

COPPER・BRASS FREE PLATES

銅・真鍮フリープレート

—タフピッチ銅・無酸素銅・クローム銅・真鍮板—



材料屋24でミスミ型番・出荷日・価格を一発表示!

■タフピッチ銅の特長
一般に最も広く使用される銅で、電気・熱伝導性に優れています。

■無酸素銅の特長
市販される銅の中で最高純度品。酸素を含まず、高温に加熱した際にもろくなる現象(水素ぜい化)を起こしません。

■クローム銅の特長
機械的強度に優れ、高温時の耐摩耗性に優れています。

■真鍮板の特長
強度が高く展延性に優れています。

| 型式 | 材質 |
|------|-----------------------------|
| CTAP | タフピッチ銅 JIS H3100 C1100P-1/4 |
| CJAP | 無酸素銅 JIS H3100 C1020P-1/2 |
| CCSP | クローム銅 JIS Z3234 2級 |
| C28P | 真鍮板 JIS H3100 C2801P-1/4 |

(圧延) C□□PL (フリス加工) C□□PF

基準面 A ≥ B

| 型式 | 板厚面仕上 | 指定0.1mm単位 | | T 選択・指定 |
|---------------|-----------|-----------|-------|-------------------------|
| | | A | B | |
| CTAP (タフピッチ銅) | ※L (圧延) | 6~300 | 6~300 | 5・6・8・10・12・15・20・25・30 |
| CJAP (無酸素銅) | F (フリス加工) | 16~300 | 6~300 | 3~30 (指定0.1mm単位) |
| CCSP (クローム銅) | | | | |
| C28P (真鍮板) | | | | |

※CCSP(クローム銅)のL(圧延)はT15以上は黒皮鍛造品となります。
◎サイズは加工不可領域があります。詳しくは価格表でご確認ください。

■精度基準 (最大値)

| 項目 | 板厚面仕上 | |
|---------------|--------------------|----------|
| | L(圧延) | F(フリス加工) |
| 平行度(100mmに対し) | — | 0.02以下 |
| 平面度(100mmに対し) | 2mm (1000mmに対し) | 0.02以下 |
| 直角度(100mmに対し) | 0.02以下 | |
| 全周面取り | C0.1程度の糸面取り | |

■板厚公差

| 板厚面仕上 | T | | | | | |
|----------|-------|-------|-------|-------|-------|-------|
| | 5 | 6・8 | 10・12 | 15・20 | 25 | 30 |
| L(圧延) | ±0.18 | ±0.23 | ±0.28 | ±0.35 | ±0.55 | ±0.66 |
| F(フリス加工) | ±0.05 | | | | | |

Order 注文例

型式: C28P Type 板厚面仕上: F A: 255.3 B: 221.1 T: 18.9

Delivery 出荷日: 3 日目出荷
◎21個以上は納期が変わる可能性があります。

Alteration 追加加工

型式: C28PF A: 255.3 B: 221.1 T: 18.9 - CKT

| Alterations | 寸法公差変更(縮小) | コーナークット |
|-------------|---|--|
| | Code | CKA・CKB・CKT |
| Spec. | 寸法公差を下記に変更することができます。 ±0.05→±0.025 指定方法 A(長さ)のとき CKA B(幅)のとき CKB T(板厚)のとき CKT ◎フリス加工のみ適用 | 任意のコーナーをカットすることができます。 1≦コーナーカット≦25 1mm単位指定 指定方法 (例)AとDのコーナーをC5でカットする場合 … CCA5—CCD5 |
| ¥/1Code | Spec.参照 | 500/1コーナー |

Price 価格 WOSにてご確認ください。

■CTAPL (タフピッチ銅 側面フリス+板厚面圧延)

| A | B | T | 5 | 6 | 8 | 10 | 12 | 15 | 20 | 25 | 30 | |
|-------------|-------------|-------------|---|---|---|----|----|----|----|----|----|--|
| 6 ~ 50 | | | | | | | | | | | | |
| 50.1 ~ 100 | 6 ~ 10 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 10.1 ~ 50 | 10.1 ~ 15 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 15.1 ~ 50 | 15.1 ~ 20 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 20.1 ~ 100 | 20.1 ~ 30 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 40.1 ~ 100 | 40.1 ~ 60 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 60.1 ~ 100 | 60.1 ~ 80 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 80.1 ~ 150 | 80.1 ~ 100 | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 100.1 ~ 150 | | 100.1 ~ 146 | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 146.1 ~ 250 | 146.1 ~ 200 | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 200.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |

Web 金額はWOSにてご確認ください。

■CJAPL (無酸素銅 側面フリス+板厚面圧延)

| A | B | T | 5 | 6 | 8 | 10 | 12 | 15 | 20 | 25 | 30 | |
|-------------|-------------|-------------|---|---|---|----|----|----|----|----|----|--|
| 6 ~ 50 | | | | | | | | | | | | |
| 50.1 ~ 100 | 6 ~ 10 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 10.1 ~ 50 | 10.1 ~ 15 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 15.1 ~ 50 | 15.1 ~ 20 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 20.1 ~ 100 | 20.1 ~ 30 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 40.1 ~ 100 | 40.1 ~ 60 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 60.1 ~ 100 | 60.1 ~ 80 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 80.1 ~ 150 | 80.1 ~ 100 | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 100.1 ~ 150 | | 100.1 ~ 146 | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 146.1 ~ 250 | 146.1 ~ 200 | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 200.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |

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■CTAPF (タフピッチ銅 6面フリス)

| A | B | T | 3~3.9 | 4~4.9 | 5~5.9 | 6~7.9 | 8~9.9 | 10~14.9 | 15~19.9 | 20~24.9 | 25~30 | |
|-------------|-------------|-------------|-------|-------|-------|-------|-------|---------|---------|---------|-------|--|
| 16 ~ 50 | | | | | | | | | | | | |
| 50.1 ~ 100 | 6 ~ 10 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 10.1 ~ 50 | 10.1 ~ 15 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 15.1 ~ 50 | 15.1 ~ 20 | | | | | | | | | | | |
| 50.1 ~ 100 | | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 20.1 ~ 100 | 20.1 ~ 25 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 40.1 ~ 100 | 40.1 ~ 60 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 60.1 ~ 100 | 60.1 ~ 80 | | | | | | | | | | | |
| 100.1 ~ 150 | | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 80.1 ~ 150 | 80.1 ~ 100 | | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 100.1 ~ 150 | | 100.1 ~ 146 | | | | | | | | | | |
| 150.1 ~ 200 | | | | | | | | | | | | |
| 200.1 ~ 250 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 146.1 ~ 250 | 146.1 ~ 200 | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 200.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |
| 250.1 ~ 300 | | | | | | | | | | | | |

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