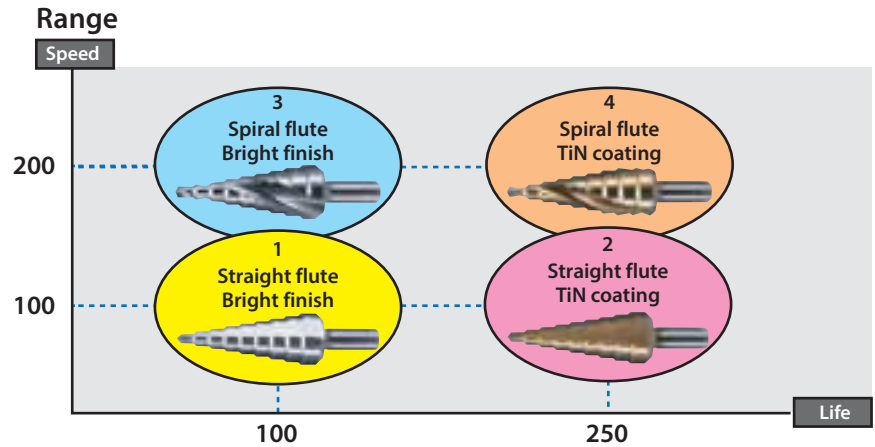
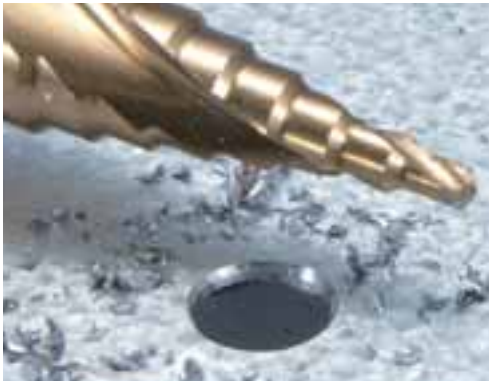


Accessories

Step drill bit



Material chart

AA: Recommended A: Acceptable

Description	Flute	Surface	Shank	Material				
				Plastic	* Non-ferrous metal	Sheet steel	Alloy steel	Cast iron
1		Bright finish	Three flat or 1/4"Hex	AA	AA	AA	A	A
2		Titanium coating		AA	AA	AA	A	A
3		Bright finish		AA	AA	AA	A	A
4		Titanium coating		AA	AA	AA	A	A

*Non-ferrous metal (Such as Copper, Nickel and Zinc)

Countersink bit



Material chart

AA: Recommended A: Acceptable

Description	Made of	Type	Shank	Material					
				Wood	Plastic	*Non-ferrous metal	Cast iron	Alloy steel	Stainless steel
7cutting edge 	Alloy steel 	 Shallow sinking	1/4"Hex	AA	AA	AA	AA		
5cutting edge 	High speed steel	Suitable for flat countersinking.	Straight shank	AA	AA	AA	AA	AA	
3cutting edge 	HSS 	 Deep sinking	1/4"Hex (C-form)	AA	AA	AA	AA	AA	
3cutting edge 		Suitable for deep countersinking.	Straight shank	AA	AA	AA	AA	AA	
Slanting hole It's for higher heat and abrasion resistance. Suitable for drilling tough metal.	High speed steel (Cobalt content 5%)	 Shallow sinking Suitable for flat countersinking. Especially in thin metal sheets.	Straight shank		AA	AA	AA	AA	A

*Non-ferrous metal (Such as Copper, Nickel and Zinc)

Cone drill bit



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
Straight	3 to 14	58	1	D-40048
	4 to 20	71	1	D-40054
	16 to 30.5	76	1	D-40060
	24 to 40	58	1	D-40076



Step drill bit straight flute



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch	4 to 12	65	1	D-46414
Hex NZ	4 to 20	75	1	D-46420
1/4inch	4 to 12	65	1	D-40082
Hex MZ	4 to 20	75	1	D-40098
Straight	4 to 32	102	1	D-40107

Step drill bit straight flute titanium coating



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch	4 to 12	65	1	D-46436
Hex NZ	4 to 20	75	1	D-46442
1/4inch	4 to 12	65	1	D-40113
Hex MZ	4 to 20	75	1	D-40129
Straight	4 to 32	102	1	D-40135

Step drill bit straight flute titanium coating 3pcs set



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch Hex MZ, Straight	4-12, 4-20, 4-32	65-102	3	D-46573

Step drill bit spiral flute



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch	4 to 12	65	1	D-46458
Hex NZ	4 to 20	75	1	D-46464
1/4inch	4 to 12	65	1	D-40141
Hex MZ	4 to 20	75	1	D-40157
Straight	4 to 32	102	1	D-40163

Step drill bit spiral flute titanium coating



Diameter mm	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch	4 to 12	65	1	D-46470
Hex NZ	4 to 20	75	1	D-46486
1/4inch	4 to 12	65	1	D-40179
Hex MZ	4 to 20	75	1	D-40185
Straight	4 to 32	102	1	D-40191



Step drill bit spiral flute titanium coating 3pcs set



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch Hex MZ, Straight	4-12, 4-20, 4-32	65-102	3	D-41872

Countersink bit with three 90deg. cutting edges



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
1/4inch Hex C-form	6.3	31	-	D-37312
	8.3	31	-	D-37328
	10.4	34	-	D-37334
	12.4	35	-	D-37340
	16.5	40	-	D-37356
	20.5	41	-	D-37362
Straight	6.3	45	6.3	D-37437
	8.3	50	8.3	D-37443
	10.4	50	6	D-37459
	12.4	56	8	D-37465
	16.5	60	10	D-37471
	20.5	63	10	D-37487
	25	67	10	D-37493

Countersink bit with three 90deg. cutting edges 6pcs set in metal case



Shank type	Diameter mm	Length mm	Part No.
Straight	6.3, 8.3, 10.4, 12.4, 16.5, 20.5	45, 50, 50, 56, 60, 63	D-42204

Countersink bit with five 90deg. cutting edges



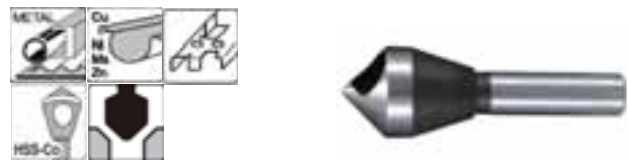
Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
Straight	6	48	1	D-37378
	8	48	1	D-37384
	10	40	1	D-37390
	12	40	1	D-37409
	16	43	1	D-37415
	20	45	1	D-37421

Countersink bit with seven 90deg. cutting edges



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
Straight	13	50	1	D-37306

Slanting hole countersink bit



Shank type	Diameter mm	Length mm	Sales Pkg Qty	Part No.
Straight	2 to 5	45	1	D-37502
	5 to 10	48	1	D-37518
	10 to 15	65	1	D-37524
	15 to 20	85	1	D-37530

