

Drill type	Soft wood	Hard wood	Polywood	Chipboard
3F ( φ5-φ12 ) ( Z3)	10 score, High price High efficiency, Premium hole quality	10 score High price, high efficiency Premium hole quality	10 score High price, high efficiency, Premium hole quality	10 score High price, high efficiency Premium hole quality
standard 2Flutes (Z2) ( carbide head)	6 score, Low price High efficiency Most cost-effective	8 score, Low price High efficiency Most cost-effective excellent hole quality	8 score, Middle price High efficiency, Most cost-effective, excellent hole quality	8 score, Middle price High efficiency, Most cost-effective excellent hole quality
4Flutes( carbide head ) (Z2)	6 score score Low price, high efficiency	8 score, Middle price High efficiency, excellent hole quality	8 score, Middle price High efficiency excellent hole quality	8 score, Middle price High efficiency, excellent hole quality
XW(High performance) (Z2) ( carbide head)	9 score Low price, High efficiency long lifetime excellent hole quality	6 score, Middle price High efficiency	9 score, Middle price, High efficiency, long lifetime excellent hole quality	10 score, High price High efficiency, long lifetime, excellent hole quality
XW+4F(high performance+ 4 Flutes) ( carbide head) (Z2)	9 score Low price, High efficiency long lifetime	6 score, Middle price High efficiency	9 score, Middle price High efficiency, long lifetime excellent hole quality	10 score, High price High efficiency, long lifetime, excellent hole quality
solid carbide 2F and 4F ( carbide head+carbide shank )	9 score High price, high efficiency long lifetime, excellent hole quality	6 score, Middle price	9 score, Middle price High efficiency, long lifetime excellent hole quality	10 score, High price High efficiency, long lifetime, excellent hole quality
carbide tipped hinge boring bits	6 score score Low price, high efficiency	8 score, Middle price High efficiency	8 score, Middle price High efficiency	8 score, Middle price High efficiency, excellent hole quality
solid carbide hinge boring bits ( carbide head+carbide shank )	9 score, High price high efficiency, long life excellent hole quality	6 score, High price High efficiency	9 score, High price High efficiency, long lifetime, excellent hole quality	10 score, High price High efficiency, long lifetime, excellent hole quality

Performance Score: **Highest 10**

Price level: **Low, Middle, High**

Main advantage: **Most cost-effective, long lifetime, high efficiency, Premium hole quality, excellent hole quality**

Drill type	laminated board	MDF	Trespa	Bamboo
3F ( φ5-φ12 )	10 score High price, high efficiency Premium hole quality	10 score High price, high efficiency, Premium hole quality	10 score High price, high efficiency, Premium hole quality	10 score High price, high efficiency, Premium hole quality
standard 2Flutes ( carbide head)	8 score, Middle price High efficiency excellent hole quality	8 score, Middle price High efficiency, excellent hole quality	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency
4Flutes (carbide head )	8 score, Middle price High efficiency excellent hole quality	8 score, Middle price High efficiency, excellent hole quality	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency
XW(High performance) ( carbide head)	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency	9 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency
XW+4F(high performance+ 4 Flutes) ( carbide head)	8 score, Middle price High efficiency	6 score, Middle price High efficiency	9 score, Middle price High efficiency excellent hole quality	6 score, Middle price High efficiency, excellent hole quality
solid carbide 2F and 4F ( carbide head+carbide shank )	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency	9 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency, excellent hole quality
carbide tipped hinge boring bits	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency	9 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency
solid carbide hinge boring bits ( carbide head+carbide shank )	8 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency	9 score, Middle price High efficiency, excellent hole quality	6 score, Middle price High efficiency