



# ***Starcraft***®

**PROFESSIONAL TOOLS**



## **METAL DRILL BITS**

### 4001 / HSS TWIST DRILL BITS, HOT ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose .  
(135 degree split point angle also available).
- Black oxide finish for great resistance to wear.
- Economical high speed steel bit for general drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40010201N	-	1.0	12	34	40010215N	40010215B5	6.5	63	101
40010202N	-	1.5	18	40	40010216N	40010216B5	7.0	69	109
40010203N	-	2.0	24	49	40010217N	40010217B5	7.5	69	109
40010204N	-	2.5	30	57	40010218N	40010218B5	8.0	75	117
40010205N	40010205B10	3.0	33	61	40010219N	40010219B5	8.5	75	117
40010206N	40010206B10	3.3	36	65	40010220N	40010220B5	9.0	81	125
40010207N	40010207B10	3.5	39	70	40010221N	40010221B5	9.5	81	125
40010208N	40010208B10	4.0	43	75	40010222N	40010222B5	10.0	87	133
40010209N	40010209B10	4.2	43	75	40010223N	40010223B5	10.5	87	133
40010210N	40010210B10	4.5	47	80	40010224N	40010224B5	11.0	94	142
40010211N	40010211B10	4.8	52	86	40010225N	40010225B5	11.5	94	142
40010212N	40010212B10	5.0	52	86	40010226N	40010226B5	12.0	101	151
40010213N	40010213B10	5.5	57	93	40010227N	40010227B5	12.5	101	151
40010214N	40010214B10	6.0	57	93	40010228N	40010228B5	13.0	101	151



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



Item No.400115

5pcs Black Oxide HSS Drill Bits Set in plastic box  
contains: 4, 5, 6, 8, 10mm



Item No.400112

8pcs Black Oxide HSS Drill Bits Set in plastic box  
contains: 3, 4, 5, 6, 7, 8, 9, 10mm



Item No.400102

13pcs Black Oxide HSS Drill Bits Set in plastic box  
contains: 1.5, 2, 2.5, 3, 4, 4.5, 4.8, 5, 5.5, 6, 6.5mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



Item No.400109

13pcs Black Oxide HSS Drill Bits Set in metal box  
contains: 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6, 6.5mm



Item No.400110

19pcs Black Oxide HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



Item No.400111

25pcs Black Oxide HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

### 4008 HSS JOBBER LENGTH DRILL BITS, ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose.  
(135 degree split point angle also available).
- Black oxide finish for great resistance to wear.
- Economical high speed steel bit for general drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40089201N	-	1/16	7/8	1-7/8
40089202N	-	5/64	1	2
40089203N	-	3/32	1-1/4	2-1/4
40089204N	-	7/64	1-1/2	2-5/8
40089205N	40089205B10	1/8	1-5/8	2-3/4
40089206N	40089206B10	9/64	1-3/4	2-7/8
40089207N	40089207B10	5/32	2	3-1/8
40089208N	40089208B10	11/64	2-1/8	3-1/4
40089209N	40089209B10	3/16	2-5/16	3-1/2
40089210N	40089210B10	13/64	2-7/16	3-5/8
40089211N	40089211B10	7/32	2-1/2	3-3/4
40089212N	40089212B10	15/64	2-5/8	3-7/8
40089213N	40089213B10	1/4	2-3/4	4
40089214N	40089214B10	17/64	2-7/8	4-1/8
40089215N	40089215B10	9/32	2-5/16	4-1/4

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40089216N	40089216B5	19/64	3-1/16	4-3/8
40089217N	40089217B5	5/16	3-3/16	4-1/2
40089218N	40089218B5	21/64	3-5/16	4-5/8
40089219N	40089219B5	11/32	3-7/16	4-3/4
40089220N	40089220B5	23/64	3-1/2	4-7/8
40089221N	40089221B5	3/8	3-5/8	5
40089222N	40089222B5	25/64	3-3/4	5-1/8
40089223N	40089223B5	13/32	3-7/8	5-1/4
40089224N	40089224B5	27/64	3-5/16	5-3/8
40089225N	40089225B5	7/16	4-1/16	5-1/2
40089226N	40089226B5	29/64	4-3/16	5-5/8
40089227N	40089227B5	15/32	4-5/16	5-3/4
40089228N	40089228B5	31/64	4-3/8	5-7/8
40089229N	40089229B5	1/2	4-1/2	6



**INDIVIDUAL PACKAGE DISPLAY**  
PACKED IN TRAPPED BLISTER CARD



**Item No.400813**

**13pcs Black Oxide HSS Jobber Length Drill Bits Set in metal box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4 inch.



**Item No.400803**

**21pcs HSS Jobber Length Drill Bits Set, Black Oxide in metal box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8 inch

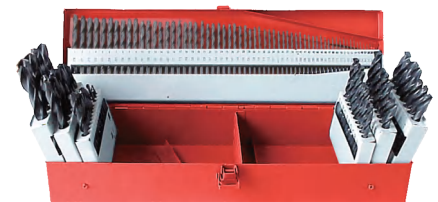


**INDIVIDUAL PACKAGE DISPLAY**  
PACKED IN PLASTIC BOX



**Item No.400804**

**29pcs HSS Jobber Length Drill Bits Set, Black Oxide in metal box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2 inch



**Item No.400815**

**115pcs HSS Jobber Length Drill Bits Set, Black Oxide in metal box**  
contains: 29pcs Drill Bits 1/16"-1/2"x64ths;  
26pcs Lettered Drill Bits A-Z;  
60pcs Numbered Drill Bits 1-60

### 4031 / HSS TWIST DRILL BITS, ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose. (135 degree split point angle also available).
- Polished flute for the most accurate hole dimensions and high concentricity. Economical high speed steel bit for general drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40310201N	-	1.0	12	34
40310202N	-	1.5	18	40
40310203N	-	2.0	24	49
40310204N	-	2.5	30	57
40310205N	40310205B10	3.0	33	61
40310206N	40310206B10	3.2	36	65
40310207N	40310207B10	3.5	39	70
40310208N	40310208B10	4.0	43	75
40310209N	40310209B10	4.2	43	75
40310210N	40310210B10	4.5	47	80
40310211N	40310211B10	4.8	52	86
40310212N	40310212B10	5.0	52	86
40310213N	40310213B10	5.5	57	93
40310214N	40310214B10	6.0	57	93

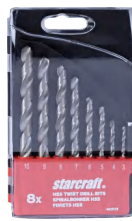
ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40310215N	40310215B5	6.5	63	101
40310216N	40310216B5	7.0	69	109
40310217N	40310217B5	7.5	69	109
40310218N	40310218B5	8.0	75	117
40310219N	40310219B5	8.5	75	117
40310220N	40310220B5	9.0	81	125
40310221N	40310221B5	9.5	81	125
40310222N	40310222B5	10.0	87	133
40310223N	40310223B5	10.5	87	133
40310224N	40310224B5	11.0	94	142
40310225N	40310225B5	11.5	94	142
40310226N	40310226B5	12.0	101	151
40310227N	40310227B5	12.5	101	151
40310228N	40310228B5	13.0	101	151



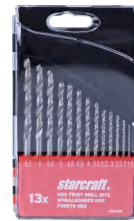
INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



**Item No. 403114**  
5pcs Roll-Forged & Polished HSS Drill Bits Set in plastic box  
contains: 4, 5, 6, 8, 10mm



**Item No. 403113**  
8pcs Roll-Forged & Polished HSS Drill Bits Set in plastic box  
contains: 3, 4, 5, 6, 7, 8, 9, 10mm



**Item No. 403109**  
13pcs Roll-Forged & Polished HSS Drill Bits Set in plastic box  
contains: 1.5, 2, 2.5, 3, 4, 4.5, 4.8, 5, 5.5, 6, 6.5mm



**Item No. 403108**  
19pcs Roll-Forged & Polished HSS Drill Bits Set in plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



**Item No. 403115**  
13pcs Roll-Forged & Polished HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5mm



**Item No. 403117**  
25pcs Roll-Forged & Polished HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

## 4036 HSS JOBBER LENGTH DRILL BITS, ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose.  
(135 degree split point angle also available).
- Black oxide finish for great resistance to wear.
- Economical high speed steel bit for general drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40369201N	-	1/16	7/8	1-7/8	40369216N	40369216B5	19/64	3-1/16	4-3/8
40369202N	-	5/64	1	2	40369217N	40369217B5	5/16	3-3/16	4-1/2
40369203N	-	3/32	1-1/4	2-1/4	40369218N	40369218B5	21/64	3-5/16	4-5/8
40369204N	-	7/64	1-1/2	2-5/8	40369219N	40369219B5	11/32	3-7/16	4-3/4
40369205N	40369205B10	1/8	1-5/8	2-3/4	40369220N	40369220B5	23/64	3-1/2	4-7/8
40369206N	40369206B10	9/64	1-3/4	2-7/8	40369221N	40369221B5	3/8	3-5/8	5
40369207N	40369207B10	5/32	2	3-1/8	40369222N	40369222B5	25/64	3-3/4	5-1/8
40369208N	40369208B10	11/64	2-1/8	3-1/4	40369223N	40369223B5	13/32	3-7/8	5-1/4
40369209N	40369209B10	3/16	2-5/16	3-1/2	40369224N	40369224B5	27/64	3-5/16	5-3/8
40369210N	40369210B10	13/64	2-7/16	3-5/8	40369225N	40369225B5	7/16	4-1/16	5-1/2
40369211N	40369211B10	7/32	2-1/2	3-3/4	40369226N	40369226B5	29/64	4-3/16	5-5/8
40369212N	40369212B10	15/64	2-5/8	3-7/8	40369227N	40369227B5	15/32	4-5/16	5-3/4
40369213N	40369213B10	1/4	2-3/4	4	40369228N	40369228B5	31/64	4-3/8	5-7/8
40369214N	40369214B10	17/64	2-7/8	4-1/8	40369229N	40369229B5	1/2	4-1/2	6
40369215N	40369215B10	9/32	2-5/16	4-1/4					



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



**Item No. 403612**  
**13pcs Roll-Forged & Polished HSS Jobber Length Drill Bits Set in metal box**  
 contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4 inch

\* 21pcs & 29pcs in metal box available.



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### 4032 / HSS TWIST DRILL BITS, ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose. (135 degree split point angle also available).
- Polished flute for the most accurate hole dimensions and high concentricity. Titanium nitride coating ensure longer bit life.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

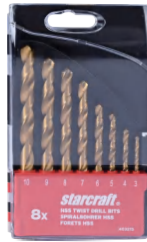
ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40320201N	-	1.0	12	34	40320215N	40320215B5	6.5	63	101
40320202N	-	1.5	18	40	40320216N	40320216B5	7.0	69	109
40320203N	-	2.0	24	49	40320217N	40320217B5	7.5	69	109
40320204N	-	2.5	30	57	40320218N	40320218B5	8.0	75	117
40320205N	40320205B10	3.0	33	61	40320219N	40320219B5	8.5	75	117
40320206N	40320206B10	3.2	36	65	40320220N	40320220B5	9.0	81	125
40320207N	40320207B10	3.5	39	70	40320221N	40320221B5	9.5	81	125
40320208N	40320208B10	4.0	43	75	40320222N	40320222B5	10.0	87	133
40320209N	40320209B10	4.2	43	75	40320223N	40320223B5	10.5	87	133
40320210N	40320210B10	4.5	47	80	40320224N	40320224B5	11.0	94	142
40320211N	40320211B10	4.8	52	86	40320225N	40320225B5	11.5	94	142
40320212N	40320212B10	5.0	52	86	40320226N	40320226B5	12.0	101	151
40320213N	40320213B10	5.5	57	93	40320227N	40320227B5	12.5	101	151
40320214N	40320214B10	6.0	57	93	40320228N	40320228B5	13.0	101	151



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



**Item No.403214**  
5pcs Polished & Tin - Coated HSS Drill Bits Set in plastic box  
contains: 4, 5, 6, 8, 10mm



**Item No.403213**  
8pcs Polished & Tin - Coated HSS Drill Bits Set in plastic box  
contains: 3, 4, 5, 6, 7, 8, 9, 10mm



**Item No.403207**  
13pcs Polished & Tin - Coated HSS Drill Bits Set in plastic box  
contains: 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6, 6.5mm



**Item No.403215**  
19pcs Polished & Tin - Coated HSS Drill Bits Set in plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



**Item No.403201**  
13pcs Polished & Tin - Coated HSS Drill Bits Set in metal box  
contains: 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6, 6.5mm



**Item No.403202**  
19pcs Polished & Tin - Coated HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



**Item No.403206**  
25pcs Polished & Tin - Coated HSS Drill Bits Set in metal box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

## 4037 HSS JOBBER LENGTH DRILL BITS, ROLL-FORGED



- Hot roll-forged flute with special heat treatment gives additional toughness with increased durability of the drill bit.
- 118 degree point angle design for general purpose.  
(135 degree split point angle also available).
- Polished flute for the most accurate hole dimensions and high concentricity.
- Titanium nitride coating ensure longer bit life.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40379201N	-	1/16	7/8	1-7/8	40379216N	40379216B5	19/64	3-1/16	4-3/8
40379202N	-	5/64	1	2	40379217N	40379217B5	5/16	3-3/16	4-1/2
40379203N	-	3/32	1-1/4	2-1/4	40379218N	40379218B5	21/64	3-5/16	4-5/8
40379204N	-	7/64	1-1/2	2-5/8	40379219N	40379219B5	11/32	3-7/16	4-3/4
40379205N	40379205B10	1/8	1-5/8	2-3/4	40379220N	40379220B5	23/64	3-1/2	4-7/8
40379206N	40379206B10	9/64	1-3/4	2-7/8	40379221N	40379221B5	3/8	3-5/8	5
40379207N	40379207B10	5/32	2	3-1/8	40379222N	40379222B5	25/64	3-3/4	5-1/8
40379208N	40379208B10	11/64	2-1/8	3-1/4	40379223N	40379223B5	13/32	3-7/8	5-1/4
40379209N	40379209B10	3/16	2-5/16	3-1/2	40379224N	40379224B5	27/64	3-5/16	5-3/8
40379210N	40379210B10	13/64	2-7/16	3-5/8	40379225N	40379225B5	7/16	4-1/16	5-1/2
40379211N	40379211B10	7/32	2-1/2	3-3/4	40379226N	40379226B5	29/64	4-3/16	5-5/8
40379212N	40379212B10	15/64	2-5/8	3-7/8	40379227N	40379227B5	15/32	4-5/16	5-3/4
40379213N	40379213B10	1/4	2-3/4	4	40379228N	40379228B5	31/64	4-3/8	5-7/8
40379214N	40379214B10	17/64	2-7/8	4-1/8	40379229N	40379229B5	1/2	4-1/2	6
40379215N	40379215B10	9/32	2-5/16	4-1/4					



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



### Item No. 403705

#### 21pcs Polished & Tin - Coated HSS Jobber Length Drill Bits Set in metal box

contains: 1/16, 5/64, 3/32, 7/64, 1/8,  
9/64, 5/32, 11/64, 3/16, 13/64, 7/32,  
15/64, 1/4, 17/64, 9/32, 19/64, 5/16,  
21/64, 11/32, 23/64, 3/8 inch

\* 13pcs & 29pcs in metal box available.



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### 4002 / HSS TWIST DRILL BITS, FULLY GROUND



- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Fully ground body, bright finish for the most accurate hole dimensions and high concentricity.
- Hardened high speed steel body provides additional safeguard.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40020301N	-	1.0	12	34	40020315N	40020315B5	6.5	63	101
40020302N	-	1.5	18	40	40020316N	40020316B5	7.0	69	109
40020303N	-	2.0	24	49	40020317N	40020317B5	7.5	69	109
40020304N	-	2.5	30	57	40020318N	40020318B5	8.0	75	117
40020305N	40020305B10	3.0	33	61	40020319N	40020319B5	8.5	75	117
40020306N	40020306B10	3.2	36	65	40020320N	40020320B5	9.0	81	125
40020307N	40020307B10	3.5	39	70	40020321N	40020321B5	9.5	81	125
40020308N	40020308B10	4.0	43	75	40020322N	40020322B5	10.0	87	133
40020309N	40020309B10	4.2	43	75	40020323N	40020323B5	10.5	87	133
40020310N	40020310B10	4.5	47	80	40020324N	40020324B5	11.0	94	142
40020311N	40020311B10	4.8	52	86	40020325N	40020325B5	11.5	94	142
40020312N	40020312B10	5.0	52	86	40020326N	40020326B5	12.0	101	151
40020313N	40020313B10	5.5	57	93	40020327N	40020327B5	12.5	101	151
40020314N	40020314B10	6.0	57	93	40020328N	40020328B5	13.0	101	151



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



**Item No.400205**  
5pcs Fully Ground HSS Drill Bits Set in plastic box  
contains: 4, 5, 6, 8, 10mm



**Item No.400212**  
8pcs Fully Ground HSS Drill Bits Set in plastic box  
contains: 3, 4, 5, 6, 7, 8, 9, 10mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



**Item No.400210**  
19pcs Fully Ground HSS Drill Bits Set in rose plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



**Item No.400216**  
25pcs Fully Ground HSS Drill Bits Set in rose plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

\* 13pcs & 25pcs in rose plastic box available.

## 4009 HSS JOBBER LENGTH DRILL BITS, FULLY GROUND



- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Fully ground body, bright finish for the most accurate hole dimensions and high concentricity.
- Hardened high speed steel provides additional safeguard.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40099301N	-	1/16	7/8	1-7/8
40099302N	-	5/64	1	2
40099303N	-	3/32	1-1/4	2-1/4
40099304N	-	7/64	1-1/2	2-5/8
40099305N	40099305B10	1/8	1-5/8	2-3/4
40099306N	40099306B10	9/64	1-3/4	2-7/8
40099307N	40099307B10	5/32	2	3-1/8
40099308N	40099308B10	11/64	2-1/8	3-1/4
40099309N	40099309B10	3/16	2-5/16	3-1/2
40099310N	40099310B10	13/64	2-7/16	3-5/8
40099311N	40099311B10	7/32	2-1/2	3-3/4
40099312N	40099312B10	15/64	2-5/8	3-7/8
40099313N	40099313B10	1/4	2-3/4	4
40099314N	40099314B10	17/64	2-7/8	4-1/8
40099315N	40099315B10	9/32	2-5/16	4-1/4

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40099316N	40099316B5	19/64	3-1/16	4-3/8
40099317N	40099317B5	5/16	3-3/16	4-1/2
40099318N	40099318B5	21/64	3-5/16	4-5/8
40099319N	40099319B5	11/32	3-7/16	4-3/4
40099320N	40099320B5	23/64	3-1/2	4-7/8
40099321N	40099321B5	3/8	3-5/8	5
40099322N	40099322B5	25/64	3-3/4	5-1/8
40099323N	40099323B5	13/32	3-7/8	5-1/4
40099324N	40099324B5	27/64	3-5/16	5-3/8
40099325N	40099325B5	7/16	4-1/16	5-1/2
40099326N	40099326B5	29/64	4-3/16	5-5/8
40099327N	40099327B5	15/32	4-5/16	5-3/4
40099328N	40099328B5	31/64	4-3/8	5-7/8
40099329N	40099329B5	1/2	4-1/2	6



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



Item No. 400922

**21pcs Fully Ground HSS Jobber Length Drill Bits Set in plastic box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8 inch



Item No. 400921

**29pcs Fully Ground HSS Jobber Length Drill Bits Set in rose plastic box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2 inch



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### 4040 / HSS TWIST DRILL BITS, FULLY GROUND



- Fully ground from industrial quality high speed steel.
- 135 degree split point for quick start and no walk application.
- Black oxide finished spiral flute with gold ferrous oxide finished web and shank for longer life.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40400301N	-	1.0	12	34	40400315N	40400315B5	6.5	63	101
40400302N	-	1.5	18	40	40400316N	40400316B5	7.0	69	109
40400303N	-	2.0	24	49	40400317N	40400317B5	7.5	69	109
40400304N	-	2.5	30	57	40400318N	40400318B5	8.0	75	117
40400305N	40400305B10	3.0	33	61	40400319N	40400319B5	8.5	75	117
40400306N	40400306B10	3.2	36	65	40400320N	40400320B5	9.0	81	125
40400307N	40400307B10	3.5	39	70	40400321N	40400321B5	9.5	81	125
40400308N	40400308B10	4.0	43	75	40400322N	40400322B5	10.0	87	133
40400309N	40400309B10	4.2	43	75	40400323N	40400323B5	10.5	87	133
40400310N	40400310B10	4.5	47	80	40400324N	40400324B5	11.0	94	142
40400311N	40400311B10	4.8	52	86	40400325N	40400325B5	11.5	94	142
40400312N	40400312B10	5.0	52	86	40400326N	40400326B5	12.0	101	151
40400313N	40400313B10	5.5	57	93	40400327N	40400327B5	12.5	101	151
40400314N	40400314B10	6.0	57	93	40400328N	40400328B5	13.0	101	151



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



#### Item No. 404012

#### 19pcs Black & Gold HSS Drill Bits Set in rose plastic box

contains: 1, 1.5, 2, 2.5, 3, 3.5, 4,  
4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5,  
9, 9.5, 10mm



#### Item No. 404014

#### 25pcs Black & Gold HSS Drill Bits Set in rose plastic box

contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5,  
5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5,  
10, 10.5, 11, 11.5, 12, 12.5, 13mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

## 4055 / HSS JOBBER LENGTH DRILL BITS, FULLY GROUND



- Fully ground from industrial quality high speed steel.
- 135 degree split point for quick start and no walk application.
- Black oxide finished spiral flute with gold ferrous oxide finished web and shank for longer life.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40559301N	-	1/16	7/8	1-7/8
40559302N	-	5/64	1	2
40559303N	-	3/32	1-1/4	2-1/4
40559304N	-	7/64	1-1/2	2-5/8
40559305N	40559305B10	1/8	1-5/8	2-3/4
40559306N	40559306B10	9/64	1-3/4	2-7/8
40559307N	40559307B10	5/32	2	3-1/8
40559308N	40559308B10	11/64	2-1/8	3-1/4
40559309N	40559309B10	3/16	2-5/16	3-1/2
40559310N	40559310B10	13/64	2-7/16	3-5/8
40559311N	40559311B10	7/32	2-1/2	3-3/4
40559312N	40559312B10	15/64	2-5/8	3-7/8
40559313N	40559313B10	1/4	2-3/4	4
40559314N	40559314B10	17/64	2-7/8	4-1/8
40559315N	40559315B10	9/32	2-5/16	4-1/4

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40559316N	40559316B5	19/64	3-1/16	4-3/8
40559317N	40559317B5	5/16	3-3/16	4-1/2
40559318N	40559318B5	21/64	3-5/16	4-5/8
40559319N	40559319B5	11/32	3-7/16	4-3/4
40559320N	40559320B5	23/64	3-1/2	4-7/8
40559321N	40559321B5	3/8	3-5/8	5
40559322N	40559322B5	25/64	3-3/4	5-1/8
40559323N	40559323B5	13/32	3-7/8	5-1/4
40559324N	40559324B5	27/64	3-5/16	5-3/8
40559325N	40559325B5	7/16	4-1/16	5-1/2
40559326N	40559326B5	29/64	4-3/16	5-5/8
40559327N	40559327B5	15/32	4-5/16	5-3/4
40559328N	40559328B5	31/64	4-3/8	5-7/8
40559329N	40559329B5	1/2	4-1/2	6



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



### Item No. 405511

#### 21pcs Black & Gold HSS Jobber Length Drill Bits Set in plastic box

contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8 inch



### Item No. 405510

#### 29pcs Black & Gold HSS Jobber Length Drill Bits Set in rose plastic box

contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2 inch



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### Item No. 405503

#### 29pcs Black & Gold HSS Jobber Length Drill Bits Set in metal box

contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2 inch



### 4003 / HSS TWIST DRILL BITS, FULLY GROUND & TIN-COATED



- High speed steel body.
- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Titanium nitride coating lasts up to six times longer than standard high speed steel.
- Titanium decreases friction between bit and work piece, extending the bit life.
- Ideal for production work or repetitive drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40030301N	-	1.0	12	34	40030315N	40030315B5	6.5	63	101
40030302N	-	1.5	18	40	40030316N	40030316B5	7.0	69	109
40030303N	-	2.0	24	49	40030317N	40030317B5	7.5	69	109
40030304N	-	2.5	30	57	40030318N	40030318B5	8.0	75	117
40030305N	40030305B10	3.0	33	61	40030319N	40030319B5	8.5	75	117
40030306N	40030306B10	3.2	36	65	40030320N	40030320B5	9.0	81	125
40030307N	40030307B10	3.5	39	70	40030321N	40030321B5	9.5	81	125
40030308N	40030308B10	4.0	43	75	40030322N	40030322B5	10.0	87	133
40030309N	40030309B10	4.2	43	75	40030323N	40030323B5	10.5	87	133
40030310N	40030310B10	4.5	47	80	40030324N	40030324B5	11.0	94	142
40030311N	40030311B10	4.8	52	86	40030325N	40030325B5	11.5	94	142
40030312N	40030312B10	5.0	52	86	40030326N	40030326B5	12.0	101	151
40030313N	40030313B10	5.5	57	93	40030327N	40030327B5	12.5	101	151
40030314N	40030314B10	6.0	57	93	40030328N	40030328B5	13.0	101	151



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



Item No. 400323

**19pcs Tin-coated HSS Drill Bits Set in rose plastic box**  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



Item No. 400322

**25pcs Tin-coated HSS Drill Bits Set in rose plastic box**  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



Item No. 400313

**19pcs Tin-coated HSS Drill Bits Set in metal box**  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm



Item No. 400306

**25pcs Tin-coated HSS Drill Bits Set in metal box**  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

## 4010 / HSS JOBBER LENGTH DRILL BITS, FULLY GROUND & TIN-COAT



- High speed steel body.
- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Titanium nitride coating lasts up to six times longer than standard high speed steel.
- Titanium decreases friction between bit and work piece, extending the bit life.
- Ideal for production work or repetitive drilling.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40109301N	-	1/16	7/8	1-7/8	40109316N	40109316B5	19/64	3-1/16	4-3/8
40109302N	-	5/64	1	2	40109317N	40109317B5	5/16	3-3/16	4-1/2
40109303N	-	3/32	1-1/4	2-1/4	40109318N	40109318B5	21/64	3-5/16	4-5/8
40109304N	-	7/64	1-1/2	2-5/8	40109319N	40109319B5	11/32	3-7/16	4-3/4
40109305N	40109305B10	1/8	1-5/8	2-3/4	40109320N	40109320B5	23/64	3-1/2	4-7/8
40109306N	40109306B10	9/64	1-3/4	2-7/8	40109321N	40109321B5	3/8	3-5/8	5
40109307N	40109307B10	5/32	2	3-1/8	40109322N	40109322B5	25/64	3-3/4	5-1/8
40109308N	40109308B10	11/64	2-1/8	3-1/4	40109323N	40109323B5	13/32	3-7/8	5-1/4
40109309N	40109309B10	3/16	2-5/16	3-1/2	40109324N	40109324B5	27/64	3-5/16	5-3/8
40109310N	40109310B10	13/64	2-7/16	3-5/8	40109325N	40109325B5	7/16	4-1/16	5-1/2
40109311N	40109311B10	7/32	2-1/2	3-3/4	40109326N	40109326B5	29/64	4-3/16	5-5/8
40109312N	40109312B10	15/64	2-5/8	3-7/8	40109327N	40109327B5	15/32	4-5/16	5-3/4
40109313N	40109313B10	1/4	2-3/4	4	40109328N	40109328B5	31/64	4-3/8	5-7/8
40109314N	40109314B10	17/64	2-7/8	4-1/8	40109329N	40109329B5	1/2	4-1/2	6
40109315N	40109315B10	9/32	2-5/16	4-1/4					



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



### Item No. 401020

**15pcs HSS Tin-coated  
Jobber Length Drill Bits Set  
in rose plastic box**  
contains: 1/16, 3/32, 1/8, 5/32,  
3/16, 7/32, 1/4, 9/32, 5/16, 11/32,  
3/8, 13/32, 7/16, 15/32, 1/2 inch



### Item No. 401017

**21pcs HSS Tin-coated  
Jobber Length Drill Bits Set  
in plastic box**  
contains: 1/16, 5/64, 3/32,  
7/64, 1/8, 9/64, 5/32,  
11/64, 3/16, 13/64, 7/32,  
15/64, 1/4, 17/64, 9/32,  
19/64, 5/16, 21/64, 11/32,  
23/64, 3/8 inch



### Item No. 401023

**29pcs HSS Tin-coated  
Jobber Length Drill Bits Set  
in rose plastic box**  
contains: 1/16, 5/64, 3/32, 7/64,  
1/8, 9/64, 5/32, 11/64, 3/16,  
13/64, 7/32, 15/64, 1/4, 17/64,  
9/32, 19/64, 5/16, 21/64, 11/32,  
23/64, 3/8, 25/64, 13/32, 27/64,  
7/16, 29/64, 15/32, 31/64, 1/2 inch



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### 4025 / HSS-COBALT TWIST DRILL BITS



- Industrial grade cobalt high speed steel.
- 135 degree split point for quick start and no walk application.
- Cobalt gives higher hot strength and wear resistance.
- Ideal for drilling steel, stainless steel, heat resistant steel, cast steel, sintered metal and super alloy.
- Cobalt bits are not designed for general purpose use.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40250301N	-	1.0	12	34	40250315N	40250315B5	6.5	63	101
40250302N	-	1.5	18	40	40250316N	40250316B5	7.0	69	109
40250303N	-	2.0	24	49	40250317N	40250317B5	7.5	69	109
40250304N	-	2.5	30	57	40250318N	40250318B5	8.0	75	117
40250305N	40250305B10	3.0	33	61	40250319N	40250319B5	8.5	75	117
40250306N	40250306B10	3.2	36	65	40250320N	40250320B5	9.0	81	125
40250307N	40250307B10	3.5	39	70	40250321N	40250321B5	9.5	81	125
40250308N	40250308B10	4.0	43	75	40250322N	40250322B5	10.0	87	133
40250309N	40250309B10	4.2	43	75	40250323N	40250323B5	10.5	87	133
40250310N	40250310B10	4.5	47	80	40250324N	40250324B5	11.0	94	142
40250311N	40250311B10	4.8	52	86	40250325N	40250325B5	11.5	94	142
40250312N	40250312B10	5.0	52	86	40250326N	40250326B5	12.0	101	151
40250313N	40250313B10	5.5	57	93	40250327N	40250327B5	12.5	101	151
40250314N	40250314B10	6.0	57	93	40250328N	40250328B5	13.0	101	151

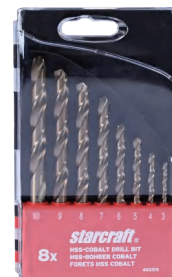


INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



Item No.402510

5pcs HSS Cobalt  
Drill Bits Set  
in plastic box  
contains: 4, 5, 6,  
8, 10mm



Item No.402511

8pcs HSS Cobalt  
Drill Bits Set  
in plastic box  
contains: 3, 4, 5, 6,  
7, 8, 9, 10mm



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX



Item No.402504

19pcs HSS Cobalt Drill Bits  
Set in rose plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4,  
4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5,  
9, 9.5, 10mm



Item No.402505

25pcs HSS Cobalt Drill Bits  
Set in rose plastic box  
contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5,  
5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5,  
10, 10.5, 11, 11.5, 12, 12.5, 13mm

## 4026 HSS-COBALT JOBBER LENGTH DRILL BITS



- Industrial grade cobalt high speed steel.
- 135 degree split point for quick start and no walk application.
- Cobalt for much higher hot hardness and abrasion resistance.
- Ideal for drilling steel, stainless steel, heat resistant steel, cast steel, sintered metal and super alloy.
- Cobalt bits are not designed for general purpose use.

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40269301N	-	1/16	7/8	1-7/8
40269302N	-	5/64	1	2
40269303N	-	3/32	1-1/4	2-1/4
40269304N	-	7/64	1-1/2	2-5/8
40269305N	40269305B10	1/8	1-5/8	2-3/4
40269306N	40269306B10	9/64	1-3/4	2-7/8
40269307N	40269307B10	5/32	2	3-1/8
40269308N	40269308B10	11/64	2-1/8	3-1/4
40269309N	40269309B10	3/16	2-5/16	3-1/2
40269310N	40269310B10	13/64	2-7/16	3-5/8
40269311N	40269311B10	7/32	2-1/2	3-3/4
40269312N	40269312B10	15/64	2-5/8	3-7/8
40269313N	40269313B10	1/4	2-3/4	4
40269314N	40269314B10	17/64	2-7/8	4-1/8
40269315N	40269315B10	9/32	2-5/16	4-1/4

ITEM NO. TRAPPED BLISTER CARD	ITEM NO. PLASTIC BOX	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40269316N	40269316B5	19/64	3-1/16	4-3/8
40269317N	40269317B5	5/16	3-3/16	4-1/2
40269318N	40269318B5	21/64	3-5/16	4-5/8
40269319N	40269319B5	11/32	3-7/16	4-3/4
40269320N	40269320B5	23/64	3-1/2	4-7/8
40269321N	40269321B5	3/8	3-5/8	5
40269322N	40269322B5	25/64	3-3/4	5-1/8
40269323N	40269323B5	13/32	3-7/8	5-1/4
40269324N	40269324B5	27/64	3-5/16	5-3/8
40269325N	40269325B5	7/16	4-1/16	5-1/2
40269326N	40269326B5	29/64	4-3/16	5-5/8
40269327N	40269327B5	15/32	4-5/16	5-3/4
40269328N	40269328B5	31/64	4-3/8	5-7/8
40269329N	40269329B5	1/2	4-1/2	6



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



Item No. 402604

**21pcs HSS Cobalt Jobber Length Drill Bits Set in plastic box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8 inch.



Item No. 402611

**29pcs HSS Cobalt Jobber Length Drill Bits Set in rose plastic box**  
contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64, 1/2 inch.



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC BOX

### 4005 / HSS STUB DRILL BITS, FULLY GROUND, DIN 1897



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD

- Short flute and short overall length for maximum rigidity in machine drilling.
- Extremely resistant for heavy-duty work on automatic boring machines and turret lathes as well as for use in hand drills under extreme conditions.
- Ideal for industrial application in thin sheet metals.
- For drilling steel, cast steel, grey cast iron, malleable iron, sintered metal and low hardness alloyed materials.
- Suitable for hand-held portable drills, turret and automatic lathes.

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40050301N	1.0	6	26	40050312N	5.0	26	62
40050302N	1.5	9	32	40050313N	5.5	28	66
40050303N	2.0	12	38	40050314N	6.0	28	66
40050304N	2.5	14	43	40050315N	6.5	31	70
40050305N	2.8	16	46	40050316N	7.0	34	74
40050306N	3.0	16	49	40050317N	7.5	34	74
40050307N	3.2	18	49	40050318N	8.0	36	79
40050308N	3.5	20	52	40050319N	8.5	36	79
40050309N	4.0	22	55	40050320N	9.0	40	84
40050310N	4.5	24	58	40050321N	9.5	40	84
40050311N	4.8	26	62	40050322N	10.0	43	89

### 4006 / HSS TWIST DRILL BITS, LONG SERIES, DIN340



PACKED IN  
TRAPPED BLISTER CARD  
(100~156mm)



PACKED IN  
POUCH  
(165~205mm)

- A straight shank, high quality drill bit.
- Long design for drilling deep holes through metal with maximum precision.
- Ideal for industrial application.
- For drilling steel, cast steel, grey cast iron, malleable iron, sintered metal and low hardness alloyed materials.
- For use in drill stands and drill drivers.

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40060301N	3.0	66	100	40060313P	8.0	109	165
40060302N	3.2	69	106	40060314P	8.5	109	165
40060303N	3.5	73	112	40060315P	9.0	115	175
40060304N	4.0	78	119	40060316P	9.5	115	175
40060305N	4.5	82	126	40060317P	10.0	121	184
40060306N	4.8	87	132	40060318P	10.5	121	184
40060307N	5.0	87	132	40060319P	11.0	128	195
40060308N	5.5	91	139	40060320P	11.5	128	195
40060309N	6.0	91	139	40060321P	12.0	134	205
40060310N	6.5	97	148	40060322P	12.5	134	205
40060311N	7.0	102	156	40060323P	13.0	134	205
40060312N	7.5	102	156				

# DRILL BITS

## METAL DRILL BITS



### 4011 HSS WIRE GAUGE DRILL BITS



- Manufactured to ANSI standard.
- 135 degree split point (118 degree point available).
- Numbered from 1 to 80 (large to small)
- Used where more precisely hole sizing is required in sizes under 15/64-in.
- Ideal for tap drills.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.
- Used with a hand drill, power drill, or pin vise.



**Item No. 401101**  
**60pcs HSS Jobber Length Drill Bits-Wire Gauge Sizes**  
**Set in metal box**  
 Contains: 1 to 80

ITEM NO.	NUMBER	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	NUMBER	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	NUMBER	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40119301N	1	2-5/8	3-7/8	40119328N	28	1-3/4	2-7/8	40119355N	55	7/8	1-7/8
40119302N	2	2-5/8	3-7/8	40119329N	29	1-3/4	2-7/8	40119356N	56	3/4	1-3/4
40119303N	3	2-1/2	3-3/4	40119330N	30	1-5/8	2-3/4	40119357N	57	3/4	1-3/4
40119304N	4	2-1/2	3-3/4	40119331N	31	1-5/8	2-3/4	40119358N	58	11/16	1-1/8
40119305N	5	2-1/2	3-3/4	40119332N	32	1-5/8	2-3/4	40119359N	59	11/16	1-1/8
40119306N	6	2-1/2	3-3/4	40119333N	33	1-1/2	2-5/8	40119360N	60	11/16	1-1/8
40119307N	7	2-7/16	3-5/8	40119334N	34	1-1/2	2-5/8	40119361N	61	11/16	1-1/8
40119308N	8	2-7/16	3-5/8	40119335N	35	1-1/2	2-5/8	40119362N	62	5/8	1-1/2
40119309N	9	2-7/16	3-5/8	40119336N	36	1-7/16	2-1/2	40119363N	63	5/8	1-1/2
40119310N	10	2-7/16	3-5/8	40119337N	37	1-7/16	2-1/2	40119364N	64	5/8	1-1/2
40119311N	11	2-5/16	3-1/2	40119338N	38	1-7/16	2-1/2	40119365N	65	5/8	1-1/2
40119312N	12	2-5/16	3-1/2	40119339N	39	1-3/8	2-3/8	40119366N	66	1/2	1-3/8
40119313N	13	2-5/16	3-1/2	40119340N	40	1-3/8	2-3/8	40119367N	67	1/2	1-3/8
40119314N	14	2-3/16	3-3/8	40119341N	41	1-3/8	2-3/8	40119368N	68	1/2	1-3/8
40119315N	15	2-3/16	3-3/8	40119342N	42	1-1/4	2-1/4	40119369N	69	1/2	1-3/8
40119316N	16	2-3/16	3-3/8	40119343N	43	1-1/4	2-1/4	40119370N	70	3/8	1-1/4
40119317N	17	2-3/16	3-3/8	40119344N	44	1-1/8	2-1/8	40119371N	71	3/8	1-1/4
40119318N	18	2-1/8	3-1/4	40119345N	45	1-1/8	2-1/8	40119372N	72	5/16	1-1/8
40119319N	19	2-1/8	3-1/4	40119346N	46	1-1/8	2-1/8	40119373N	73	5/16	1-1/8
40119320N	20	2-1/8	3-1/4	40119347N	47	1	2	40119374N	74	1/4	1
40119321N	21	2-1/8	3-1/4	40119348N	48	1	2	40119375N	75	1/4	1
40119322N	22	2	3-1/8	40119349N	49	1	2	40119376N	76	3/16	7/8
40119323N	23	2	3-1/8	40119350N	50	1	2	40119377N	77	3/16	7/8
40119324N	24	2	3-1/8	40119351N	51	1	2	40119378N	78	3/16	7/8
40119325N	25	1-7/8	3	40119352N	52	7/8	1-7/8	40119379N	79	1/8	3/4
40119326N	26	1-7/8	3	40119353N	53	7/8	1-7/8	40119380N	80	1/8	3/4
40119327N	27	1-7/8	3	40119354N	54	7/8	1-7/8				

### 4012 HSS JOBBER LENGTH DRILL BITS-LETTER SIZES



- High speed steel body.
- Manufactured to ANSI standard.
- 118 degree point angle.
- Lettered from A to Z (small to large)
- Used where more precisely sized holes are required in large sizes than number drill.
- Ideal for tap drill.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.



**Item No. 401201**  
**26pcs HSS Jobber Length Drill Bits Set,**  
**Black Oxide in metal box**  
 Contains: A to Z

ITEM NO.	DIA.	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA.	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	NUMBER	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40129301N	A	2-5/8	3-7/8	40129310N	J	2-7/8	4-1/8	40129319N	S	3-1/2	4-7/8
40129302N	B	2-3/4	4	40129311N	K	2-15/16	4-1/4	40129320N	T	3-1/2	4-7/8
40129303N	C	2-3/4	4	40129312N	L	2-15/16	4-1/4	40129321N	U	3-5/8	5
40129304N	D	2-3/4	4	40129313N	M	3-1/16	4-3/8	40129322N	V	3-5/8	5
40129305N	E	2-3/4	4	40129314N	N	3-1/16	4-3/8	40129323N	W	3-3/4	5-1/8
40129306N	F	2-7/8	4-1/8	40129315N	O	3-3/16	4-1/2	40129324N	X	3-3/4	5-1/8
40129307N	G	2-7/8	4-1/8	40129316N	P	3-5/16	4-5/8	40129325N	Y	3-7/8	5-1/4
40129308N	H	2-7/8	4-1/8	40129317N	Q	3-7/16	4-3/4	40129326N	Z	3-7/8	5-1/4
40129309N	I	2-7/8	4-1/8	40129318N	R	3-7/16	4-3/4				

### 4013 HSS MORSE TAPER SHANK DRILL BITS

- 118 degree point angle.
- Bright finish.
- High performance HSS special drill bit with morse taper shank for high precision drilling of larger bore diameter.
- For drilling steel, alloyed steel, all common working steel.
- Install the Morse taper shank directly into the tapered spindle on machines such as drill presses and lathes.



ITEM NO.	TAPER SHANK NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	TAPER SHANK NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	TAPER SHANK NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40130301N	1	6.0	57	138	40130331N	2	20.5	145	243	40130361N	4	35.5	190	339
40130302N	1	6.5	63	144	40130332N	2	21.0	145	243	40130362N	4	36.0	195	344
40130303N	1	7.0	69	150	40130333N	2	21.5	150	248	40130363N	4	36.5	195	344
40130304N	1	7.5	69	150	40130334N	2	22.0	150	248	40130364N	4	37.0	195	344
40130305N	1	8.0	75	156	40130335N	2	22.5	155	253	40130365N	4	37.5	195	344
40130306N	1	8.5	75	156	40130336N	2	23.0	155	253	40130366N	4	38.0	200	349
40130307N	1	9.0	81	162	40130337N	3	23.5	155	276	40130367N	4	38.5	200	349
40130308N	1	9.5	81	162	40130338N	3	24.0	160	281	40130368N	4	39.0	200	349
40130309N	1	10.0	87	168	40130339N	3	24.5	160	281	40130369N	4	39.5	200	349
40130310N	1	10.5	87	168	40130340N	3	25.0	160	281	40130370N	4	40.0	200	349
40130311N	1	11.0	94	175	40130341N	3	25.5	165	286	40130371N	4	40.5	200	349
40130312N	1	11.5	94	175	40130342N	3	26.0	165	286	40130372N	4	41.0	205	354
40130313N	1	12.0	101	182	40130343N	3	26.5	165	286	40130373N	4	41.5	205	354
40130314N	1	12.5	101	182	40130344N	3	27.0	170	291	40130374N	4	42.0	205	354
40130315N	1	12.75	101	182	40130345N	3	27.5	170	291	40130375N	4	42.5	205	354
40130316N	1	13.0	101	182	40130346N	3	28.0	170	291	40130376N	4	43.0	210	359
40130317N	1	13.5	108	189	40130347N	3	28.5	170	291	40130377N	4	43.5	210	359
40130318N	1	14.0	108	189	40130348N	3	29.0	175	296	40130378N	4	44.0	210	359
40130319N	2	14.5	114	212	40130349N	3	29.5	175	296	40130379N	4	44.5	210	359
40130320N	2	15.0	114	212	40130350N	3	30.0	175	296	40130380N	4	45.0	210	359
40130321N	2	15.5	120	218	40130351N	3	30.5	180	301	40130381N	4	45.5	215	364
40130322N	2	16.0	120	218	40130352N	3	31.0	180	301	40130382N	4	46.0	215	364
40130323N	2	16.5	125	223	40130353N	4	31.5	180	301	40130383N	4	46.5	215	364
40130324N	2	17.0	125	223	40130354N	4	32.0	185	334	40130384N	4	47.0	215	364
40130325N	2	17.5	130	228	40130355N	4	32.5	185	334	40130385N	4	47.5	215	364
40130326N	2	18.0	130	228	40130356N	4	33.0	185	334	40130386N	4	48.0	220	369
40130327N	2	18.5	135	233	40130357N	4	33.5	185	334	40130387N	4	48.5	220	369
40130328N	2	19.0	135	233	40130358N	4	34.0	190	339	40130388N	4	49.0	220	369
40130329N	2	19.5	140	238	40130359N	4	34.5	190	339	40130389N	4	49.5	220	369
40130330N	2	20.0	140	238	40130360N	4	35.0	190	339	40130390N	4	50.0	220	369

### 4016 HSS DOUBLE END DRILL BITS

- Short flute and short overall length for maximum rigidity in machine drilling.
- Extremely resistant for heavy-duty work on automatic boring machines and turret lathes as well as for use in hand drills under extreme conditions.
- Ideal for industrial application in thin sheet metals.
- For drilling steel, cast steel, grey cast iron, malleable iron, sintered metal and low hardness alloyed materials.



ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40160301N	2	8	38	40169301N	1/16	3/8	1-1/2	40169312N	#11	5/8	2-5/16
40160302N	2.5	10	43	40169302N	5/64	3/8	1-1/2	40169313N	#20	5/8	2-3/16
40160303N	3	11	46	40169303N	3/32	3/8	1-11/16	40169314N	#26	5/8	2-1/16
40160304N	3.2	11	49	40169304N	7/64	1/2	1-13/16	40169315N	#27	5/8	2-1/16
40160305N	3.5	14	52	40169305N	1/8	1/2	1-13/16	40169316N	#30	1/2	1-13/16
40160306N	4	14	55	40169306N	9/64	5/8	2-1/16				
40160307N	4.5	17	58	40169307N	5/32	5/8	2-3/16				
40160308N	5	17	62	40169308N	3/16	5/8	2-5/16				
40160309N	5.5	19	66	40169309N	7/32	3/4	2-5/8				
40160310N	6	19	66	40169310N	1/4	3/4	2-7/8				
40160311N	6.5	22	70	40169311N	#7	5/8	2-5/16				

# DRILL BITS

## METAL DRILL BITS



### 4028 HSS MORSE TAPER SHANK DRILL BITS

- 118 degree point angle.
- Bright finish.
- High performance HSS special drill bit with morse taper shank for high precision drilling of larger bore diameter.
- For drilling steel, alloyed steel, all common working steel.
- Install the Morse taper shank directly into the tapered spindle on machines such as drill presses and lathes.



ITEM NO.	TAPER SHANK NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	TAPER SHANK NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	TAPER SHANK NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40289301N	1	3/16	2-1/2	5-3/4	40289331N	2	21/32	5-1/8	9	40289361N	4	1-7/32	7-1/2	13-1/8
40289302N	1	13/64	2-3/4	6	40289332N	2	43/64	5-3/8	9-1/4	40289362N	4	1-15/64	7-7/8	13-1/2
40289303N	1	7/32	2-3/4	6	40289333N	2	11/16	5-3/8	9-1/4	40289363N	4	1-1/4	7-7/8	13-1/2
40289304N	1	15/64	2-7/8	6-1/8	40289334N	2	45/64	5-5/8	9-1/2	40189364N	4	1-9/32	8-1/2	14-1/8
40289305N	1	1/4	2-7/8	6-1/8	40289335N	2	23/32	5-5/8	9-1/2	40289365N	4	1-5/16	8-5/8	14-1/4
40289306N	1	17/64	3	6-1/4	40289336N	2	47/64	5-7/8	9-3/4	40289366N	4	1-11/32	8-3/4	14-3/8
40289307N	1	9/32	3	6-1/4	40289337N	2	3/4	5-7/8	9-3/4	40289367N	4	1-3/8	8-7/8	14-1/2
40289308N	1	19/64	3-1/8	6-3/8	40289338N	2	49/64	6	9-7/8	40289368N	4	1-13/32	9	14-5/8
40289309N	1	5/16	3-1/8	6-3/8	40289339N	2	25/32	6	9-7/8	40289369N	4	1-7/16	9-1/8	14-3/4
40289310N	1	21/64	3-1/4	6-1/2	40289340N	3	13/16	6-1/8	10-3/4	40289370N	4	1-15/32	9-1/4	14-7/8
40289311N	1	11/32	3-1/4	6-1/2	40289341N	3	27/32	6-1/8	10-3/4	40289371N	4	1-1/2	9-3/8	15
40289312N	1	23/64	3-1/2	6-3/4	40289342N	3	7/8	6-1/8	10-3/4	40289372N	5	1-9/16	9-5/8	16-5/8
40289313N	1	3/8	3-1/2	6-3/4	40289343N	3	57/64	6-1/8	10-3/4	40289373N	5	1-19/32	9-7/8	16-7/8
40289314N	1	25/64	3-5/8	7	40289344N	3	29/32	6-1/8	10-3/4	40289374N	5	1-5/8	10	17
40289315N	1	13/32	3-5/8	7	40289345N	3	59/64	6-1/8	10-3/4	40289375N	5	1-21/32	10-1/8	17-1/8
40289316N	1	27/64	3-7/8	7-1/4	40289346N	3	15/16	6-1/8	10-3/4	40289376N	5	1-11/16	10-1/8	17-1/8
40289317N	1	7/16	3-7/8	7-1/4	40289347N	3	61/64	6-3/8	11	40289377N	5	1-23/32	10-1/8	17-1/8
40289318N	1	29/64	4-1/8	7-1/2	40289348N	3	31/32	6-3/8	11	40289378N	5	1-3/4	10-1/8	17-1/8
40289319N	1	15/32	4-1/8	7-1/2	40289349N	3	1	6-3/8	11	40289379N	5	1-25/32	10-1/8	17-1/8
40289320N	2	31/64	4-3/8	8-1/4	40289350N	3	1-1/32	6-1/2	11-1/8	40289380N	5	1-13/16	10-1/8	17-1/8
40289321N	2	1/2	4-3/8	8-1/4	40289351N	3	1-1/16	6-5/8	11-1/4	40289381N	5	1-27/32	10-1/8	17-1/8
40289322N	2	33/64	4-5/8	8-1/2	40289352N	4	1-5/64	6-7/8	12-1/2	40289382N	5	1-7/8	10-3/8	17-1/8
40289323N	2	17/32	4-5/8	8-1/2	40289353N	4	1-3/32	6-7/8	12-1/2	40289383N	5	1-29/32	10-3/8	17-3/8
40289324N	2	35/64	4-7/8	8-3/4	40289354N	4	1-7/64	7-1/8	12-3/4	40289384N	5	1-15/16	10-3/8	17-3/8
40289325N	2	9/16	4-7/8	8-3/4	40289355N	4	1-1/8	7-1/8	12-3/4	40289385N	5	1-31/32	10-3/8	17-3/8
40289326N	2	37/64	4-7/8	8-3/4	40289356N	4	1-9/64	7-1/4	12-7/8	40289386N	5	2	10-3/8	17-3/8
40289327N	2	19/32	4-7/8	8-3/4	40289357N	4	1-5/32	7-1/4	12-7/8	40289387N	5	2-1/8	10-1/4	17-3/8
40289328N	2	39/64	4-7/8	8-3/4	40289358N	4	1-11/64	7-3/8	13	40289388N	5	2-1/4	10-1/8	17-3/8
40289329N	2	5/8	4-7/8	8-3/4	40289359N	4	1-3/16	7-3/8	13	40289389N	5	2-3/4	12-3/4	20-3/8
40289330N	2	41/64	5-1/8	9	40289360N	4	1-13/64	7-1/2	13-1/8	40289390N	5	3	14	21-3/4

### 4023 HSS SCREW MACHINE LENGTH DRILL BITS

- This drills have flutes and cutting points on both ends. This allows the user with the ability to reverse the drill and utilize both ends.
- 135 split point starts drilling immediately.
- Twice as many holes as a single end drill bit.
- Used primarily in small machine shops and automatic body shops for drilling holes for sheet metal screws or rivets.
- For drilling thin sheet metals, steel sheet, sheet brass, sheet aluminum and plastic sheets.



ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40239301N	3/64	1/2	1-3/8	40239311N	13/64	1-3/16	2-1/4	40239321N	23/64	1-3/4	3-1/16
40239302N	1/16	5/8	1-5/8	40239312N	7/32	1-1/4	2-3/8	40239322N	3/8	1-13/16	3-1/8
40239303N	5/64	11/16	1-11/16	40239313N	15/64	1-5/16	2-7/16	40239323N	25/64	1-7/8	3-1/4
40239304N	3/32	3/4	1-3/4	40239314N	1/4	1-3/8	2-1/2	40239324N	13/32	1-15/16	3-5/16
40239305N	7/64	13/16	1-13/16	40239315N	17/64	1-7/16	2-5/8	40239325N	27/64	2	3-3/8
40239306N	1/8	7/8	1-7/8	40239316N	9/32	1-1/2	2-11/16	40239326N	7/16	2-1/16	3-7/16
40239307N	9/64	15/16	1-15/16	40239317N	19/64	1-9/16	2-3/4	40239327N	29/64	2-1/8	3-9/16
40239308N	5/32	1	2-1/16	40239318N	5/16	1-5/8	2-13/16	40239328N	15/32	2-1/8	3-5/8
40239309N	11/64	1-1/16	2-1/8	40239319N	21/64	1-11/16	2-15/16	40239329N	31/64	2-3/16	3-11/16
40239310N	3/16	1-1/8	2-3/16	40239320N	11/32	1-11/16	3	40239330N	1/2	2-1/4	3-3/4

### 4014 / HSS SILVER AND DEMING DRILL BITS - 1/2" REDUCED SHANK



- Manufactured to ANSI standard.
- Industrial quality.
- 118 degree point center easily and requires a minimum of feed pressure.
- All drills are 6" in length with 1/2" reduced shank.
- Fits all 1/2" or larger drills and drill presses.
- Ideal for drilling in low and medium tensile strength materials.

ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40149301T	1/2	3	6	40149328T	59/64	3	6	40149355T	1-11/32	3	6
40149302T	33/64	3	6	40149329T	15/16	3	6	40149356T	1-23/64	3	6
40149303T	17/32	3	6	40149330T	61/64	3	6	40149357T	1-3/8	3	6
40149304T	35/64	3	6	40149331T	31/32	3	6	40149358T	1-25/64	3	6
40149305T	9/16	3	6	40149332T	63/64	3	6	40149359T	1-13/32	3	6
40149306T	37/64	3	6	40149333T	1	3	6	40149360T	1-27/64	3	6
40149307T	19/32	3	6	40149334T	1-1/64	3	6	40149361T	1-7/16	3	6
40149308T	39/64	3	6	40149335T	1-1/32	3	6	40149362T	1-29/64	3	6
40149309T	5/8	3	6	40149336T	1-3/64	3	6	40149363T	1-15/32	3	6
40149310T	41/64	3	6	40149337T	1-1/16	3	6	40149364T	1-31/64	3	6
40149311T	21/32	3	6	40149338T	1-5/64	3	6	40149365T	1-1/2	3	6
40149312T	43/64	3	6	40149339T	1-3/32	3	6	40149366T	1-17/32	3	6
40149313T	11/16	3	6	40149340T	1-7/64	3	6	40149367T	1-9/16	3	6
40149314T	45/64	3	6	40149341T	1-1/8	3	6	40149368T	1-19/32	3	6
40149315T	23/32	3	6	40149342T	1-9/64	3	6	40149369T	1-5/8	3	6
40149316T	47/64	3	6	40149343T	1-5/32	3	6	40149370T	1-21/32	3	6
40149317T	3/4	3	6	40149344T	1-11/64	3	6	40149371T	1-11/16	3	6
40149318T	49/64	3	6	40149345T	1-3/16	3	6	40149372T	1-23/32	3	6
40149319T	25/32	3	6	40149346T	1-13/64	3	6	40149373T	1-3/4	3	6
40149320T	51/64	3	6	40149347T	1-7/32	3	6	40149374T	1-25/32	3	6
40149321T	13/16	3	6	40149348T	1-15/64	3	6	40149375T	1-13/16	3	6
40149322T	53/64	3	6	40149349T	1-1/4	3	6	40149376T	1-27/32	3	6
40149323T	27/32	3	6	40149350T	1-17/64	3	6	40149377T	1-7/8	3	6
40149324T	55/64	3	6	40149351T	1-9/32	3	6	40149378T	1-29/32	3	6
40149325T	7/8	3	6	40149352T	1-19/64	3	6	40149379T	1-15/16	3	6
40149326T	57/64	3	6	40149353T	1-5/16	3	6	40149380T	1-31/32	3	6
40149327T	29/32	3	6	40149354T	1-21/64	3	6	40149381T	2	3	6



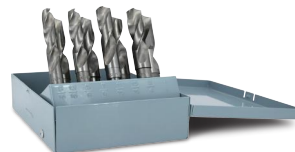
#### 401402

**8pcs 1/2-in. Shank Black Oxide HSS Silver & Deming Drill Bits Set in metal box**  
contains: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 inch



#### 401403

**8pcs 1/2-in. Shank HSS Silver & Deming Drill Bits Set, Edge Polished in metal box**  
contains: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 inch



#### 401404

**8pcs 1/2-in. Shank HSS Silver & Deming Drill Bits Set, Tin-coated in metal box**  
contains: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 inch



#### 401405

**8pcs 1/2-in. Shank HSS Silver & Deming Drill Bits Set, Edge Polished in metal box**  
contains: 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 inch

### 4063 / HSS LONG BOY DRILLS BITS, 1/2 3-FLAT SHANK



Material: HSS

- Long boys are bright finished, 118° point, high speed steel drills.
- Flute area is 9" long for general purpose extra deep drilling in wood, metal and plastic.

ITEM NO.	DIAMETER (INCH)	SHANK DIA (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	DIAMETER (INCH)	SHANK DIA (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40639301N	1/2	1/2	9	12	40639307N	7/8	1/2	9	12
40639302N	9/16	1/2	9	12	40639308N	15/16	1/2	9	12
40639303N	5/8	1/2	9	12	40639309N	1	1/2	9	12
40639304N	11/16	1/2	9	12	40639310N	1-1/16	1/2	9	12
40639305N	3/4	1/2	9	12	40639311N	1-1/8	1/2	9	12
40639306N	13/16	1/2	9	12	40639312N	1-1/4	1/2	9	12

# DRILL BITS METAL DRILL BITS

## 4038 HSS TWIST DRILL BITS, FULLY GROUND



- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Fully ground body, black oxide for the most accurate hole dimensions and high concentricity.
- Hardened high speed steel body provides additional safeguard.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.



**Item No.403802**

**19pcs Fully Ground & Black Oxide HSS Drill Bits Set in rose plastic box**

contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10mm



**Item No.403803**

**25pcs Fully Ground & Black Oxide HSS Drill Bits Set in rose plastic box**

contains: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13mm

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40380301N	1.0	12	34
40380302N	1.5	18	40
40380303N	2.0	24	49
40380304N	2.5	30	57
40380305N	3.0	33	61
40380306N	3.2	36	65
40380307N	3.5	39	70
40380308N	4.0	43	75
40380309N	4.2	43	75
40380310N	4.5	47	80
40380311N	4.8	52	86
40380312N	5.0	52	86
40380313N	5.5	57	93
40380314N	6.0	57	93

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40380315N	6.5	63	101
40380316N	7.0	69	109
40380317N	7.5	69	109
40380318N	8.0	75	117
40380319N	8.5	75	117
40380320N	9.0	81	125
40380321N	9.5	81	125
40380322N	10.0	87	133
40380323N	10.5	87	133
40380324N	11.0	94	142
40380325N	11.5	94	142
40380326N	12.0	101	151
40380327N	12.5	101	151
40380328N	13.0	101	151

\* 13pcs in rose plastic box available.



**Item No.403812**

**5pcs Fully Ground & Black Oxide HSS Drill Bits Set in plastic box**

contains: 4, 5, 6, 8, 10mm



**Item No.403813**

**8pcs Fully Ground & Black Oxide HSS Drill Bits Set in plastic box**

contains: 3, 4, 5, 6, 7, 8, 9, 10mm

## 4039 HSS JOBBER LENGTH DRILL BITS, FULLY GROUND



- 135 degree split point starts on contact in all types of metal, no walking or skating.
- Fully ground body, black oxide for the most accurate hole dimensions and high concentricity.
- Hardened high speed steel body provides additional safeguard.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40399301N	1/16	7/8	1-7/8
40399302N	5/64	1	2
40399303N	3/32	1-1/4	2-1/4
40399304N	7/64	1-1/2	2-5/8
40399305N	1/8	1-5/8	2-3/4
40399306N	9/64	1-3/4	2-7/8
40399307N	5/32	2	3-1/8
40399308N	11/64	2-1/8	3-1/4
40399309N	3/16	2-5/16	3-1/2
40399310N	13/64	2-7/16	3-5/8
40399311N	7/32	2-1/2	3-3/4
40399312N	15/64	2-5/8	3-7/8
40399313N	1/4	2-3/4	4
40399314N	17/64	2-7/8	4-1/8
40399315N	9/32	2-5/16	4-1/4

ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40399316N	19/64	3-1/16	4-3/8
40399317N	5/16	3-3/16	4-1/2
40399318N	21/64	3-5/16	4-5/8
40399319N	11/32	3-7/16	4-3/4
40399320N	23/64	3-1/2	4-7/8
40399321N	3/8	3-5/8	5
40399322N	25/64	3-3/4	5-1/8
40399323N	13/32	3-7/8	5-1/4
40399324N	27/64	3-5/16	5-3/8
40399325N	7/16	4-1/16	5-1/2
40399326N	29/64	4-3/16	5-5/8
40399327N	15/32	4-5/16	5-3/4
40399328N	31/64	4-3/8	5-7/8
40399329N	1/2	4-1/2	6



**Item No.403902**

**21pcs Fully Ground & Black Oxide HSS Jobber Length Drill Bits Set in plastic box**

contains: 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8 inch

\* 13pcs in plastic box & 29pcs in rose plastic box available.

### 4034 / HSS TWIST STEP DRILL BITS

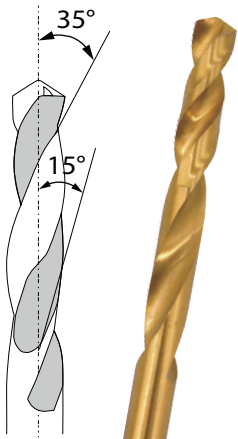


- Made of High Speed Steel for longer life.
- Available in two popular cutting angles: 90 degree or 180 degree flat step.
- Drill and Countersink or Counterbore in one operation, clearance for the head and body of various types of screw.
- For high production in wood, plastic and metal.
- Drills the pilot hole and the counterbore for your pocket-hole face frame assembly. An excellent complement to the pocket hole guide.

#### DIN8376

ITEM NO. (90°)	ITEM NO. (180°)	SCREW SIZE	MAJOR DIA. (MM)	MINOR DIA. (MM)	PILOT LENGTH (MM)	FLUTE LENGTH (MM)	OVERALL LENGTH (MM)
40340305N	40340315N	M3	6.0	3.4	9.0	57.0	93.0
40340306N	40340316N	M4	8.0	4.5	11.0	75.0	117.0
40340307N	40340317N	M5	10.0	5.5	13.0	87.0	133.0
40340308N	40340318N	M6	11.0	6.6	15.0	94.0	142.0
40340309N	40340319N	M8	15.0	9.0	19.0	142.0	169.0
40340310N	40340320N	M10	19.0	11.0	23.0	135.0	198.0
ITEM NO. (90°)	ITEM NO. (180°)	SCREW SIZE	MAJOR DIA. (INCH)	MINOR DIA. (INCH)	PILOT LENGTH (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40349305N	40349325N	NO.4	7/32	.136	3/8	2-1/2	3-3/4
40349306N	40349326N	NO.5	0.228	.141	3/8	2-5/8	3-7/8
40349307N	40349327N	NO.6	1/4	.150	1/2	2-3/4	4
40349308N	40349328N	NO.8	L	.178	1/2	2-15/16	4-1/4
40349309N	40349329N	NO.10	Q	.204	5/8	3-7/16	4-3/4
40349310N	40349330N	1/4	13/32	9/32	11/16	3-7/8	5-1/4
40349311N	40349331N	5/16	1/2	11/32	3/4	4-1/2	6
40349312N	40349332N	3/8	19/32	13/32	7/8	5-3/16	7-1/8
40349313N	40349333N	7/16	11/16	11/32	1	5-5/8	7-5/8
40349314N	40349334N	1/2	25/32	17/32	1	3-1/4	5-1/8
40349315N	40349335N	5/8	31/32	21/32	1	3-7/8	5-7/8

### 4071 / HSS TWIST DRILL BITS WITH VARIABLE HELIX



Variable helix



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD

- Variable helix with 35-15 degree fluted geometry for faster material removal.
- Thicker tapered web increases flute durability.
- 135 degree split point for accurate centering and quicker penetration.
- Titanium nitride coating lasts 2 times longer than black oxide HSS drill bits.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

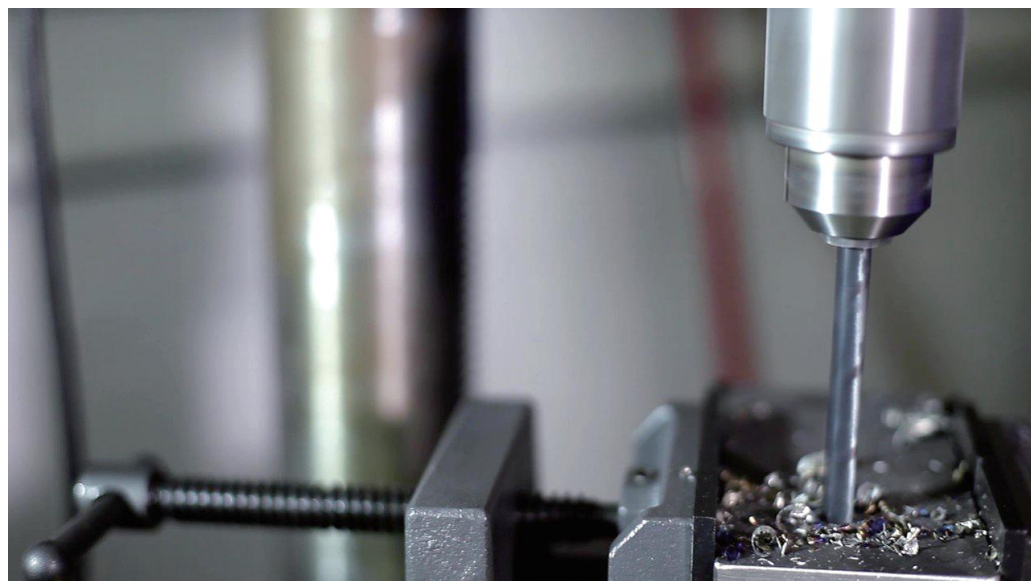
ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40710301N	1.0	12	34	40719301N	1/16	7/8	1-7/8
40710302N	1.5	18	40	40719302N	5/64	1	2
40710303N	2.0	24	49	40719303N	3/32	1-1/4	2-1/4
40710304N	2.5	30	57	40719304N	7/64	1-1/2	2-5/8
40710305N	3.0	33	61	40719305N	1/8	1-5/8	2-3/4
40710306N	3.2	36	65	40719306N	9/64	1-3/4	2-7/8
40710307N	3.5	39	70	40719307N	5/32	2	3-1/8
40710308N	4.0	43	75	40719308N	11/64	2-1/8	3-1/4
40710309N	4.2	43	75	40719309N	3/16	2-5/16	3-1/2
40710310N	4.5	47	80	40719310N	13/64	2-7/16	3-5/8
40710311N	4.8	52	86	40719311N	7/32	2-1/2	3-3/4
40710312N	5.0	52	86	40719312N	15/64	2-5/8	3-7/8
40710313N	5.5	57	93	40719313N	1/4	2-3/4	4
40710314N	6.0	57	93	40719314N	17/64	2-7/8	4-1/8
40710315N	6.5	63	101	40719315N	9/32	2-5/16	4-1/4
40710316N	7.0	69	109	40719316N	19/64	3-1/16	4-3/8
40710317N	7.5	69	109	40719317N	5/16	3-3/16	4-1/2
40710318N	8.0	75	117	40719318N	21/64	3-5/16	4-5/8
40710319N	8.5	75	117	40719319N	11/32	3-7/16	4-3/4
40710320N	9.0	81	125	40719320N	23/64	3-1/2	4-7/8
40710321N	9.5	81	125	40719321N	3/8	3-5/8	5
40710322N	10.0	87	133	40719322N	25/64	3-3/4	5-1/8
40710323N	10.5	87	133	40719323N	13/32	3-7/8	5-1/4
40710324N	11.0	94	142	40719324N	27/64	3-5/16	5-3/8
40710325N	11.5	94	142	40719325N	7/16	4-1/16	5-1/2
40710326N	12.0	101	151	40719326N	29/64	4-3/16	5-5/8
40710327N	12.5	101	151	40719327N	15/32	4-5/16	5-3/4
40710328N	13.0	101	151	40719328N	31/64	4-3/8	5-7/8
				40719329N	1/2	4-1/2	6

**4057 / AIRCRAFT EXTENSION DRILLS**

- Aircraft extension drills are surface treated, high speed steel with 135 Quick-Cut points that will not “walk” or “wander”.
- Designed for drilling through materials less than 4” thick.
- Extension drills are used in areas where extra reach is important.

**Material: HSS, HSS-CO**

ITEM NO. (HSS)	DIAMETER (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)	ITEM NO. (HSS)	DIAMETER (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40579301P	1/16	7/8	6	40579330P	1/8	1-5/8	12
40579302P	5/64	1	6	40579331P	9/64	1-3/4	12
40579303P	3/32	1-1/4	6	40579332P	5/32	2	12
40579304P	7/64	1-1/2	6	40579333P	11/64	2-1/8	12
40579305P	1/8	1-5/8	6	40579334P	3/16	2-5/16	12
40579306P	9/64	1-3/4	6	40579335P	13/64	2-7/16	12
40579307P	5/32	2	6	40579336P	7/32	2-1/2	12
40579308P	11/64	2-1/8	6	40579337P	15/64	2-5/8	12
40579309P	3/16	2-5/16	6	40579338P	1/4	2-3/4	12
40579310P	13/64	2-7/16	6	40579339P	19/64	2-7/8	12
40579311P	7/32	2-1/2	6	40579340P	9/32	2-15/16	12
40579312P	15/64	2-5/8	6	40579341P	19/64	3-1/16	12
40579313P	1/4	2-3/4	6	40579342P	5/16	3-3/16	12
40579314P	19/64	2-7/8	6	40579343P	21/64	3-5/16	12
40579315P	9/32	2-15/16	6	40579344P	11/32	3-7/16	12
40579316P	19/64	3-1/16	6	40579345P	23/64	3-1/2	12
40579317P	5/16	3-3/16	6	40579346P	3/8	3-5/8	12
40579318P	21/64	3-5/16	6	40579347P	25/64	3-3/4	12
40579319P	11/32	3-7/16	6	40579348P	13/32	3-7/8	12
40579320P	23/64	3-1/2	6	40579349P	27/64	3-15/16	12
40579321P	3/8	3-5/8	6	40579350P	7/16	4-1/16	12
40579322P	25/64	3-3/4	6	40579351P	29/64	4-3/16	12
40579323P	13/32	3-7/8	6	40579352P	15/32	4-5/16	12
40579324P	27/64	3-15/16	6	40579353P	31/64	4-3/8	12
40579325P	7/16	4-1/16	6	40579354P	1/2	4-1/2	12
40579326P	29/64	4-3/16	6				
40579327P	15/32	4-5/16	6				
40579328P	31/64	4-3/8	6				
40579329P	1/2	4-1/2	6				



### 4073 / HSS STUBBY LENGTH DRILL BITS WITH 1/4" HEX QUICK CHANGE SHANK



- One-piece construction withstands higher torque loads than standard quick-change bits.
- Stubby length for drilling holes in hard to reach areas and confined spaces.
- Shorter flute length and shorter overall length results in a more rigid drill bit, reducing deflection and breakage.
- 1/4" hex quick change shank fits both drill and impact drivers.
- For drilling in steel, cast steel, metals and plastics.
- Perfect for use in right angle drills.

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40730301N	2.0	16	47	40739301N	3/32	5/8	1-7/8
40730302N	3.0	16	47	40739302N	1/8	5/8	1-17/8
40730303N	3.2	16	47	40739303N	9/64	5/8	1-7/8
40730304N	3.3	16	47	40739304N	5/32	13/16	2-1/8
40730305N	3.5	16	47	40739305N	11/64	13/16	2-1/8
40730306N	4.0	20	53	40739306N	3/16	1-1/64	2-5/16
40730307N	4.2	20	53	40739307N	7/32	1-1/64	2-5/16
40730308N	4.5	20	53	40739308N	1/4	1-1/64	2-5/16
40730309N	4.8	26	59	40739309N	5/16	1-1/4	2-5/16
40730310N	5.0	26	59	40739310N	3/8	1-3/4	3-1/4
40730311N	5.5	26	59				
40730312N	6.0	26	59				
40730313N	6.5	26	59				
40730314N	7.0	30	59				
40730315N	8.0	32	60				
40730316N	9.0	45	83				
40730317N	10.0	50	87				



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD



**4062 1/4" HEX QUICK CHANGE SHANK HSS DRILL BITS, TITANIUM NITRIDE COATED**



- Titanium nitride coating facilitates faster penetration with less effort.
- Titanium nitride coated drill bits lasts six times longer than standard drill bits.
- 135 degree split point angle eliminates walking and provides quicker penetration.
- 1/4" hex shank is specially designed for cordless screwdrivers, enabling you to quickly change in drill bits.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic. Ideal for cordless drills and impact drivers.

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40620201N	1.5	30	77	40629001N	1/16	23	70
40620202N	2.0	30	77	40629002N	5/64	25	72
40620203N	2.5	33	81	40629003N	3/32	32	78
40620204N	3.0	36	85	40629004N	7/64	38	89
40620205N	3.2	39	90	40629005N	1/8	41	93
40620206N	3.5	43	95	40629006N	9/64	45	95
40620207N	4.0	43	95	40629007N	5/32	51	100
40620208N	4.5	47	100	40629008N	11/64	54	104
40620209N	4.8	52	106	40629009N	3/16	59	110
40620210N	5.0	52	106	40629010N	13/64	62	112
40620211N	5.5	57	113	40629011N	7/32	64	113
40620212N	6.0	57	113	40629012N	15/64	67	120
40620213N	6.5	63	121	40629013N	1/4	70	123

**4072 1/4" HEX QUICK CHANGE SHANK HSS DRILL BITS**



- One-piece construction withstands higher torque loads than standard quick-change bits.
- 135° split point minimizes "walking" and drills with less effort.
- Fully ground body, bright finish for the most accurate hole dimensions and high concentricity.
- 1/4" quick-change shank is designed to work with impact drivers, and reduces slipping in standard drill chucks.
- For general using in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40720301N	7.0	69	109	40729301N	9/32	2-5/16	4-1/4
40720302N	7.5	69	109	40729302N	19/64	3-1/16	4-3/8
40720303N	8.0	75	117	40729303N	5/16	3-3/16	4-1/2
40720304N	8.5	75	117	40729304N	21/64	3-5/16	4-5/8
40720305N	9.0	81	125	40729305N	11/32	3-7/16	4-3/4
40720306N	9.5	81	125	40729306N	23/64	3-1/2	4-7/8
40720307N	10.0	87	133	40729307N	3/8	3-5/8	5
40720308N	10.5	87	133	40729308N	25/64	3-3/4	5-1/8
40720309N	11.0	94	142	40729309N	13/32	3-7/8	5-1/4
40720310N	11.5	94	142	40729310N	27/64	3-5/16	5-3/8
40720311N	12.0	101	151	40729311N	7/16	4-1/16	5-1/2
40720312N	12.5	101	151	40729312N	29/64	4-3/16	5-5/8
40720313N	13.0	101	151	40729313N	15/32	4-5/16	5-3/4
				40729314N	31/64	4-3/8	5-7/8
				40729315N	1/2	4-1/2	6

### 4061 V-GROOVE TIP HSS DRILL BITS



- V-GOOVE Tip
- 135° split angle for selfcentering (won't "walk")
- Precision-ground tip to stay sharp longer and drill 10X faster.
- Requires less than 118° point drill bits
- Best for portable drill



- V-groove tip design for speed and smooth drilling, Non-resharpening.
- These drill bits with multiple cutting faces- 50% less force/60% less heat.
- 135 degree split point angle eliminates walking and provides quicker penetration.
- Gold degree finish for corrosion resistance and longer life.
- For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.
- Ideal for cordless drills or box column drills.



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD

ITEM NO.	DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)
40610301N	2.5	30	57
40610302N	3.0	33	61
40610303N	3.2	36	65
40610304N	3.5	39	70
40610305N	4.0	43	75
40610306N	4.2	43	75
40610307N	4.5	47	80
40610308N	4.8	52	86
40610309N	5.0	52	86
40610311N	5.5	57	93
40610312N	6.0	57	93
40610313N	6.5	63	101
40610314N	7.0	69	109
40610315N	7.5	69	109
40610316N	8.0	75	117
40610317N	8.5	75	117
40610318N	9.0	81	125
40610319N	9.5	81	125
40610320N	10.0	87	133
40610321N	10.5	87	133
40610322N	11.0	94	142
40610323N	11.5	94	142
40610324N	12.0	101	151
40610325N	12.5	101	151
40610326N	13.0	101	151

ITEM NO.	DIA. (INCH)	WORKING LENGTH (INCH)	OVERALL LENGTH (INCH)
40619301N	3/32	1-1/4	1-1/4
40619302N	7/64	1-1/2	2-5/8
40619303N	1/8	1-5/8	2-3/4
40619304N	9/64	1-3/4	2-7/8
40619305N	5/32	2	3-1/8
40619306N	11/64	2-1/8	3-1/4
40619307N	3/16	2-5/16	3-1/2
40619308N	13/64	2-7/16	3-5/8
40619309N	7/32	2-1/2	3-3/4
40619310N	15/64	2-5/8	3-7/8
40619311N	1/4	2-3/4	4
40619312N	17/64	2-7/8	4-1/8
40619313N	9/32	2-5/16	4-1/4
40619314N	19/64	3-1/16	4-3/8
40619315N	5/16	3-3/16	4-1/2
40619316N	21/64	3-5/16	4-5/8
40619317N	11/32	3-7/16	4-3/4
40619318N	23/64	3-1/2	4-7/8
40619319N	3/8	3-5/8	5
40619320N	25/64	3-3/4	5-1/8
40619321N	13/32	3-7/8	5-1/4
40619322N	27/64	3-5/16	5-3/8
40619323N	7/16	4-1/16	5-1/2
40619324N	29/64	4-3/16	5-5/8
40619325N	15/32	4-5/16	5-3/4
40619326N	31/64	4-3/8	5-7/8
40619327N	1/2	4-1/2	6

\* Common sets available.

### 4022 HSS SAW DRILL BITS



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN TRAPPED BLISTER CARD

- Features a twist drill bits followed by milling cutter with chip breakers.
- Multifunction bit drills, saws, and reams brass, aluminum, wood and plastic
- Cross milled cutting edges for rapid, non clog cutting.
- Cuts own starting holes and any sharp in any direction when tool is moved.
- Fits any electric drill or drill press.

ITEM NO.	DIA. (MM)	OVERALL LENGTH (MM)
40220101N	3	60
40220102N	4	75
40220103N	5	85
40220104N	6	90
40220105N	6.5	95
40220106N	8	95
40220107N	10	105

ITEM NO.	DIA. (INCH)	OVERALL LENGTH (INCH)
40229101N	1/8	2-3/8
40229102N	5/32	2-5/16
40229103N	3/16	3-3/8
40229104N	1/4	3-9/16
40229105N	5/16	3-3/4
40229106N	3/8	3-3/4

\* Other sizes available upon request.



**4018 / HSS CENTER DRILL BITS/COMBINED DRILL & COUNTERSINK**

- High-speed steel combined drills and countersinks are used for producing center holes in components or workpieces which require machining between centers.
- Available in plain, bell, and radius type.

**PLAIN TYPE**



Plain Drills and Countersinks are used to machine center holes in shafts, and to do other operations where their rigid construction and drill chamfer combination can reduce machining time.

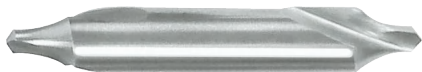
**(A)PLAIN TYPE METRIC SIZE**

ITEM NO.	FLUTE DIA. (MM)	BODY DIA. (MM)	FLUTE LENGTH (MM)	OVERALL LENGTH (MM)
40180301B	1.0	3.15	1.9	35.5
40180311B	1.25	3.15	2.2	40.0
40180302B	1.6	4.0	2.8	45.0
40180303B	2.0	5.0	3.3	50.0
40180304B	2.5	6.3	4.1	56.0
40180305B	3.15	8.0	4.9	60.0
40180306B	4.0	10.0	6.2	67.0
40180307B	5.0	12.5	7.5	75.0
40180308B	6.3	16.0	9.2	80.0
40180309B	8.0	20.0	11.5	100.0
40180310B	10.0	25.0	14.2	125.0

**(A)PLAIN TYPE INCH SIZE**

ITEM NO.	FLUTE DIA. (INCH)	BODY DIA. (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40189309B	0.025	1/8	1/8	1-1/8
40189310B	1/32	1/8	1/8	1-1/8
40189301B	3/64	1/8	1/8	1-1/4
40189302B	5/64	3/16	3/16	1-7/8
40189303B	7/64	1/4	1/4	2
40189304B	1/8	5/16	5/16	2-1/8
40189305B	3/16	7/16	7/16	2-3/4
40189306B	7/32	1/2	1/2	3
40189307B	1/4	5/8	5/8	3-1/4
40189308B	5/16	3/4	3/4	3-1/2

**RADIUS TYPE**



Combined Drills and Countersinks produce a reduced bearing surface and a protected center for components that require high precision close tolerance grinding between centers.

**(R)RADIUS TYPE METRIC SIZE**

ITEM NO.	FLUTE DIA. (MM)	BODY DIA. (MM)	FLUTE LENGTH (MM)	OVERALL LENGTH (MM)
40180401B	1.0	3.2	1.9	31.5
40180402B	1.3	3.2	2.2	31.5
40180403B	1.6	4.0	2.8	35.5
40180403B	2.0	5.0	3.3	40.0
40180405B	2.5	6.3	4.1	45.0
40180406B	3.2	8.0	4.9	49.0
40180407B	4.0	10.0	6.2	56.0
40180408B	5.0	12.5	7.5	63.0
40180409B	6.3	16.0	9.2	71.0

**BELL TYPE**



Combined Drills and Countersinks provide a protected center that preserves the center and protects it from being deformed by rough handling.

**(B)BELL TYPE METRIC SIZE**

ITEM NO.	FLUTE DIA. (MM)	BODY DIA. (MM)	SHANK DIA. (MM)	FLUTE LENGTH (MM)	OVERALL LENGTH (MM)
40180501B	1.0	4	2.12	1.9	35.5
40180511B	1.25	5	2.65	2.2	40
40180502B	1.6	6.3	3.35	2.8	45
40180503B	2.0	8	4.25	3.3	50
40180504B	2.5	10	5.3	4.1	56
40180505B	3.15	11.2	6.7	4.9	60
40180506B	4.0	14	8.5	6.2	67
40180507B	5.0	18	10.6	7.5	75
40180508B	6.3	20	13.2	9.2	80
40180509B	8.0	25	17	11.5	100
40180510B	10.0	31.5	21.2	14.2	125

**(B)BELL TYPE INCH SIZE**

ITEM NO.	FLUTE DIA. (INCH)	BODY DIA. (INCH)	SHANK DIA. (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40189501B	3/64	1/8	0.10	3/64	1-1/4
40189502B	1/16	3/16	0.15	1/16	1-7/8
40189503B	3/32	1/4	0.20	3/32	2
40189504B	7/64	5/16	0.25	7/64	2-1/8
40189505B	5/32	7/16	0.35	5/32	2-3/4
40189506B	3/16	1/2	0.40	3/16	3
40189507B	7/32	5/8	0.50	7/32	3-1/4
40189508B	1/4	3/4	0.60	1/4	3-1/2

### 4033 / HSS STEP DRILL BITS, STRAIGHT FLUTE, TOP VALUE



- For drilling cylindrical holes in solid material up to a thickness of 5mm.
- Ideal tool for sheet metal workers, electrical contractor, auto mechanics, and general contractors.
- Burr-free and vibration-free drilling.
- The tapered cutting edges of the drill step can be used for simultaneous deburring or chamfering of the finished bore at the same time.
- Drilling perfectly round holes in sheet metal, brass, copper, aluminum, wood and plastic.
- Drills up to 13 holes and sizes with one bit.
- Various shanks and surface treatments available upon request.



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN CLAMSHELL

- \* Shanks options:  
3-flat shank, 1/4" quick change shank, etc.
- \* Surface treatment options: bright finish, black oxide finish, titanium nitride coating, cobalt coating.



ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40330101C	4-12	5	6	63
40330102C	4-12	9	6	68
40330103C	4-20	9	8	75
40330104C	4-22	10	8	80
40330105C	4-30	14	10	100
40330106C	4-32	15	10	105
40330107C	4-39	14	10	106
40330108C	4-40	14	13	106
40330109C	4-40	17	13	110
40330110C	4-40	19	13	125
40330111C	5-25	11	10	82
40330112C	5-28	7	10	69
40330113C	5-35	13	10	100
40330114C	6-30	12	10	94
40330115C	6-20	8	8	72
40330116C	6-38	12	10	98
40330117C	6-37	12	10	100
40330118C	7-40.5	13	13	110
40330119C	9-36	10	10	86

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40339101C	3/16"-1/2"	6	1/4"	3-1/8"
40339102C	3/16"-1/2"	6	1/4"	3-1/2"
40339103C	1/8"-1/2"	13	1/4"	2-15/16"
40339104C	1/4"-3/4"	9	3/8"	2-3/4"
40339105C	1/4"-1"	10	3/8"	3-1/4"
40339106C	1/4"-1-3/8"	10	1/2"	3-3/16"
40339107C	1/4"-1-3/8"	11	1/2"	3-1/4"
40339108C	1/4"-1-3/8"	18	1/2"	3-1/4"
40339109C	1/4"-1-1/2"	11	1/2"	3-1/4"
40339110C	3/16"-7/8"	12	3/8"	3-1/4"
40339111C	3/4"-1-3/8"	11	3/8"	3-31/32"
40339112C	1/4"-1-1/8"	14	3/8"	2-15/32"
40339113C	1/4"-1-1/8"	15	3/8"	2-11/16"
40339114C	1/4"-7/8"	11	3/8"	2-1/32"
40339115C	9/16"-1"	8	3/8"	2-7/32"
40339116C	1/2"-1"	9	3/8"	2-5/8"

\* Kits available.

**4033 / HSS STEP DRILL BITS, STRAIGHT FLUTE, PROFESSIONAL**



- For drilling cylindrical holes in solid material up to a thickness of 4mm.
- Ideal tool for sheet metal workers, electrical contractor, auto mechanics, and general contractors.
- Burr-free and vibration-free drilling.
- The tapered cutting edges of the next drill step can be used for simultaneous deburring or chamfering of the finished bore at the same time.
- Drilling perfectly round holes in steel, brass, copper, aluminum, wood and plastic.

Drills up to 13 holes sizes with one bit.

Various shanks and surface treatments available upon request.

ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40330301B	4-12	5	6	63
40330302B	4-12	9	6	68
40330303B	4-20	9	8	75
40330304B	4-22	10	8	80
40330305B	4-30	14	10	100
40330306B	4-32	15	10	105
40330307B	4-39	14	10	106
40330308B	4-40	14	13	106
40330309B	4-40	17	13	110
40330310B	4-40	19	13	125
40330311B	5-25	11	10	82
40330312B	5-28	7	10	69
40330313B	5-35	13	10	100
40330314B	6-30	12	10	94
40330315B	6-20	8	8	72
40330316B	6-38	12	10	98
40330317B	6-37	12	10	100
40330318B	7-40.5	13	13	110
40330319B	9-36	10	10	86

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40339301B	3/16"-1/2"	6	1/4"	3-1/8"
40339302B	3/16"-1/2"	6	1/4"	3-1/2"
40339303B	1/8"-1/2"	13	1/4"	2-15/16"
40339304B	1/4"-3/4"	9	3/8"	2-3/4"
40339305B	1/4"-1"	10	3/8"	3-1/4"
40339306B	1/4"-1 3/8"	10	1/2"	3-3/16"
40339307B	1/4"-1 3/8"	11	1/2"	3-1/4"
40339308B	1/4"-1 3/8"	18	1/2"	3-1/4"
40339309B	1/4"-1 1/2"	11	1/2"	3-1/4"
40339310B	3/16"-7/8"	12	3/8"	3-1/4"
40339311B	3/4"-1 3/8"	11	3/8"	3-31/32"
40339312B	1/4"-1 1/8"	14	3/8"	2-15/32"
40339313B	1/4"-1 1/8"	15	3/8"	2-11/16"
40339314B	1/4"-7/8"	11	3/8"	2-1/32"
40339315B	9/16"-1"	8	3/8"	2-7/32"
40339316B	1/2"-1"	9	3/8"	2-5/8"

\* Shanks options: 3-flat shank, 1/4" quick change shank, etc.  
\* Surface treatment options: bright finish, black oxide finish, titanium nitride coating, cobalt coating.



**INDIVIDUAL PACKAGE DISPLAY**  
PACKED IN IN PLASTIC TUBE

\* Kits available.



**Item No. 403305**

**3pcs HSS Step Drill Bits Set in metal box**

contains: 8 hole sizes 6-20mm;  
12 hole sizes 6-30mm;  
5 hole sizes 4-12mm



**Item No. 403311**

**3pcs Tin-coated HSS Step Drill Bits Set in Metal Box**

contains: 4-30, 4-20, 4-12mm.

### 4033 / HSS STEP DRILL BITS, STRAIGHT FLUTE, INDUSTRIAL



\* Shanks options: 3-flat shank, 1/4" quick change shank, etc.  
\* Surface treatment options: titanium nitride coating, Nano-blue coating, TiAlN coating



INDIVIDUAL PACKAGE DISPLAY  
PACKED IN PLASTIC TUBE

- For drilling cylindrical holes in solid material up to a thickness of 5mm.
- Ideal tool for sheet metal workers, electrical contractor, auto mechanics, and general contractors.
- Burr-free and vibration-free drilling.
- The tapered cutting edges of the next drill step can be used for simultaneous deburring or chamfering of the finished bore at the same time.
- Drilling perfectly round holes in stainless steel, brass, copper, aluminum, wood and plastic.
- Drills up to 13 holes sizes with one bit.
- Various shanks and surface treatments available upon request.

ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40330401B	4-12	5	6	63
40330402B	4-12	9	6	68
40330403B	4-20	9	8	75
40330404B	4-22	10	8	80
40330405B	4-30	14	10	100
40330406B	4-32	15	10	105
40330407B	4-39	14	10	106
40330408B	4-40	14	13	106
40330409B	4-40	17	13	110
40330410B	4-40	19	13	125
40330411B	5-25	11	10	82
40330412B	5-28	7	10	69
40330413B	5-35	13	10	100
40330414B	6-30	12	10	94
40330415B	6-20	8	8	72
40330416B	6-38	12	10	98
40330417B	6-37	12	10	100
40330418B	7-40.5	13	13	110
40330419B	9-36	10	10	86

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40339401B	3/16"-1/2"	6	1/4"	3-1/8"
40339402B	3/16"-1/2"	6	1/4"	3-1/2"
40339403B	1/8"-1/2"	13	1/4"	2-15/16"
40339404B	1/4"-3/4"	9	3/8"	2-3/4"
40339405B	1/4"-1"	10	3/8"	3-1/4"
40339406B	1/4"-1-3/8"	10	1/2"	3-3/16"
40339407B	1/4"-1-3/8"	11	1/2"	3-1/4"
40339408B	1/4"-1-3/8"	18	1/2"	3-1/4"
40339409B	1/4"-1-1/2"	11	1/2"	3-1/4"
40339410B	3/16"-7/8"	12	3/8"	3-1/4"
40339411B	3/4"-1-3/8"	11	3/8"	3-31/32"
40339412B	1/4"-1-1/8"	14	3/8"	2-15/32"
40339413B	1/4"-1-1/8"	15	3/8"	2-11/16"
40339414B	1/4"-7/8"	11	3/8"	2-1/32"
40339415B	9/16"-1"	8	3/8"	2-7/32"
40339416B	1/2"-1"	9	3/8"	2-5/8"

\* Kits available.

**4064 / HSS STEP DRILL BITS, SPIRAL FLUTE, TOP VALUTE**



- Made of hardened high speed steel.
- Self starting tip.
- The ideal tool for sheet metal working.
- Burr-free and vibration-free drilling.
- The spiral flute improves the flow and removal of swarf which reduces the amount of heat generated at the tool edge. This substantially increases the efficiency of the cutting. Making it less prone to damage, with the added advantage of reducing annoying 'chatter'.
- Various shanks and surface treatments available upon request.



**INDIVIDUAL PACKAGE DISPLAY  
PACKED IN CLAMSHELL**

\* Shanks options:  
3-flat shank, 1/4" quick change shank, etc.  
\* Surface treatment options: titanium nitride coating,  
Nano-blue coating, TiALN coating



ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40640102C	4-12	5	6	63
40640103C	4-20	9	6	68
40640104C	4-22	10	8	75
40640105C	4-30	14	8	80
40640106C	4-32	15	10	100
40640107C	4-39	14	10	105
40640108C	4-40	14	13	106
40640109C	4-40	17	13	110
40640110C	4-40	19	13	125
40640111C	5-25	11	10	82
40640112C	5-28	7	10	69
40640113C	5-35	13	10	100
40640114C	6-30	12	10	94
40640115C	6-20	8	8	72
40640116C	6-38	12	10	98
40640117C	6-37	12	10	100
40640118C	7-40.5	13	13	110
40640119C	9-36	10	10	86

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40649101C	3/16"-1/2"	6	1/4"	3-1/8"
40649102C	3/16"-1/2"	6	1/4"	3-1/2"
40649103C	1/8"-1/2"	13	1/4"	2-15/16"
40649104C	1/4"-3/4"	9	3/8"	2-3/4"
40649105C	1/4"-1"	10	3/8"	3-1/4"
40649106C	1/4"-1-3/8"	10	1/2"	3-3/16"
40649107C	1/4"-1-3/8"	11	1/2"	3-1/4"
40649108C	1/4"-1-3/8"	18	1/2"	3-1/4"
40649109C	1/4"-1-1/2"	11	1/2"	3-1/4"
40649110C	3/16"-7/8"	12	3/8"	3-1/4"
40649111C	3/16"-1-3/8"	11	3/8"	3-1/2"
40649112C	1/4"-1-1/8"	14	3/8"	2-15/32"
40649113C	1/4"-1-1/8"	15	3/8"	2-11/16"
40649114C	1/4"-7/8"	11	3/8"	2-1/32"
40649115C	9/16"-1"	8	3/8"	2-7/32"
40649116C	1/2"-1"	9	3/8"	2-5/8"

\* Imperial sizes available upon request.

### 4064 / HSS STEP DRILL BITS, SPIRAL FLUTE, PROFESSIONAL



- Self-starting tip penetrates faster and prevents walking.
  - The spiral flute improves the flow and removal of swarf which reduces the amount of heat generated at the cutting edge. This substantially increases the efficiency of the tool making it less prone to damage, with the added advantage of reducing annoying 'chatter'.
  - Ideal for drilling holes into thin materials such as steel, copper, brass, aluminum, plastic and laminates.
  - To be used with a cordless drill, electric drill, drill press or milling machine.
- Various shanks and surface treatments available upon request.

\* Shanks options: 3-flat shank, 1/4" quick change shank, etc.  
\* Surface treatment options: bright finish, black finish, titanium nitride coating, cobalt coating

ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40640301B	4-12	5	6	63
40640302B	4-12	9	6	68
40640303B	4-20	9	8	75
40640304B	4-22	10	8	80
40640305B	4-30	14	10	100
40640306B	4-32	15	10	105
40640307B	4-39	14	10	106
40640308B	4-40	14	13	106
40640309B	4-40	17	13	110
40640310B	4-40	19	13	125
40640311B	5-25	11	10	82
40640312B	5-28	7	10	69
40640313B	5-35	13	10	100
40640314B	6-30	12	10	94
40640315B	6-20	8	8	72
40640316B	6-38	12	10	98
40640317B	6-37	12	10	100
40640318B	7-40.5	13	13	110
40640319B	9-36	10	10	86



**Item No. 406403**

**4pcs HSS Step Drill Bits Set**  
in rose plastic box  
Contains: 2-5, 5-10, 10-15, 15-20mm



**Item No. 406404**

**3pcs HSS Step Drill Bits Set**  
in rose plastic box  
Contains: 4-12, 4-20, 6-30mm

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40649301B	3/16"-1/2"	6	1/4"	3-1/8"
40649302B	3/16"-1/2"	6	1/4"	3-1/2"
40649303B	1/8"-1/2"	13	1/4"	2-15/16"
40649304B	1/4"-3/4"	9	3/8"	2-3/4"
40649305B	1/4"-1"	10	3/8"	3-1/4"
40649306B	1/4"-1-3/8"	10	1/2"	3-3/16"
40649307B	1/4"-1-3/8"	11	1/2"	3-1/4"
40649308B	1/4"-1-3/8"	18	1/2"	3-1/4"
40649309B	1/4"-1-1/2"	11	1/2"	3-1/4"
40649310B	3/16"-7/8"	12	3/8"	3-1/4"
40649311B	3/4"-1-3/8"	11	3/8"	3-31/32"
40649312B	1/4"-1-1/8"	14	3/8"	2-15/32"
40649313B	1/4"-1-1/8"	15	3/8"	2-11/16"
40649314B	1/4"-7/8"	11	3/8"	2-1/32"
40649315B	9/16"-1"	8	3/8"	2-7/32"
40649316B	1/2"-1"	9	3/8"	2-5/8"



**Item No. 406405**

**3pcs AlTiN Coated Spiral Flute**  
in rose plastic box  
Contains: 4-12, 4-20, 6-30mm



**Item No. 406406**

**3pcs Tin Coated Spiral Flute**  
in rose plastic box  
Contains: 4-12, 4-20, 6-30mm



**Item No. 406407**

**3pcs Ground Spiral Flute**  
in rose plastic box  
Contains: 4-12, 4-20, 6-30mm

**4064 / HSS STEP DRILL BITS, SPIRAL FLUTE, INDUSTRIAL**



\* Shanks options:  
3-flat shank, 1/4" quick change shank, etc.  
\* Surface treatment options: titanium nitride coating,  
Nano-blue coating, TiAlN coating



**INDIVIDUAL PACKAGE DISPLAY**  
PACKED IN PLASTIC TUBE

- Made of hardened high speed steel.
- Self starting tip.
- The ideal tool for sheet stainless steel working.
- Burr-free and vibration-free drilling.
- The spiral flute improves the removal and removal of swarf which reduces the amount of heat generated at the cutting edge. This substantially increases the efficiency of the tool. Making it less prone to damage, with the added advantage of reducing annoying 'chatter'.
- Various shanks and surface treatments available upon request.

ITEM NO.	HOLE SIZE (MM)	STEPS	SHANK SIZE (MM)	OVERALL LENGTH (MM)
40640401B	4-12	5	6	63
40640402B	4-12	9	6	68
40640403B	4-20	9	8	75
40640404B	4-22	10	8	80
40640405B	4-30	14	10	100
40640406B	4-32	15	10	105
40640407B	4-39	14	10	106
40640408B	4-40	14	13	106
40640409B	4-40	17	13	110
40640410B	4-40	19	13	125
40640411B	5-25	11	10	82
40640412B	5-28	7	10	69
40640413B	5-35	13	10	100
40640414B	6-30	12	10	94
40640415B	6-20	8	8	72
40640416B	6-38	12	10	98
40640417B	6-37	12	10	100
40640418B	7-40.5	13	13	110
40640419B	9-36	10	10	86

ITEM NO.	HOLE SIZE (INCH)	STEPS	SHANK SIZE (INCH)	OVERALL LENGTH (INCH)
40649401	3/16"-1/2"	6	1/4"	3-1/8"
40649402	3/16"-1/2"	6	1/4"	3-1/2"
40649403	1/8"-1/2"	13	1/4"	2-15/16"
40649404	1/4"-3/4"	9	3/8"	2-3/4"
40649405	1/4"-1"	10	3/8"	3-1/4"
40649406	1/4"-1-3/8"	10	1/2"	3-3/16"
40649407	1/4"-1-3/8"	11	1/2"	3-1/4"
40649408	1/4"-1-3/8"	18	1/2"	3-1/4"
40649409	1/4"-1-1/2"	11	1/2"	3-1/4"
40649410	3/16"-7/8"	12	3/8"	3-1/4"
40649411	3/4"-1-3/8"	11	3/8"	3-31/32"
40649412	1/4"-1-1/8"	14	3/8"	2-15/32"
40649413	1/4"-1-1/8"	15	3/8"	2-11/16"
40649414	1/4"-7/8"	11	3/8"	2-1/32"
40649415	9/16"-1"	8	3/8"	2-7/32"
40649416	1/2"-1"	9	3/8"	2-5/8"

\* Kits available upon request.

### 4056 / HSS SHEET & TUBE DRILL BITS



- High grade high speed steel body.
- The cone makes it easier to withdraw the tool from the material.
- For drilling, enlarging and deburring holes in thin sheet metal.
- Using a suitable lubricant is recommended.

ITEM NO.	DRILLING RANGE (MM)	OVERALL LENGTH (MM)	SHANK SIZE (MM)
40560301B	3-14	58	6
40560302B	4-20	71	8
40560303B	16-30.5	76	9
40560304B	24-40	89	10
40560305B	36-50	87	12
40560306B	40-61	103	13
40560307B	5-25.4	87	10
40560308B	5-31	103	9
40560309B	5-22.5	79	8



**Item No. 405601**

**3pcs HSS Sheet & Tube Drill Bits Set in metal box**  
contains:  
16-30.5mm, 4-20mm, 3-14mm



**Item No. 405602**

**3pcs HSS Tin-coated Sheet & Tube Drill Bits Set in rose plastic box**  
contains:  
16-30.5mm, 4-20mm, 3-12mm

### 4042 / HSS COUNTERSINKS, 5 FLUTES



- 90 degree included angle.
- 5 cutting edges.
- For countersinking bore-holes in wood and soft metals for countersink and fillister-head screws.

ITEM NO.	BODY DIA. (INCH)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40429301N	3/4	1/2	2-3/4
40429302N	7/8	1/2	2-3/4
40429303N	1	1/2	2-3/4
40429304N	1-1/4	3/4	2-3/8
40429305N	1-1/2	3/4	2-3/8
40429306N	2	3/4	2-3/8

ITEM NO.	DIA. (MM)	FLUTE LENGTH (INCH)	OVERALL LENGTH (INCH)
40420301N	10	6	90
40420302N	13	6	90
40420303N	16	6	90
40420304N	20	8	90

**4017 / HSS COUNTERSINKS, FRACTIONAL SIZES**



- 90 degree included angle.
- 3 cutting edges.
- Best result at low cutting speed.
- Quickly and accurately countersink, debur, and chamfer in any machinable materials including iron, steel, plastic or wood.

ITEM NO.	MAX. CUTTING DIA. (INCH)	SHANK DIA (INCH)	OVERALL LENGTH (INCH)	ITEM NO.	MAX. CUTTING DIA. (INCH)	SHANK DIA (INCH)	OVERALL LENGTH (INCH)
40179301N	3/16	3/16	1-1/2	40179307N	7/8	1/2	2-3/4
40179302N	1/4	1/4	2	40179308N	7/8	1/2	2-3/4
40179303N	5/16	1/4	2	40179309N	1	1/2	2-3/4
40179304N	3/8	1/4	2	40179310N	1-1/4	3/4	2-3/8
40179305N	1/2	1/4	2	40179311N	1-1/2	3/4	2-3/8
40179306N	5/8	1/2	2-3/4	40179312N	2	3/4	2-3/8

**4043 / HSS COUNTERSINKS, DIN 335-C**



- 90 degree included angle.
- 3 cutting edges.
- Best result at low cutting speed.
- Quickly and accurately countersink, debur, and chamfer in any machinable materials including iron, steel, plastic or wood.

ITEM NO.	MAX. CUTTING DIA. (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)	ITEM NO.	MAX. CUTTING DIA. (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)
40430301N	4.3	4	40	40430312N	10.4	6	50
40430302N	5	4	40	40430313N	11.5	8	56
40430303N	5.3	4	40	40430314N	12.4	8	56
40430304N	6	5	45	40430315N	14.4	8	60
40430305N	6.3	5	45	40430316N	15	10	60
40430306N	7	6	50	40430317N	16.5	10	60
40430307N	7.3	6	50	40430318N	19	10	63
40430308N	8	6	50	40430319N	20.5	10	63
40430309N	8.3	6	50	40430320N	23	10	67
40430310N	9.4	6	50	40430321N	25	10	67
40430311N	10	6	50	40430322N	31	12	71

\* 12pcs in rose plastic box available.



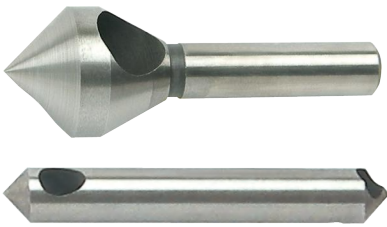
**Item No. 404301**

**6pcs HSS Countersinks**  
Set in rose plastic box  
contains: 6.3, 8.3, 10.4, 12.4,  
16.5, 20.5mm

\* Other sets available.

### 4065 / HSS CROSS HOLE COUNTERSINK

- High grade high speed steel body
- Easy deburring of holes without vibration
- One step countersinking and deburring
- Suitable for soft long-chipping materials
- Cross hole countersink for metals and wood.
- For countersinking and de-burring existing holes in light metal and plastic.



#### HSS COUNTERSINK & DEBURRING TOOLS (GERMANY TYPE)

ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)	ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)
40650301B	1-4	6.35	6.35	45	40650306B	20-25	35.00	35.00	102
40650302B	2-5	10.00	6.00	45	40650307B	25-30	44.00	44.00	115
40650303B	5-10	14.00	8.00	48	40650308B	30-35	48.00	48.00	127
40650304B	10-15	21.00	10.00	65	40650309B	35-40	53.00	53.00	136
40650305B	15-20	28.00	12.00	85	40650310B	40-50	64.00	64.00	166

#### HSS COUNTERSINK & DEBURRING TOOLS (INCH SIZE)

ITEM NO.	FOR THREAD	DIAMETER (d1)	DIAMETER (d2)	SHANK DIA.	OVERALL LENGTH
40659301B	#0	1/16	15/64	1/4	1-3/4
40659302B	#1	5/32	13/32	1/4	1-3/4
40659303B	#2	3/16	17/32	1/4	2
40659304B	#3	5/16	25/32	1/2	2-3/4
40659305B	#4	9/16	1-1/16	1/2	3
40659306B	#5	5/8	1-15/32	182	3-3/4
40659307B	#6	3/4	1-3/4	5/8	4
40659308B	#7	1	2	5/8	4-3/8
40659309B	#8	1-1/4	2-1/2	3/4	4-3/4



#### HSS COUNTERSINK & DEBURRING TOOLS (JAPANESE TYPE)

ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)	ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)
40650321B	3-6	6.35	6.35	45	40650324B	10-19	21.00	10.00	65
40650322B	3-8	10.00	6.00	45	40650325B	10-26	28.00	12.00	85
40650323B	5-12	14.00	8.00	48					



#### HSS COUNTERSINK & DEBURRING TOOLS (JAPANESE LONG LENGTH TYPE)

ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)	ITEM NO.	COUNTERSINK RANGE (MM)	HEAD DIA (MM)	SHANK DIA (MM)	OVERALL LENGTH (MM)
40650341B	3-5	6	6	50	40650345B	8-18	20	10	100
40650342B	4-7	8	8	50	40650346B	10-23	25	12	110
40650343B	4-9	10	8	55	40650347B	12-28	30	12	120
40650344B	6-14	15	8	70	40650348B	14-34	35	12	120



**Item No.406501**  
4pcs HSS Cross Hole  
Countersink  
Set in metal box  
Contains:2-5, 5-10, 10-15,  
15-20mm



**Item No.406502**  
5pcs HSS Cross Hole  
Countersink  
Set in metal box  
Contains:6.3, 10, 14, 21,  
28mm

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**Enjoy Life!**

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