

6-Flute TiN Coated Premium Cobalt Countersinks — 60°, 82°, 90°, 100°, 110°, 120°



- Excellent for countersinking abrasive, high-strength, heat resistant, exotic and other difficult to machine materials
- TiN coated for higher surface hardness and better lubricity to enhance productivity and longer tool life



| Body Dia. (in.) | Shank Dia. (in.) | 60° | 60° Code No. | Price \$ | 82° | 82° Code No. | Price \$ | 90° | 90° Code No. | Price \$ |
|-----------------|------------------|---------------|--------------|----------|---------------|--------------|----------|---------------|--------------|----------|
| 1/8 | 1/8 | HSP-1/8-60T | 121350 | 30.75 | HSP-1/8-82T | 121372 | 31.69 | HSP-1/8-90T | 121394 | 31.69 |
| 3/16 | 3/16 | HSP-3/16-60T | 121352 | 33.26 | HSP-3/16-82T | 121374 | 33.26 | HSP-3/16-90T | 121396 | 33.26 |
| 1/4 | 1/4 | HSP-1/4-60T | 121354 | 35.64 | HSP-1/4-82T | 121376 | 35.64 | HSP-1/4-90T | 121398 | 35.64 |
| 5/16 | 1/4 | HSP-5/16-60T | 121356 | 41.39 | HSP-5/16-82T | 121378 | 41.39 | HSP-5/16-90T | 121400 | 39.24 |
| 3/8 | 1/4 | HSP-3/8-60T | 121358 | 43.30 | HSP-3/8-82T | 121380 | 44.99 | HSP-3/8-90T | 121402 | 44.99 |
| 1/2 | 3/8 | HSP-1/2-60T | 121360 | 58.84 | HSP-1/2-82T | 121382 | 58.25 | HSP-1/2-90T | 121404 | 58.25 |
| 5/8 | 3/8 | HSP-5/8-60T | 121362 | 82.90 | HSP-5/8-82T | 121384 | 85.52 | HSP-5/8-90T | 121406 | 82.18 |
| 3/4 | 1/2 | HSP-3/4-60T | 121364 | 124.15 | HSP-3/4-82T | 121386 | 124.64 | HSP-3/4-90T | 121408 | 124.64 |
| 7/8 | 1/2 | HSP-7/8-60T | 121366 | 152.03 | HSP-7/8-82T | 121388 | 152.03 | HSP-7/8-90T | 121410 | 152.03 |
| 1 | 1/2 | HSP-1-60T | 121368 | 167.22 | HSP-1-82T | 121390 | 172.48 | HSP-1-90T | 121412 | 167.22 |
| 1-1/4 | 1/2 | HSP-1-1/4-60T | 121370 | 270.81 | HSP-1-1/4-82T | 121392 | 276.68 | HSP-1-1/4-90T | 121414 | 270.81 |

| Body Dia. (in.) | Shank Dia. (in.) | 100° | 100° Code No. | Price \$ | 110° | 110° Code No. | Price \$ | 120° | 120° Code No. | Price \$ |
|-----------------|------------------|--------------|---------------|----------|--------------|---------------|----------|--------------|---------------|----------|
| 1/8 | 1/8 | HSP-1/8-100 | 121416 | 29.66 | HSP-1/8-110 | 121436 | 29.66 | HSP-1/8-120 | 121456 | 30.75 |
| 3/16 | 3/16 | HSP-3/16-100 | 121418 | 33.26 | HSP-3/16-110 | 121438 | 31.21 | HSP-3/16-120 | 121458 | 35.06 |
| 1/4 | 1/4 | HSP-1/4-100 | 121420 | 35.64 | HSP-1/4-110 | 121440 | 33.37 | HSP-1/4-120 | 121460 | 33.37 |
| 5/16 | 1/4 | HSP-5/16-100 | 121422 | 41.39 | HSP-5/16-110 | 121442 | 39.24 | HSP-5/16-120 | 121462 | 39.24 |
| 3/8 | 1/4 | HSP-3/8-100 | 121424 | 42.95 | HSP-3/8-110 | 121444 | 42.82 | HSP-3/8-120 | 121464 | 45.21 |
| 1/2 | 3/8 | HSP-1/2-100 | 121426 | 61.12 | HSP-1/2-110 | 121446 | 61.12 | HSP-1/2-120 | 121466 | 61.12 |
| 5/8 | 3/8 | HSP-5/8-100 | 121428 | 82.90 | HSP-5/8-110 | 121448 | 83.01 | HSP-5/8-120 | 121468 | 85.52 |
| 3/4 | 1/2 | HSP-3/4-100 | 121430 | 124.15 | HSP-3/4-110 | 121450 | 115.66 | HSP-3/4-120 | 121470 | 124.15 |
| 7/8 | 1/2 | HSP-7/8-100 | 121432 | 141.98 | HSP-7/8-110 | 121452 | 141.98 | HSP-7/8-120 | 121472 | 136.47 |
| 1 | 1/2 | HSP-1-100 | 121434 | 167.22 | HSP-1-110 | 121454 | 159.93 | HSP-1-120 | 121474 | 167.22 |

6-Flute Carbide Countersinks



For use on hardened steel up to 60HRC, high temperature alloys and other tough jobs.



| Cutting Dia. (in.) | Shank Dia. (in.) | Included Angle | Code No. | Price \$ |
|--------------------|------------------|----------------|----------|----------|
| 1/4 | 1/4 | 60° | 172920 | 44.85 |
| 1/4 | 1/4 | 82° | 172921 | 44.85 |
| 1/4 | 1/4 | 90° | 172922 | 44.85 |
| 3/8 | 1/4 | 60° | 172923 | 73.75 |
| 3/8 | 1/4 | 82° | 172924 | 73.75 |
| 3/8 | 1/4 | 90° | 172925 | 73.75 |
| 1/2 | 1/4 | 60° | 172926 | 98.06 |
| 1/2 | 1/4 | 82° | 172927 | 129.47 |
| 1/2 | 1/4 | 90° | 172928 | 98.06 |
| 5/8 | 3/8 | 60° | 172929 | 138.29 |
| 5/8 | 3/8 | 82° | 172930 | 138.29 |
| 5/8 | 3/8 | 90° | 172931 | 138.29 |
| 3/4 | 3/8 | 60° | 172932 | 202.38 |
| 3/4 | 3/8 | 82° | 172933 | 202.38 |
| 3/4 | 3/8 | 90° | 172934 | 202.38 |
| 1 | 1/2 | 60° | 172935 | 278.78 |
| 1 | 1/2 | 82° | 172936 | 278.78 |
| 1 | 1/2 | 90° | 172937 | 278.78 |

Multi-Flute Carbide Countersinks



For use on hardened steel up to 60HRC to countersink or chamfer.



| Cutting Dia. (in.) | Shank Dia. (in.) | Included Angle | Code No. | Price \$ |
|--------------------|------------------|----------------|----------|----------|
| 1/4 | 1/4 | 60° | 172900 | 41.72 |
| 1/4 | 1/4 | 82° | 172901 | 41.72 |
| 1/4 | 1/4 | 90° | 172902 | 41.72 |
| 3/8 | 1/4 | 60° | 172903 | 46.54 |
| 3/8 | 1/4 | 82° | 172904 | 46.54 |
| 3/8 | 1/4 | 90° | 172905 | 46.54 |
| 1/2 | 1/4 | 60° | 172906 | 66.25 |
| 1/2 | 1/4 | 82° | 172907 | 66.25 |
| 1/2 | 1/4 | 90° | 172908 | 66.25 |
| 5/8 | 3/8 | 60° | 172909 | 91.04 |
| 5/8 | 3/8 | 82° | 172910 | 91.04 |
| 5/8 | 3/8 | 90° | 172911 | 91.04 |
| 3/4 | 3/8 | 60° | 172912 | 122.35 |
| 3/4 | 3/8 | 82° | 172913 | 122.35 |
| 3/4 | 3/8 | 90° | 172914 | 122.35 |
| 1 | 1/2 | 60° | 172915 | 195.36 |
| 1 | 1/2 | 82° | 172916 | 195.36 |
| 1 | 1/2 | 90° | 172917 | 195.36 |