

Heat Insulating Plates

High Temperature Insulating Grade

| Type | Tolerance Selection | Dim. Tolerance of A and B | Color | Operating Ambient Temperature |
|------|---------------------|---------------------------|-------|-------------------------------|
| HRMB | Not Specified | +1.0 0 | White | Room Temp. ~ 1000°C |
| | P | ±0.3 | | |

RoHS 10 Properties and Machining Conditions P:1675

Standard **With Holes**

2 Holes **2H** 4 Holes **4H** 6 Holes **6H**

2-Bolt Nominal Dia. Selection
N (Through Hole)
Z (Counterbore Hole)

4-Bolt Nominal Dia. Selection
N (Through Hole)
Z (Counterbore Hole)

6-Bolt Nominal Dia. Selection
N (Through Hole)
Z (Counterbore Hole)

A ≥ B

| Standard | | | | |
|-------------|---------------------|---------------|--------|--------------|
| Part Number | Tolerance Selection | 1mm Increment | | Selection |
| Type | | A | B | T |
| HRMB | Not Specified | 20~800 | 20~600 | 12.7 |
| | P | | | 19.1 25.4 |

| Hole Machining Detail | |
|-----------------------|----------------------|
| N (Through Hole) | Z (Counterbore Hole) |
| | |
| | |
| Bolt Nominal Dia. | 3 4 5 6 8 10 |
| d | 3.5 4.5 5.5 6.5 9 11 |
| d1 | - 8 9.5 11 14 - |
| h | - 5 6 7 9 - |

| With Holes | | | | | | | | | | | | | | | | |
|------------|-------------------|--------------------------|-----------------|---------------|--------|-----------|------------------------|---------------|----------------------------------|------------------------|---------------|---|---|---|---|---|
| Type | Part Number | Tolerance Selection | Number of Holes | 1mm Increment | | Selection | 0.5mm Increment | | Bolt Hole Nominal Dia. Selection | | | | | | | |
| | | | | A | B | T | F | G | Through Hole | Counterbore Hole | | | | | | |
| | | | | | | | | | N | Z | | | | | | |
| HRMB | Not Specified | P | 2H 4H 6H | 20~800 | 20~600 | 12.7 | 9~791 (2H, 4H Type) | 5~595 (2H) | 3 | 4 | 5 | 6 | | | | |
| | | | | | | 19.1 | | | | 4 | 5 | 6 | 8 | | | |
| | | | | | | 25.4 | | | | 4 | 5 | 6 | 8 | | | |
| | | | | | | 12.7 | | | | 9~191 (2H, 4H Type) | 5~195 (2H) | 4 | 5 | 6 | 8 | |
| | | | | | | 19.1 | | | | | | | 4 | 5 | 6 | 8 |
| | | | | | | 25.4 | | | | | | | 4 | 5 | 6 | 8 |
| 12.7 | 9~95 (6H Type) | 5~191 (Other than 2H) | 10 | 4 | 5 | 6 | 8 | | | | | | | | | |
| 19.1 | | | | 4 | 5 | 6 | 8 | | | | | | | | | |
| 25.4 | | | | 4 | 5 | 6 | 8 | | | | | | | | | |

F Dimension Range: For 2H and 4H, $d(d_1)+5 \leq F \leq A-d(d_1)-5$; for 6H, $d(d_1)+5 \leq F \leq A/2-d(d_1)/2-2.5$.
 G Dimension Range: For 2H, $d(d_1)/2+2.5 \leq G \leq B-d(d_1)/2-2.5$; for 4H and 6H, $d(d_1)+5 \leq G \leq B-d(d_1)-5$.
 (d is for Through Hole. d1 is for Counterbore.)
 For Hole type, select from N (through hole), Z (Counterbore).

Ordering Example

Standard

Part Number - A - B - T

HRMB - 300 - 222 - 12.7

HRMBP - 200 - 100 - 19.1

With Holes

Part Number - A - B - T - F - G - Bolt Nominal Dia.

HRMB2H - 200 - 170 - 12.7 - F100 - G70 - N8

HRMBP4H - 200 - 150 - 12.7 - F150 - G120 - Z5

Standard Type Unit Price (HRMB) Same price for HRMBP.

| Part Number | T | A | Unit Price HRMB, HRMBP Qty. 1 ~ 50 | | | | | | | | | | | | | | | | |
|---------------|------|---------------|------------------------------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|---|---|---|---|
| | | | 20 50 | 51 100 | 101 150 | 151 200 | 201 250 | 251 300 | 301 350 | 351 400 | 401 450 | 451 500 | 501 550 | 551 600 | | | | | |
| HRMB HRMBP | 12.7 | 20~50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| | | 51~100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 101~150 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 151~200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 201~250 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 251~300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 301~350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 351~400 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 401~450 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 451~500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 501~550 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 551~600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 601~650 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 651~700 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 701~750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 751~800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | HRMB HRMBP | 19.1 | 20~50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | 51~100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 101~150 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 151~200 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 201~250 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 251~300 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 301~350 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 351~400 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 401~450 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 451~500 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 501~550 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 551~600 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 601~650 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 651~700 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 701~750 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 751~800 | - | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| HRMB HRMBP | 25.4 | | | 20~50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | 51~100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | 101~150 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 151~200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 201~250 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 251~300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 301~350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 351~400 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 401~450 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 451~500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 501~550 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 551~600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 601~650 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 651~700 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 701~750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | 751~800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

| Hole Machining Charge | |
|-----------------------|---------------------------------------|
| With Holes | Unit Price |
| | Bolt Nominal |
| 2H | N (Through Hole) Z (Counterbore Hole) |
| 4H | |
| 6H | |

The price of Hole Type is Standard Type Unit Price plus Hole Machining Charge.
 (Ex.) Part Number - A - B - T - F - G - Bolt Nominal Dia.
 HRMB4H - 300 - 200 - 12.7 - F240 - G160 - Z6
 (Standard Type Unit Price) + (Hole Machining Charge) = Hole Machined Type Unit Price

Alterations Part Number - A - B - T - F - G - Bolt Nominal Dia. - (XC, YC)
 HRMBP4H - 100 - 100 - 19.1 - F40 - G50 - N6 - XC30-YC20

| Alterations | Hole Position from Left | Hole Position from Bottom |
|-------------|--|--|
| | | |
| Code | XC | YC |
| Spec. | XC=1 mm Increment 5 ≤ XC ≤ 786 (2H, 4H Type) $d(d_1)/2+2.5 \leq XC \leq A-F-d(d_1)/2-2.5$ (6H Type) $d(d_1)/2+2.5 \leq XC \leq A-2F-d(d_1)/2-2.5$ | YC=1mm Increment 5 ≤ YC ≤ 586 $d(d_1)/2+2.5 \leq YC \leq B-G-d(d_1)/2-2.5$ Not applicable to 2H Type. |