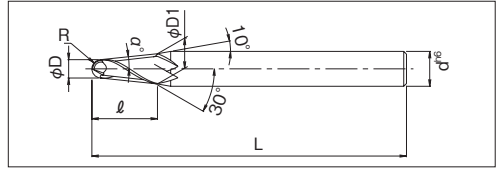


テーパボールエンドミル

2-Flute Taper Ball End Mill

ATBES-2



■ 最大テーパ角15° まで標準化した小径テーパボールエンドミルです。

Micro Taper Ball End Mill with largest taper angle to 15°

| | | |
|------------|----------------------|--------------------|
| | 外径公差 φD Tolerance | R公差 R Tolerance |
| RO.05~0.45 | +0/-0.015 | +0/-0.005 |
| RO.5~0.95 | +0/-0.025 | +0/-0.01 |
| R1~1.5 | +0/-0.035 | +0/-0.015 |



単位 Unit : mm

| 型番 CODE NUMBER | R | 刃長 ℓ | 片角 α° | 大端径 φ | 全長 L | シャンク φd | 定価 ¥ |
|-------------------|------|---------|----------|----------|---------|------------|---------|
| ATBES-20101 | 0.05 | 0.5 | 30° | 0.11 | 35 | 3 | 33,300 |
| ATBES-20102 | 0.05 | 0.5 | 1° | 0.12 | 35 | 3 | 33,300 |
| ATBES-20103 | 0.05 | 0.5 | 1°30′ | 0.12 | 35 | 3 | 33,300 |
| ATBES-20104 | 0.05 | 0.5 | 2° | 0.13 | 35 | 3 | 33,300 |
| ATBES-20105 | 0.05 | 0.5 | 2°30′ | 0.14 | 35 | 3 | 33,300 |
| ATBES-20106 | 0.05 | 0.5 | 3° | 0.15 | 35 | 3 | 33,300 |
| ATBES-20107 | 0.05 | 0.5 | 4° | 0.16 | 35 | 3 | 33,300 |
| ATBES-20108 | 0.05 | 0.5 | 5° | 0.18 | 35 | 3 | 34,800 |
| ATBES-20109 | 0.05 | 0.5 | 7° | 0.21 | 35 | 3 | 34,800 |
| ATBES-20110 | 0.05 | 0.5 | 10° | 0.26 | 35 | 3 | 36,700 |
| ATBES-20111 | 0.05 | 0.5 | 15° | 0.34 | 35 | 3 | 42,200 |
| ATBES-20201 | 0.1 | 1 | 30° | 0.22 | 35 | 3 | 33,300 |
| ATBES-20202 | 0.1 | 1 | 1° | 0.23 | 35 | 3 | 33,300 |
| ATBES-20203 | 0.1 | 1 | 1°30′ | 0.25 | 35 | 3 | 33,300 |
| ATBES-20204 | 0.1 | 1 | 2° | 0.26 | 35 | 3 | 33,300 |
| ATBES-20205 | 0.1 | 1 | 2°30′ | 0.28 | 35 | 3 | 33,300 |
| ATBES-20206 | 0.1 | 1 | 3° | 0.29 | 35 | 3 | 33,300 |
| ATBES-20207 | 0.1 | 1 | 4° | 0.33 | 35 | 3 | 33,300 |
| ATBES-20208 | 0.1 | 1 | 5° | 0.36 | 35 | 3 | 34,200 |
| ATBES-20209 | 0.1 | 1 | 7° | 0.42 | 35 | 3 | 34,200 |
| ATBES-20210 | 0.1 | 1 | 10° | 0.52 | 35 | 3 | 35,800 |
| ATBES-20211 | 0.1 | 1 | 15° | 0.69 | 35 | 3 | 38,300 |
| ATBES-20301 | 0.15 | 1.5 | 30° | 0.32 | 35 | 3 | 21,700 |
| ATBES-20302 | 0.15 | 1.5 | 1° | 0.35 | 35 | 3 | 21,700 |
| ATBES-20303 | 0.15 | 1.5 | 1°30′ | 0.37 | 35 | 3 | 21,700 |
| ATBES-20304 | 0.15 | 1.5 | 2° | 0.39 | 35 | 3 | 21,700 |
| ATBES-20305 | 0.15 | 1.5 | 2°30′ | 0.42 | 35 | 3 | 21,700 |

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切削条件 Cutting Condition P.167