



List 349

EXOCARB® CHT, JIS

| | | | | | | |
|----------------|---------|----|--------|------|----|-------------------|
| STRAIGHT FLUTE | CARBIDE | BR | C/1.5P | C/3P | 0° | PACKED 1 PIECE |
|----------------|---------|----|--------|------|----|-------------------|



| EDP | Thread Size | Class of Fit | Chamfer Type | Overall Length | Thread Length | Neck Length | Shank Diameter | Square Width | Square Length | Number of Flutes |
|-------|-------------|--------------|----------------------|----------------|---------------|-------------|----------------|--------------|---------------|------------------|
| | | | | L (mm) | Lc (mm) | L1 (mm) | d (mm) | k (mm) | lk (mm) | |
| 22800 | M1.4 x 0.3 | OH2 | Bottom (1.5P) | 34.00 | 9.00 | 11.50 | 3.00 | 2.50 | 5.00 | 3 |
| 24000 | M1.4 x 0.3 | OH2 | Modified Bottom (3P) | 34.00 | 9.00 | 11.50 | 3.00 | 2.50 | 5.00 | 3 |
| 22801 | M1.6 x 0.35 | OH3 | Bottom (1.5P) | 36.00 | 10.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 24001 | M1.6 x 0.35 | OH3 | Modified Bottom (3P) | 36.00 | 10.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 22802 | M1.7 x 0.35 | OH3 | Bottom (1.5P) | 36.00 | 11.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 24002 | M1.7 x 0.35 | OH3 | Modified Bottom (3P) | 36.00 | 11.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 22803 | M1.8 x 0.35 | OH3 | Bottom (1.5P) | 36.00 | 11.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 24003 | M1.8 x 0.35 | OH3 | Modified Bottom (3P) | 36.00 | 11.00 | 13.50 | 3.00 | 2.50 | 5.00 | 3 |
| 22804 | M2 x 0.4 | OH3 | Bottom (1.5P) | 40.00 | 12.00 | 16.00 | 3.00 | 2.50 | 5.00 | 3 |
| 24004 | M2 x 0.4 | OH3 | Modified Bottom (3P) | 40.00 | 12.00 | 16.00 | 3.00 | 2.50 | 5.00 | 3 |
| 22806 | M2.3 x 0.4 | OH3 | Bottom (1.5P) | 42.00 | 13.00 | 16.00 | 3.00 | 2.50 | 5.00 | 3 |
| 24006 | M2.3 x 0.4 | OH3 | Modified Bottom (3P) | 42.00 | 13.00 | 16.00 | 3.00 | 2.50 | 5.00 | 3 |
| 22807 | M2.5 x 0.45 | OH3 | Bottom (1.5P) | 44.00 | 14.00 | 17.00 | 3.00 | 2.50 | 5.00 | 3 |
| 24007 | M2.5 x 0.45 | OH3 | Modified Bottom (3P) | 44.00 | 14.00 | 17.00 | 3.00 | 2.50 | 5.00 | 3 |
| 22808 | M2.6 x 0.45 | OH3 | Bottom (1.5P) | 44.00 | 14.00 | 17.00 | 3.00 | 2.50 | 5.00 | 3 |
| 24008 | M2.6 x 0.45 | OH3 | Modified Bottom (3P) | 44.00 | 14.00 | 17.00 | 3.00 | 2.50 | 5.00 | 3 |
| 22810 | M3 x 0.5 | OH3 | Bottom (1.5P) | 46.00 | 11.00 | 13.00 | 4.00 | 3.20 | 6.00 | 3 |
| 24010 | M3 x 0.5 | OH3 | Modified Bottom (3P) | 46.00 | 11.00 | 13.00 | 4.00 | 3.20 | 6.00 | 3 |
| 22814 | M4 x 0.7 | OH3 | Bottom (1.5P) | 52.00 | 13.00 | 14.30 | 5.00 | 4.00 | 7.00 | 3 |
| 24014 | M4 x 0.7 | OH3 | Modified Bottom (3P) | 52.00 | 13.00 | 14.30 | 5.00 | 4.00 | 7.00 | 3 |
| 22817 | M5 x 0.8 | OH3 | Bottom (1.5P) | 60.00 | 16.00 | 17.80 | 5.50 | 4.50 | 7.00 | 3 |
| 24017 | M5 x 0.8 | OH3 | Modified Bottom (3P) | 60.00 | 16.00 | 17.80 | 5.50 | 4.50 | 7.00 | 3 |
| 22820 | M6 x 1 | OH3 | Bottom (1.5P) | 62.00 | 19.00 | - | 6.00 | 4.50 | 7.00 | 3 |
| 24020 | M6 x 1 | OH3 | Modified Bottom (3P) | 62.00 | 19.00 | - | 6.00 | 4.50 | 7.00 | 3 |
| 22831 | M8 x 1 | OH3 | Bottom (1.5P) | 70.00 | 22.00 | - | 6.20 | 5.00 | 8.00 | 4 |
| 24031 | M8 x 1 | OH3 | Modified Bottom (3P) | 70.00 | 22.00 | - | 6.20 | 5.00 | 8.00 | 4 |
| 22830 | M8 x 1.25 | OH4 | Bottom (1.5P) | 70.00 | 22.00 | - | 6.20 | 5.00 | 8.00 | 4 |
| 24030 | M8 x 1.25 | OH4 | Modified Bottom (3P) | 70.00 | 22.00 | - | 6.20 | 5.00 | 8.00 | 4 |
| 22835 | M10 x 1 | OH3 | Bottom (1.5P) | 75.00 | 20.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 24035 | M10 x 1 | OH3 | Modified Bottom (3P) | 75.00 | 20.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 22834 | M10 x 1.25 | OH4 | Bottom (1.5P) | 75.00 | 20.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 24034 | M10 x 1.25 | OH4 | Modified Bottom (3P) | 75.00 | 20.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 22833 | M10 x 1.5 | OH4 | Bottom (1.5P) | 75.00 | 24.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 24033 | M10 x 1.5 | OH4 | Modified Bottom (3P) | 75.00 | 24.00 | - | 7.00 | 5.50 | 8.00 | 4 |
| 22841 | M12 x 1 | OH3 | Bottom (1.5P) | 80.00 | 24.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 24041 | M12 x 1 | OH3 | Modified Bottom (3P) | 80.00 | 24.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 22840 | M12 x 1.25 | OH4 | Bottom (1.5P) | 80.00 | 24.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 24040 | M12 x 1.25 | OH4 | Modified Bottom (3P) | 80.00 | 24.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 22839 | M12 x 1.5 | OH4 | Bottom (1.5P) | 82.00 | 29.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 24039 | M12 x 1.5 | OH4 | Modified Bottom (3P) | 82.00 | 29.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 22837 | M12 x 1.75 | OH5 | Bottom (1.5P) | 82.00 | 29.00 | - | 8.50 | 6.50 | 9.00 | 4 |
| 24037 | M12 x 1.75 | OH5 | Modified Bottom (3P) | 82.00 | 29.00 | - | 8.50 | 6.50 | 9.00 | 4 |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



CONTINUED ➔

| P | | | | | M | | | K | N | | | S | | Other | | | | |
|--------------|--------|------|-------------|-----------|-----------------|-----|---------|-----------|-------------|------------|-------------------------------|---------------|--------------|------------|---------------|-----------------|-------------------------|----------|
| Steel | | | | | Stainless Steel | | | Cast Iron | Non-Ferrous | | | HRSA | | Fiberglass | Cobalt-Chrome | Thermo Plastics | Thermo-setting Plastics | |
| Carbon Steel | | | Alloy Steel | Die Steel | 300 | 400 | 17-4 PH | | Aluminum | | MMC (Metal Matrix Composites) | Copper Alloys | Nickel Alloy | | | | | Titanium |
| Low | Medium | High | | | | | | | 6061 | Casting | | | | | | | | |
| 1010 | 1035 | 1045 | 1065 | 4140 | 4340 | | | | | | | | | | | | | |
| | | | | | | | | ⊙ | ⊙ | ⊙ | ⊙ | | | ○ | ⊙ | | | |
| | | | | | | | | 40-90 SFM | 60-160 SFM | 55-120 SFM | | 40-80 SFM | | 30-60 SFM | 15-40 SFM | | | |

○ Good ⊙ Best

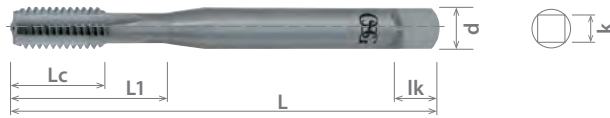




List 349 (Continued)

EXOCARB® CHT, DIN Overall Length

| | | | | | | | |
|----------------|---------|----|---------|--------|------|----|-------------------|
| STRAIGHT FLUTE | CARBIDE | BR | 4 FLUTE | C/1.5P | C/3P | 0° | PACKED 1 PIECE |
|----------------|---------|----|---------|--------|------|----|-------------------|



| EDP | Thread Size | Class of Fit | Chamfer Type | Overall Length | Thread Length | Neck Length | Shank Diameter | Square Width | Square Length | Number of Flutes | |
|-------|-------------|--------------|--------------|----------------------|---------------|-------------|----------------|--------------|---------------|------------------|---|
| | | | | L (mm) | Lc (mm) | L1 (mm) | d (mm) | k (mm) | lk (mm) | | |
| 24048 | ● | M14 x 1.5 | OH4 | Bottom (1.5P) | 88.00 | 21.00 | - | 10.50 | 8.00 | 11.00 | 4 |
| 24047 | ● | M14 x 1.5 | OH4 | Modified Bottom (3P) | 88.00 | 21.00 | - | 10.50 | 8.00 | 11.00 | 4 |
| 24046 | ● | M14 x 2 | OH4 | Bottom (1.5P) | 88.00 | 29.00 | - | 10.50 | 8.00 | 11.00 | 4 |
| 24045 | ● | M14 x 2 | OH4 | Modified Bottom (3P) | 88.00 | 29.00 | - | 10.50 | 8.00 | 11.00 | 4 |
| 24054 | ● | M16 x 1.5 | OH4 | Bottom (1.5P) | 95.00 | 29.00 | - | 12.50 | 10.00 | 13.00 | 4 |
| 24053 | ● | M16 x 1.5 | OH4 | Modified Bottom (3P) | 95.00 | 29.00 | - | 12.50 | 10.00 | 13.00 | 4 |
| 24052 | ● | M16 x 2 | OH5 | Bottom (1.5P) | 95.00 | 29.00 | - | 12.50 | 10.00 | 13.00 | 4 |
| 24051 | ● | M16 x 2 | OH5 | Modified Bottom (3P) | 95.00 | 29.00 | - | 12.50 | 10.00 | 13.00 | 4 |
| 24060 | ● | M18 x 1.5 | OH4 | Bottom (1.5P) | 95.00 | 29.00 | - | 14.00 | 11.00 | 14.00 | 4 |
| 24059 | ● | M18 x 1.5 | OH4 | Modified Bottom (3P) | 95.00 | 29.00 | - | 14.00 | 11.00 | 14.00 | 4 |
| 24056 | ● | M18 x 2.5 | OH5 | Bottom (1.5P) | 100.00 | 35.00 | - | 14.00 | 11.00 | 14.00 | 4 |
| 24055 | ● | M18 x 2.5 | OH5 | Modified Bottom (3P) | 100.00 | 35.00 | - | 14.00 | 11.00 | 14.00 | 4 |
| 24066 | ● | M20 x 1.5 | OH4 | Bottom (1.5P) | 95.00 | 29.00 | - | 15.00 | 12.00 | 15.00 | 4 |
| 24065 | ● | M20 x 1.5 | OH4 | Modified Bottom (3P) | 95.00 | 29.00 | - | 15.00 | 12.00 | 15.00 | 4 |
| 24062 | ● | M20 x 2.5 | OH5 | Bottom (1.5P) | 105.00 | 35.00 | - | 15.00 | 12.00 | 15.00 | 4 |
| 24061 | ● | M20 x 2.5 | OH5 | Modified Bottom (3P) | 105.00 | 35.00 | - | 15.00 | 12.00 | 15.00 | 4 |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked
 Note: Other coatings are available upon request.



| P | | | | | M | | | K | N | | | S | | Other | | | |
|--------------|--------|------|-------------|-----------|-----------------|-----|-----------|------------|-------------|-------------------------------|---------------|--------------|-----------|------------|---------------|-----------------|-------------------------|
| Steel | | | | | Stainless Steel | | | Cast Iron | Non-Ferrous | | | HRSA | | Fiberglass | Cobalt-Chrome | Thermo-Plastics | Thermo-setting Plastics |
| Carbon Steel | | | Alloy Steel | Die Steel | | | | | Aluminum | MMC (Metal Matrix Composites) | Copper Alloys | Nickel Alloy | Titanium | | | | |
| Low | Medium | High | | | 300 | 400 | 17-4 PH | 6061 7075 | | | | | | Casting | Inconel | 6Al4V (30 HRC) | |
| 1010 | 1035 | 1065 | 4140 | 4340 | | | ○ | ○ | ○ | ○ | | | ○ | ○ | | | |
| 1018 | 1045 | | | | | | 40-90 SFM | 60-160 SFM | 55-120 SFM | | 40-80 SFM | | 30-60 SFM | 15-40 SFM | | | |

○ Good ○ Best

