN SLIDE PLATES  
—COPPER ALLOY 5mm TYPE—

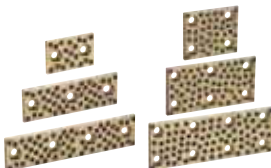
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OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm COMPACT TYPE—

1145

OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm COMPACT TYPE—

1145



OIL-FREE SLIDE PLATES  
—COPPER ALLOY 10mm HIGH SURFACE PRESSURE TYPE—

1146

OIL-FREE SLIDE PLATES  
—COPPER ALLOY L-SHAPE TYPE—

1147

OIL-FREE SLIDE PLATES  
—COPPER ALLOY BLANK TYPE—

1148

OIL-FREE SLIDE PLATES  
—SINTERED ALLOY BLANK TYPE—

1149

# 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. Sintered alloy is a special alloy with even distribution of solid lubricants and lubrication grease filled in pores. 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 most effective at locations where require a constant supply of lubricant, reciprocating motion or frequent start and stop occurs and oil film is difficult to form.
- 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.

#### < Precautions >

If the grinding surfaces are too rough, the excellent wear resistance will not guaranteed.  
Applying grease during the initial break-in can guarantee better performance.

### ■ Physical properties

Material	Catalog No.	Allowable load N/mm <sup>2</sup>	Allowable sliding speed m·min.	Limit PV N/mm <sup>2</sup> ·m/min.	Specific gravity	Base material hardness (HB)	Tensile strength N/mm <sup>2</sup>
FC250+Special solid lubricant	MWF-MWFT	5	10	30	7.1~7.3	<241	250
Copper alloy+Special solid lubricant	SEW-SEWT-STW-STWT-UTW	50	24	108	8.2	>210	600
Special sintered alloy (Baseplate material: SS400)	SEZ-STZ	25	30	98	—	>45	—

### ■ Material properties and applications

Material	Wear resistance	Seizure resistance	Allowable load	Impact resistance	Life time	Price	Application
FC250+Special solid lubricant	○	△	△	○	○	◎	Applicable to low load conditions. Seizure occurs under high load conditions.
Copper alloy+Special solid lubricant	△	◎	◎	○	△	△	Applicable to high load conditions. For general purpose.
Special sintered alloy (Baseplate material: SS400)	◎	◎	◎	△	◎	○	Applicable to high load conditions, with excellent wear resistance and relatively weak impact resistance.

◎: Excellent ○: General △: Slightly weak