

**HNCARBIDE**

For Tough Steel, Cast Iron, Stainless Steel  
And Exotic Materials:

# SOLID CARBIDE DRILL

**NOTHING CUTS  
IT BETTER!**



- ▶ 3-day fast delivery, no delay
- ▶ Non-standard designs available,  
made to drawing
- ▶ OEM / ODM service for your own brand
- ▶ Technical support from our engineering team

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Email:eve@huanatools.com

Website:<https://huanatools.com/>

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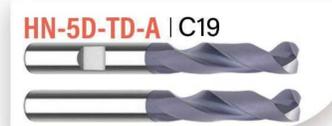
# CONTENTS

3D Carbide drill-ALCRN Coating .....	C01
3D Carbide drill-ALCRN with cooling hole Coating .....	C11
5D Carbide drill-ALCRN Coating .....	C19
5D Carbide drill-ALCRN with cooling hole Coating .....	C29
8D Carbide drill-ALCRN with cooling hole Coating .....	C37
10D Carbide drill-ALCRN with cooling hole Coating .....	C45
15D Carbide drill-ALCRN with cooling hole Coating .....	C50
20D Carbide drill-ALCRN with cooling hole Coating .....	C55
25D Carbide drill-ALCRN with cooling hole Coating .....	C59
30D Carbide drill-ALCRN with cooling hole Coating .....	C65

## 3D Carbide drill-ALCRN Coating



## 5D Carbide drill-ALCRN Coating



## 8D Carbide drill-ALCRN Coating



## 10D Carbide drill-ALCRN Coating



## 15D Carbide drill-ALCRN Coating



## 20D Carbide drill-ALCRN Coating



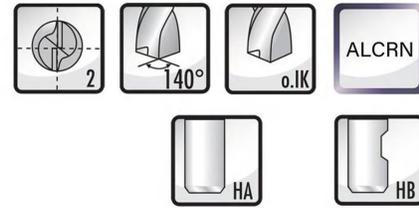
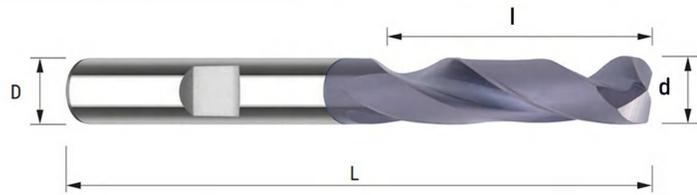
## 25D Carbide drill-ALCRN Coating



## 30D Carbide drill-ALCRN Coating



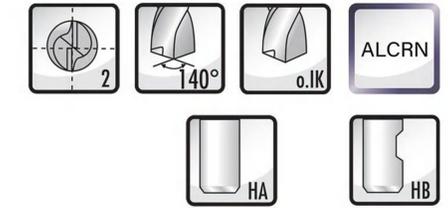
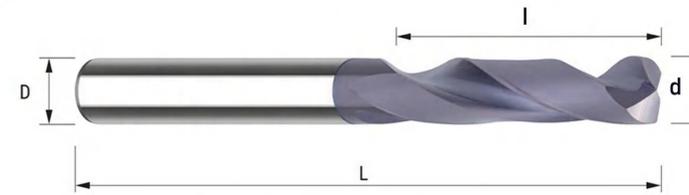
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0010-A	1	4	4	50	HA	-
HN-3D-TD-0011-A	1.1	4	4	50	HA	-
HN-3D-TD-0012-A	1.2	4	4	50	HA	-
HN-3D-TD-0013-A	1.3	5	4	50	HA	-
HN-3D-TD-0014-A	1.4	6	4	50	HA	-
HN-3D-TD-0015-A	1.5	6	4	50	HA	-
HN-3D-TD-0016-A	1.6	6	4	50	HA	-
HN-3D-TD-0017-A	1.7	7	4	50	HA	-
HN-3D-TD-0018-A	1.8	7	4	50	HA	-
HN-3D-TD-0019-A	1.9	8	4	50	HA	-
HN-3D-TD-0020-A	2	8	4	50	HA	-
HN-3D-TD-0021-A	2.1	9	4	50	HA	-
HN-3D-TD-0022-A	2.2	9	4	50	HA	-
HN-3D-TD-0023-A	2.3	9	4	50	HA	-
HN-3D-TD-0024-A	2.4	10	4	50	HA	-
HN-3D-TD-0025-A	2.5	10	4	50	HA	-
HN-3D-TD-0026-A	2.6	11	4	50	HA	-
HN-3D-TD-0027-A	2.7	11	4	50	HA	-
HN-3D-TD-0028-A	2.8	11	4	50	HA	-
HN-3D-TD-0029-A	2.9	12	4	50	HA	-
HN-3D-TD-0030-A	3	20	4	62	HA	-
HN-3D-TD-0031-A	3.1	20	4	62	HA	-
HN-3D-TD-0032-A	3.2	20	4	62	HA	-

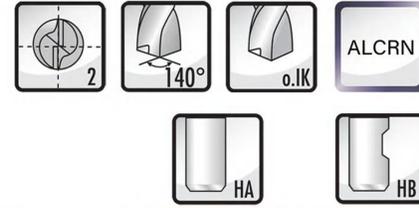
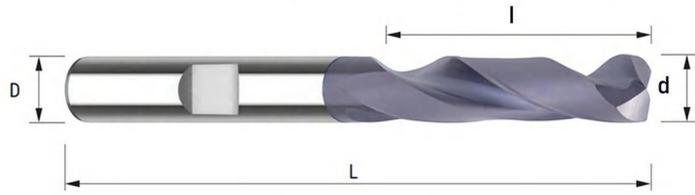
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0033-A	3.3	20	4	62	HA	-
HN-3D-TD-0034-A	3.4	20	4	62	HA	-
HN-3D-TD-0035-A	3.5	20	4	62	HA	-
HN-3D-TD-0036-A	3.6	20	4	62	HA	-
HN-3D-TD-0037-A	3.7	20	4	62	HA	-
HN-3D-TD-0038-A	3.8	24	4	62	HA	-
HN-3D-TD-0039-A	3.9	24	4	62	HA	-
HN-3D-TD-0040-A	4	24	4	62	HA	-
HN-3D-TD-0010-D6-A	1	4	6	66	HA	HB
HN-3D-TD-0011-D6-A	1.1	4	6	66	HA	HB
HN-3D-TD-0012-D6-A	1.2	4	6	66	HA	HB
HN-3D-TD-0013-D6-A	1.3	5	6	66	HA	HB
HN-3D-TD-0014-D6-A	1.4	6	6	66	HA	HB
HN-3D-TD-0015-D6-A	1.5	6	6	66	HA	HB
HN-3D-TD-0016-D6-A	1.6	6	6	66	HA	HB
HN-3D-TD-0017-D6-A	1.7	7	6	66	HA	HB
HN-3D-TD-0018-D6-A	1.8	7	6	66	HA	HB
HN-3D-TD-0019-D6-A	1.9	8	6	66	HA	HB
HN-3D-TD-0020-D6-A	2	8	6	66	HA	HB
HN-3D-TD-0021-D6-A	2.1	9	6	66	HA	HB
HN-3D-TD-0022-D6-A	2.2	9	6	66	HA	HB
HN-3D-TD-0023-D6-A	2.3	9	6	66	HA	HB
HN-3D-TD-0024-D6-A	2.4	10	6	66	HA	HB

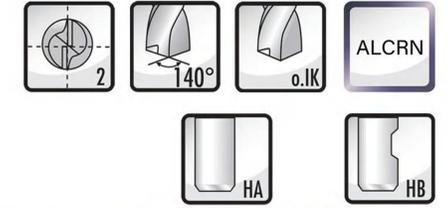
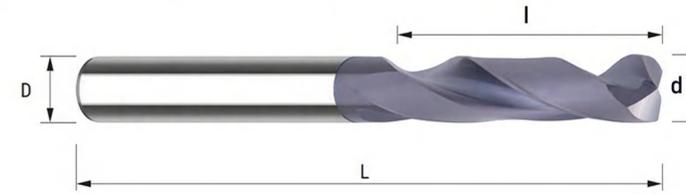
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0025-D6-A	2.5	10	6	66	HA	HB
HN-3D-TD-0026-D6-A	2.6	11	6	66	HA	HB
HN-3D-TD-0027-D6-A	2.7	11	6	66	HA	HB
HN-3D-TD-0028-D6-A	2.8	11	6	66	HA	HB
HN-3D-TD-0029-D6-A	2.9	12	6	66	HA	HB
HN-3D-TD-0030-D6-A	3	20	6	66	HA	HB
HN-3D-TD-0031-D6-A	3.1	20	6	66	HA	HB
HN-3D-TD-0032-D6-A	3.2	20	6	66	HA	HB
HN-3D-TD-0033-D6-A	3.3	20	6	66	HA	HB
HN-3D-TD-0034-D6-A	3.4	20	6	66	HA	HB
HN-3D-TD-0035-D6-A	3.5	20	6	66	HA	HB
HN-3D-TD-0036-D6-A	3.6	20	6	66	HA	HB
HN-3D-TD-0037-D6-A	3.7	20	6	66	HA	HB
HN-3D-TD-0038-D6-A	3.8	24	6	66	HA	HB
HN-3D-TD-0039-D6-A	3.9	24	6	66	HA	HB
HN-3D-TD-0040-D6-A	4	24	6	66	HA	HB
HN-3D-TD-0041-A	4.1	24	6	66	HA	HB
HN-3D-TD-0042-A	4.2	24	6	66	HA	HB
HN-3D-TD-0043-A	4.3	24	6	66	HA	HB
HN-3D-TD-0044-A	4.4	24	6	66	HA	HB
HN-3D-TD-0045-A	4.5	24	6	66	HA	HB
HN-3D-TD-0046-A	4.6	24	6	66	HA	HB
HN-3D-TD-0047-A	4.7	24	6	66	HA	HB

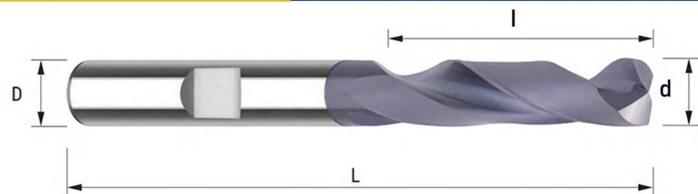
**HN-3D-TD 3D CARBIDE DRILL**



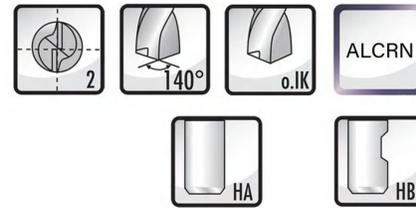
unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0048-A	4.8	28	6	66	HA	HB
HN-3D-TD-0049-A	4.9	28	6	66	HA	HB
HN-3D-TD-0050-A	5	28	6	66	HA	HB
HN-3D-TD-0051-A	5.1	28	6	66	HA	HB
HN-3D-TD-0052-A	5.2	28	6	66	HA	HB
HN-3D-TD-0053-A	5.3	28	6	66	HA	HB
HN-3D-TD-0054-A	5.4	28	6	66	HA	HB
HN-3D-TD-0055-A	5.5	28	6	66	HA	HB
HN-3D-TD-0056-A	5.6	28	6	66	HA	HB
HN-3D-TD-0057-A	5.7	28	6	66	HA	HB
HN-3D-TD-0058-A	5.8	28	6	66	HA	HB
HN-3D-TD-0059-A	5.9	28	6	66	HA	HB
HN-3D-TD-0060-A	6	28	6	66	HA	HB
HN-3D-TD-0061-A	6.1	34	8	79	HA	HB
HN-3D-TD-0062-A	6.2	34	8	79	HA	HB
HN-3D-TD-0063-A	6.3	34	8	79	HA	HB
HN-3D-TD-0064-A	6.4	34	8	79	HA	HB
HN-3D-TD-0065-A	6.5	34	8	79	HA	HB
HN-3D-TD-0066-A	6.6	34	8	79	HA	HB
HN-3D-TD-0067-A	6.7	34	8	79	HA	HB
HN-3D-TD-0068-A	6.8	34	8	79	HA	HB
HN-3D-TD-0069-A	6.9	34	8	79	HA	HB
HN-3D-TD-0070-A	7	34	8	79	HA	HB

**HN-3D-TD 3D CARBIDE DRILL**

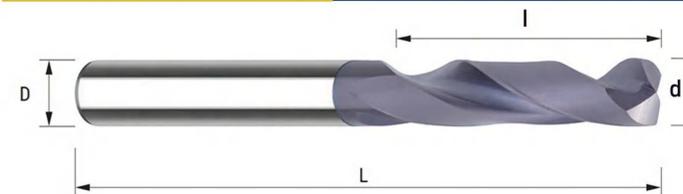


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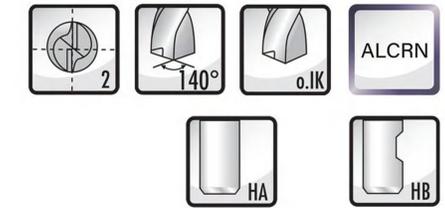


Order Number	d	l	D	L	HA	HB
HN-3D-TD-0071-A	7.1	41	8	79	HA	HB
HN-3D-TD-0072-A	7.2	41	8	79	HA	HB
HN-3D-TD-0073-A	7.3	41	8	79	HA	HB
HN-3D-TD-0074-A	7.4	41	8	79	HA	HB
HN-3D-TD-0075-A	7.5	41	8	79	HA	HB
HN-3D-TD-0076-A	7.6	41	8	79	HA	HB
HN-3D-TD-0077-A	7.7	41	8	79	HA	HB
HN-3D-TD-0078-A	7.8	41	8	79	HA	HB
HN-3D-TD-0079-A	7.9	41	8	79	HA	HB
HN-3D-TD-0080-A	8	41	8	79	HA	HB
HN-3D-TD-0081-A	8.1	47	10	89	HA	HB
HN-3D-TD-0082-A	8.2	47	10	89	HA	HB
HN-3D-TD-0083-A	8.3	47	10	89	HA	HB
HN-3D-TD-0084-A	8.4	47	10	89	HA	HB
HN-3D-TD-0085-A	8.5	47	10	89	HA	HB
HN-3D-TD-0086-A	8.6	47	10	89	HA	HB
HN-3D-TD-0087-A	8.7	47	10	89	HA	HB
HN-3D-TD-0088-A	8.8	47	10	89	HA	HB
HN-3D-TD-0089-A	8.9	47	10	89	HA	HB
HN-3D-TD-0090-A	9	47	10	89	HA	HB
HN-3D-TD-0091-A	9.1	47	10	89	HA	HB
HN-3D-TD-0092-A	9.2	47	10	89	HA	HB
HN-3D-TD-0093-A	9.3	47	10	89	HA	HB

**HN-3D-TD 3D CARBIDE DRILL**

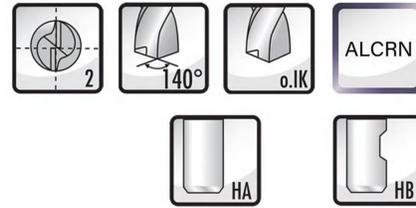
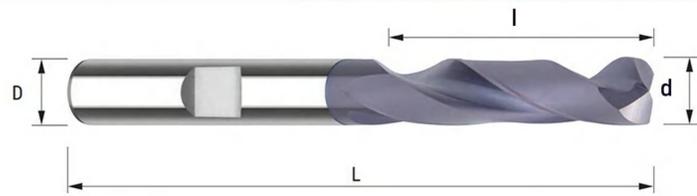


unit: mm



Order Number	d	l	D	L	HA	HB
HN-3D-TD-0094-A	9.4	47	10	89	HA	HB
HN-3D-TD-0095-A	9.5	47	10	89	HA	HB
HN-3D-TD-0096-A	9.6	47	10	89	HA	HB
HN-3D-TD-0097-A	9.7	47	10	89	HA	HB
HN-3D-TD-0098-A	9.8	47	10	89	HA	HB
HN-3D-TD-0099-A	9.9	47	10	89	HA	HB
HN-3D-TD-0100-A	10	47	10	89	HA	HB
HN-3D-TD-0101-A	10.1	55	12	102	HA	HB
HN-3D-TD-0102-A	10.2	55	12	102	HA	HB
HN-3D-TD-0103-A	10.3	55	12	102	HA	HB
HN-3D-TD-0104-A	10.4	55	12	102	HA	HB
HN-3D-TD-0105-A	10.5	55	12	102	HA	HB
HN-3D-TD-0106-A	10.6	55	12	102	HA	HB
HN-3D-TD-0107-A	10.7	55	12	102	HA	HB
HN-3D-TD-0108-A	10.8	55	12	102	HA	HB
HN-3D-TD-0109-A	10.9	55	12	102	HA	HB
HN-3D-TD-0110-A	11	55	12	102	HA	HB
HN-3D-TD-0111-A	11.1	55	12	102	HA	HB
HN-3D-TD-0112-A	11.2	55	12	102	HA	HB
HN-3D-TD-0113-A	11.3	55	12	102	HA	HB
HN-3D-TD-0114-A	11.4	55	12	102	HA	HB
HN-3D-TD-0115-A	11.5	55	12	102	HA	HB
HN-3D-TD-0116-A	11.6	55	12	102	HA	HB

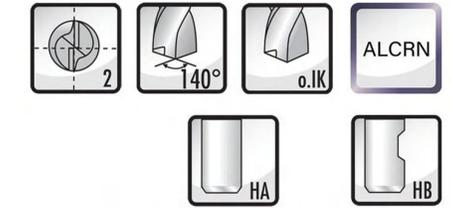
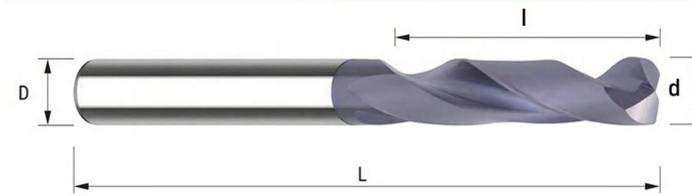
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0117-A	11.7	55	12	102	HA	HB
HN-3D-TD-0118-A	11.8	55	12	102	HA	HB
HN-3D-TD-0119-A	11.9	55	12	102	HA	HB
HN-3D-TD-0120-A	12	55	12	102	HA	HB
HN-3D-TD-0121-A	12.1	60	14	107	HA	HB
HN-3D-TD-0122-A	12.2	60	14	107	HA	HB
HN-3D-TD-0123-A	12.3	60	14	107	HA	HB
HN-3D-TD-0124-A	12.4	60	14	107	HA	HB
HN-3D-TD-0125-A	12.5	60	14	107	HA	HB
HN-3D-TD-0126-A	12.6	60	14	107	HA	HB
HN-3D-TD-0127-A	12.7	60	14	107	HA	HB
HN-3D-TD-0128-A	12.8	60	14	107	HA	HB
HN-3D-TD-0129-A	12.9	60	14	107	HA	HB
HN-3D-TD-0130-A	13	60	14	107	HA	HB
HN-3D-TD-0131-A	13.1	60	14	107	HA	HB
HN-3D-TD-0132-A	13.2	60	14	107	HA	HB
HN-3D-TD-0133-A	13.3	60	14	107	HA	HB
HN-3D-TD-0134-A	13.4	60	14	107	HA	HB
HN-3D-TD-0135-A	13.5	60	14	107	HA	HB
HN-3D-TD-0136-A	13.6	60	14	107	HA	HB
HN-3D-TD-0137-A	13.7	60	14	107	HA	HB

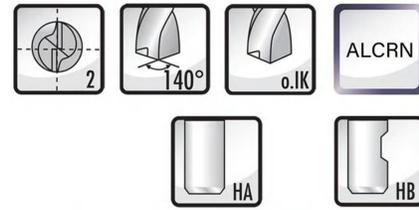
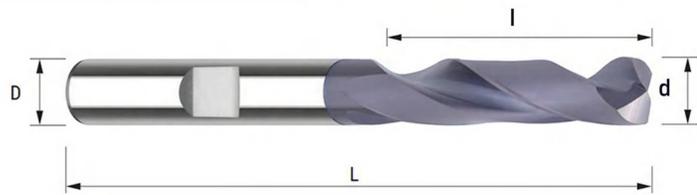
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0138-A	13.8	60	14	107	HA	HB
HN-3D-TD-0139-A	13.9	60	14	107	HA	HB
HN-3D-TD-0140-A	14	60	14	107	HA	HB
HN-3D-TD-0141-A	14.1	65	16	115	HA	HB
HN-3D-TD-0142-A	14.2	65	16	115	HA	HB
HN-3D-TD-0143-A	14.3	65	16	115	HA	HB
HN-3D-TD-0144-A	14.4	65	16	115	HA	HB
HN-3D-TD-0145-A	14.5	65	16	115	HA	HB
HN-3D-TD-0146-A	14.6	65	16	115	HA	HB
HN-3D-TD-0147-A	14.7	65	16	115	HA	HB
HN-3D-TD-0148-A	14.8	65	16	115	HA	HB
HN-3D-TD-0149-A	14.9	65	16	115	HA	HB
HN-3D-TD-0150-A	15	65	16	115	HA	HB
HN-3D-TD-0151-A	15.1	65	16	115	HA	HB
HN-3D-TD-0152-A	15.2	65	16	115	HA	HB
HN-3D-TD-0153-A	15.3	65	16	115	HA	HB
HN-3D-TD-0154-A	15.4	65	16	115	HA	HB
HN-3D-TD-0155-A	15.5	65	16	115	HA	HB
HN-3D-TD-0156-A	15.6	65	16	115	HA	HB
HN-3D-TD-0157-A	15.7	65	16	115	HA	HB
HN-3D-TD-0158-A	15.8	65	16	115	HA	HB

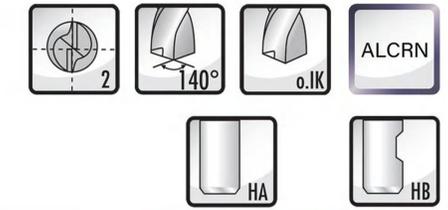
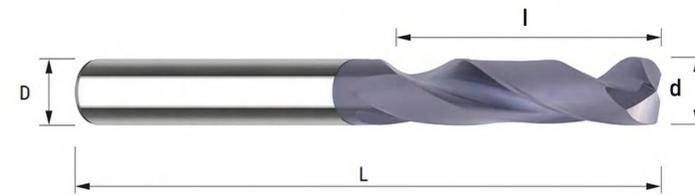
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0159-A	15.9	65	16	115	HA	HB
HN-3D-TD-0160-A	16	65	16	115	HA	HB
HN-3D-TD-0161-A	16.1	73	18	123	HA	HB
HN-3D-TD-0162-A	16.2	73	18	123	HA	HB
HN-3D-TD-0163-A	16.3	73	18	123	HA	HB
HN-3D-TD-0164-A	16.4	73	18	123	HA	HB
HN-3D-TD-0165-A	16.5	73	18	123	HA	HB
HN-3D-TD-0166-A	16.6	73	18	123	HA	HB
HN-3D-TD-0167-A	16.7	73	18	123	HA	HB
HN-3D-TD-0168-A	16.8	73	18	123	HA	HB
HN-3D-TD-0169-A	16.9	73	18	123	HA	HB
HN-3D-TD-0170-A	17	73	18	123	HA	HB
HN-3D-TD-0171-A	17.1	73	18	123	HA	HB
HN-3D-TD-0172-A	17.2	73	18	123	HA	HB
HN-3D-TD-0173-A	17.3	73	18	123	HA	HB
HN-3D-TD-0174-A	17.4	73	18	123	HA	HB
HN-3D-TD-0175-A	17.5	73	18	123	HA	HB
HN-3D-TD-0176-A	17.6	73	18	123	HA	HB
HN-3D-TD-0177-A	17.7	73	18	123	HA	HB
HN-3D-TD-0178-A	17.8	73	18	123	HA	HB
HN-3D-TD-0179-A	17.9	73	18	123	HA	HB

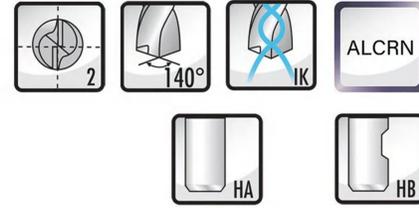
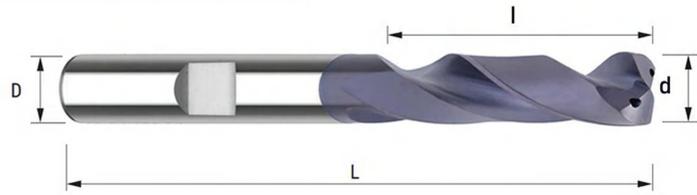
**HN-3D-TD 3D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-TD-0180-A	18	73	18	123	HA	HB
HN-3D-TD-0181-A	18.1	79	20	133	HA	HB
HN-3D-TD-0182-A	18.2	79	20	133	HA	HB
HN-3D-TD-0183-A	18.3	79	20	133	HA	HB
HN-3D-TD-0184-A	18.4	79	20	133	HA	HB
HN-3D-TD-0185-A	18.5	79	20	133	HA	HB
HN-3D-TD-0186-A	18.6	79	20	133	HA	HB
HN-3D-TD-0187-A	18.7	79	20	133	HA	HB
HN-3D-TD-0188-A	18.8	79	20	133	HA	HB
HN-3D-TD-0189-A	18.9	79	20	133	HA	HB
HN-3D-TD-0190-A	19	79	20	133	HA	HB
HN-3D-TD-0191-A	19.1	79	20	133	HA	HB
HN-3D-TD-0192-A	19.2	79	20	133	HA	HB
HN-3D-TD-0193-A	19.3	79	20	133	HA	HB
HN-3D-TD-0194-A	19.4	79	20	133	HA	HB
HN-3D-TD-0195-A	19.5	79	20	133	HA	HB
HN-3D-TD-0196-A	19.6	79	20	133	HA	HB
HN-3D-TD-0197-A	19.7	79	20	133	HA	HB
HN-3D-TD-0198-A	19.8	79	20	133	HA	HB
HN-3D-TD-0199-A	19.9	79	20	133	HA	HB
HN-3D-TD-0200-A	20	79	20	133	HA	HB

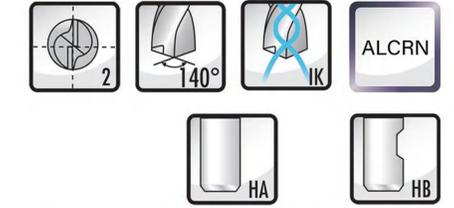
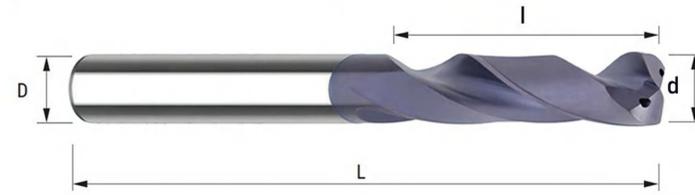
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0030-D6-A	3	20	6	66	HA	HB
HN-3D-CD-0031-D6-A	3.1	20	6	66	HA	HB
HN-3D-CD-0032-D6-A	3.2	20	6	66	HA	HB
HN-3D-CD-0033-D6-A	3.3	20	6	66	HA	HB
HN-3D-CD-0034-D6-A	3.4	20	6	66	HA	HB
HN-3D-CD-0035-D6-A	3.5	20	6	66	HA	HB
HN-3D-CD-0036-D6-A	3.6	20	6	66	HA	HB
HN-3D-CD-0037-D6-A	3.7	20	6	66	HA	HB
HN-3D-CD-0038-D6-A	3.8	24	6	66	HA	HB
HN-3D-CD-0039-D6-A	3.9	24	6	66	HA	HB
HN-3D-CD-0040-D6-A	4	24	6	66	HA	HB
HN-3D-CD-0041-A	4.1	24	6	66	HA	HB
HN-3D-CD-0042-A	4.2	24	6	66	HA	HB
HN-3D-CD-0043-A	4.3	24	6	66	HA	HB
HN-3D-CD-0044-A	4.4	24	6	66	HA	HB
HN-3D-CD-0045-A	4.5	24	6	66	HA	HB
HN-3D-CD-0046-A	4.6	24	6	66	HA	HB
HN-3D-CD-0047-A	4.7	24	6	66	HA	HB
HN-3D-CD-0048-A	4.8	28	6	66	HA	HB
HN-3D-CD-0049-A	4.9	28	6	66	HA	HB
HN-3D-CD-0050-A	5	28	6	66	HA	HB

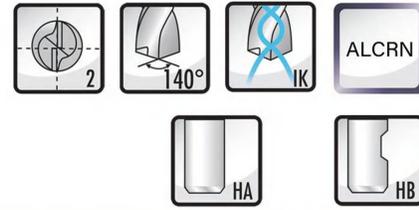
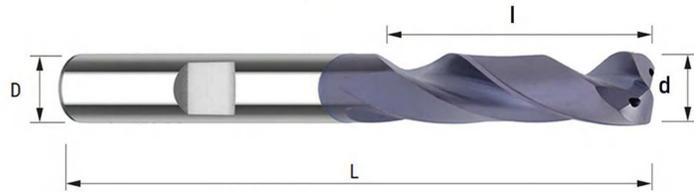
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0051-A	5.1	28	6	66	HA	HB
HN-3D-CD-0052-A	5.2	28	6	66	HA	HB
HN-3D-CD-0053-A	5.3	28	6	66	HA	HB
HN-3D-CD-0054-A	5.4	28	6	66	HA	HB
HN-3D-CD-0055-A	5.5	28	6	66	HA	HB
HN-3D-CD-0056-A	5.6	28	6	66	HA	HB
HN-3D-CD-0057-A	5.7	28	6	66	HA	HB
HN-3D-CD-0058-A	5.8	28	6	66	HA	HB
HN-3D-CD-0059-A	5.9	28	6	66	HA	HB
HN-3D-CD-0060-A	6	28	6	66	HA	HB
HN-3D-CD-0061-A	6.1	34	8	79	HA	HB
HN-3D-CD-0062-A	6.2	34	8	79	HA	HB
HN-3D-CD-0063-A	6.3	34	8	79	HA	HB
HN-3D-CD-0064-A	6.4	34	8	79	HA	HB
HN-3D-CD-0065-A	6.5	34	8	79	HA	HB
HN-3D-CD-0066-A	6.6	34	8	79	HA	HB
HN-3D-CD-0067-A	6.7	34	8	79	HA	HB
HN-3D-CD-0068-A	6.8	34	8	79	HA	HB
HN-3D-CD-0069-A	6.9	34	8	79	HA	HB
HN-3D-CD-0070-A	7	34	8	79	HA	HB
HN-3D-CD-0071-A	7.1	41	8	79	HA	HB

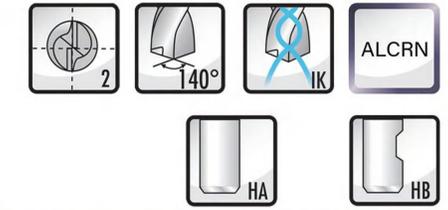
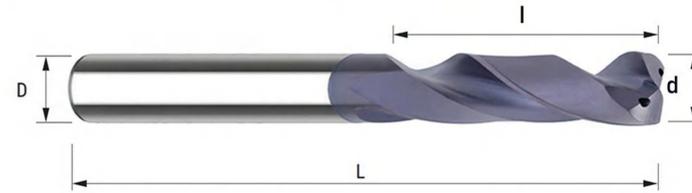
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0072-A	7.2	41	8	79	HA	HB
HN-3D-CD-0073-A	7.3	41	8	79	HA	HB
HN-3D-CD-0074-A	7.4	41	8	79	HA	HB
HN-3D-CD-0075-A	7.5	41	8	79	HA	HB
HN-3D-CD-0076-A	7.6	41	8	79	HA	HB
HN-3D-CD-0077-A	7.7	41	8	79	HA	HB
HN-3D-CD-0078-A	7.8	41	8	79	HA	HB
HN-3D-CD-0079-A	7.9	41	8	79	HA	HB
HN-3D-CD-0080-A	8	41	8	79	HA	HB
HN-3D-CD-0081-A	8.1	47	10	89	HA	HB
HN-3D-CD-0082-A	8.2	47	10	89	HA	HB
HN-3D-CD-0083-A	8.3	47	10	89	HA	HB
HN-3D-CD-0084-A	8.4	47	10	89	HA	HB
HN-3D-CD-0085-A	8.5	47	10	89	HA	HB
HN-3D-CD-0086-A	8.6	47	10	89	HA	HB
HN-3D-CD-0087-A	8.7	47	10	89	HA	HB
HN-3D-CD-0088-A	8.8	47	10	89	HA	HB
HN-3D-CD-0089-A	8.9	47	10	89	HA	HB
HN-3D-CD-0090-A	9	47	10	89	HA	HB
HN-3D-CD-0091-A	9.1	47	10	89	HA	HB
HN-3D-CD-0092-A	9.2	47	10	89	HA	HB

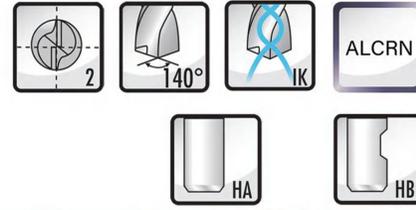
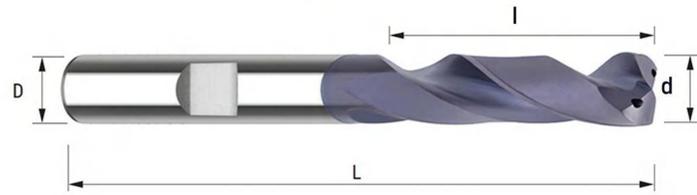
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0093-A	9.3	47	10	89	HA	HB
HN-3D-CD-0094-A	9.4	47	10	89	HA	HB
HN-3D-CD-0095-A	9.5	47	10	89	HA	HB
HN-3D-CD-0096-A	9.6	47	10	89	HA	HB
HN-3D-CD-0097-A	9.7	47	10	89	HA	HB
HN-3D-CD-0098-A	9.8	47	10	89	HA	HB
HN-3D-CD-0099-A	9.9	47	10	89	HA	HB
HN-3D-CD-0100-A	10	47	10	89	HA	HB
HN-3D-CD-0101-A	10.1	55	12	102	HA	HB
HN-3D-CD-0102-A	10.2	55	12	102	HA	HB
HN-3D-CD-0103-A	10.3	55	12	102	HA	HB
HN-3D-CD-0104-A	10.4	55	12	102	HA	HB
HN-3D-CD-0105-A	10.5	55	12	102	HA	HB
HN-3D-CD-0106-A	10.6	55	12	102	HA	HB
HN-3D-CD-0107-A	10.7	55	12	102	HA	HB
HN-3D-CD-0108-A	10.8	55	12	102	HA	HB
HN-3D-CD-0109-A	10.9	55	12	102	HA	HB
HN-3D-CD-0110-A	11	55	12	102	HA	HB
HN-3D-CD-0111-A	11.1	55	12	102	HA	HB
HN-3D-CD-0112-A	11.2	55	12	102	HA	HB
HN-3D-CD-0113-A	11.3	55	12	102	HA	HB

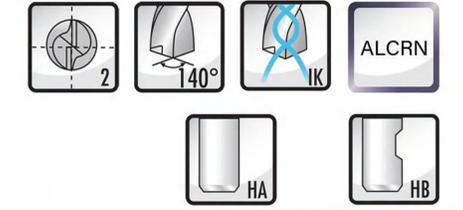
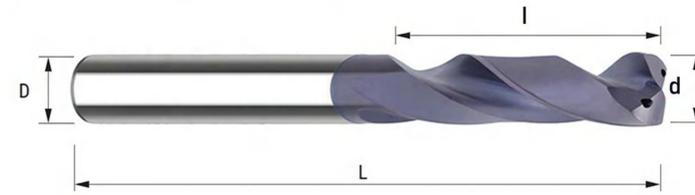
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0114-A	11.4	55	12	102	HA	HB
HN-3D-CD-0115-A	11.5	55	12	102	HA	HB
HN-3D-CD-0116-A	11.6	55	12	102	HA	HB
HN-3D-CD-0117-A	11.7	55	12	102	HA	HB
HN-3D-CD-0118-A	11.8	55	12	102	HA	HB
HN-3D-CD-0119-A	11.9	55	12	102	HA	HB
HN-3D-CD-0120-A	12	55	12	102	HA	HB
HN-3D-CD-0121-A	12.1	60	14	107	HA	HB
HN-3D-CD-0122-A	12.2	60	14	107	HA	HB
HN-3D-CD-0123-A	12.3	60	14	107	HA	HB
HN-3D-CD-0124-A	12.4	60	14	107	HA	HB
HN-3D-CD-0125-A	12.5	60	14	107	HA	HB
HN-3D-CD-0126-A	12.6	60	14	107	HA	HB
HN-3D-CD-0127-A	12.7	60	14	107	HA	HB
HN-3D-CD-0128-A	12.8	60	14	107	HA	HB
HN-3D-CD-0129-A	12.9	60	14	107	HA	HB
HN-3D-CD-0130-A	13	60	14	107	HA	HB
HN-3D-CD-0131-A	13.1	60	14	107	HA	HB
HN-3D-CD-0132-A	13.2	60	14	107	HA	HB
HN-3D-CD-0133-A	13.3	60	14	107	HA	HB
HN-3D-CD-0134-A	13.4	60	14	107	HA	HB

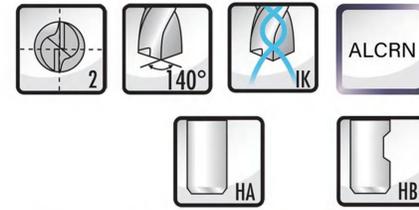
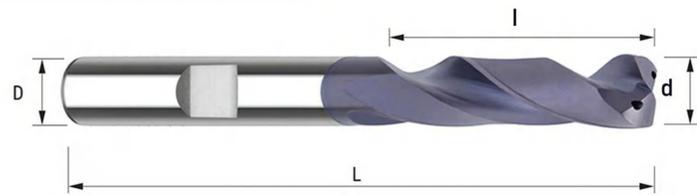
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0135-A	13.5	60	14	107	HA	HB
HN-3D-CD-0136-A	13.6	60	14	107	HA	HB
HN-3D-CD-0137-A	13.7	60	14	107	HA	HB
HN-3D-CD-0138-A	13.8	60	14	107	HA	HB
HN-3D-CD-0139-A	13.9	60	14	107	HA	HB
HN-3D-CD-0140-A	14	60	14	107	HA	HB
HN-3D-CD-0141-A	14.1	65	16	115	HA	HB
HN-3D-CD-0142-A	14.2	65	16	115	HA	HB
HN-3D-CD-0143-A	14.3	65	16	115	HA	HB
HN-3D-CD-0144-A	14.4	65	16	115	HA	HB
HN-3D-CD-0145-A	14.5	65	16	115	HA	HB
HN-3D-CD-0146-A	14.6	65	16	115	HA	HB
HN-3D-CD-0147-A	14.7	65	16	115	HA	HB
HN-3D-CD-0148-A	14.8	65	16	115	HA	HB
HN-3D-CD-0149-A	14.9	65	16	115	HA	HB
HN-3D-CD-0150-A	15	65	16	115	HA	HB
HN-3D-CD-0151-A	15.1	65	16	115	HA	HB
HN-3D-CD-0152-A	15.2	65	16	115	HA	HB
HN-3D-CD-0153-A	15.3	65	16	115	HA	HB
HN-3D-CD-0154-A	15.4	65	16	115	HA	HB
HN-3D-CD-0155-A	15.5	65	16	115	HA	HB
HN-3D-CD-0156-A	15.6	65	16	115	HA	HB
HN-3D-CD-0157-A	15.7	65	16	115	HA	HB

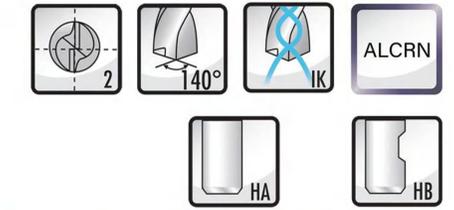
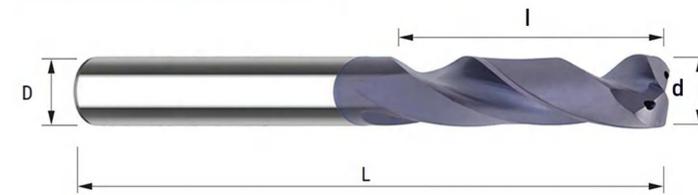
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0158-A	15.8	65	16	115	HA	HB
HN-3D-CD-0159-A	15.9	65	16	115	HA	HB
HN-3D-CD-0160-A	16	65	16	115	HA	HB
HN-3D-CD-0161-A	16.1	73	18	123	HA	HB
HN-3D-CD-0162-A	16.2	73	18	123	HA	HB
HN-3D-CD-0163-A	16.3	73	18	123	HA	HB
HN-3D-CD-0164-A	16.4	73	18	123	HA	HB
HN-3D-CD-0165-A	16.5	73	18	123	HA	HB
HN-3D-CD-0166-A	16.6	73	18	123	HA	HB
HN-3D-CD-0167-A	16.7	73	18	123	HA	HB
HN-3D-CD-0168-A	16.8	73	18	123	HA	HB
HN-3D-CD-0169-A	16.9	73	18	123	HA	HB
HN-3D-CD-0170-A	17	73	18	123	HA	HB
HN-3D-CD-0171-A	17.1	73	18	123	HA	HB
HN-3D-CD-0172-A	17.2	73	18	123	HA	HB
HN-3D-CD-0173-A	17.3	73	18	123	HA	HB
HN-3D-CD-0174-A	17.4	73	18	123	HA	HB
HN-3D-CD-0175-A	17.5	73	18	123	HA	HB
HN-3D-CD-0176-A	17.6	73	18	123	HA	HB
HN-3D-CD-0177-A	17.7	73	18	123	HA	HB
HN-3D-CD-0178-A	17.8	73	18	123	HA	HB

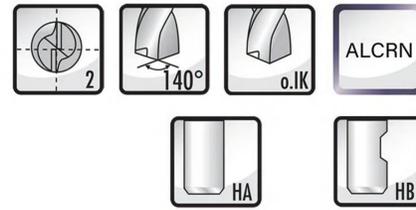
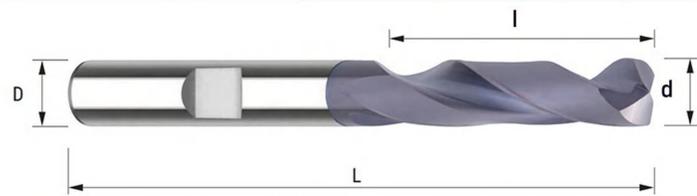
**HN-3D-CD 3D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-3D-CD-0179-A	17.9	73	18	123	HA	HB
HN-3D-CD-0180-A	18	73	18	123	HA	HB
HN-3D-CD-0181-A	18.1	79	20	133	HA	HB
HN-3D-CD-0182-A	18.2	79	20	133	HA	HB
HN-3D-CD-0183-A	18.3	79	20	133	HA	HB
HN-3D-CD-0184-A	18.4	79	20	133	HA	HB
HN-3D-CD-0185-A	18.5	79	20	133	HA	HB
HN-3D-CD-0186-A	18.6	79	20	133	HA	HB
HN-3D-CD-0187-A	18.7	79	20	133	HA	HB
HN-3D-CD-0188-A	18.8	79	20	133	HA	HB
HN-3D-CD-0189-A	18.9	79	20	133	HA	HB
HN-3D-CD-0190-A	19	79	20	133	HA	HB
HN-3D-CD-0191-A	19.1	79	20	133	HA	HB
HN-3D-CD-0192-A	19.2	79	20	133	HA	HB
HN-3D-CD-0193-A	19.3	79	20	133	HA	HB
HN-3D-CD-0194-A	19.4	79	20	133	HA	HB
HN-3D-CD-0195-A	19.5	79	20	133	HA	HB
HN-3D-CD-0196-A	19.6	79	20	133	HA	HB
HN-3D-CD-0197-A	19.7	79	20	133	HA	HB
HN-3D-CD-0198-A	19.8	79	20	133	HA	HB
HN-3D-CD-0199-A	19.9	79	20	133	HA	HB
HN-3D-CD-0200-A	20	79	20	133	HA	HB

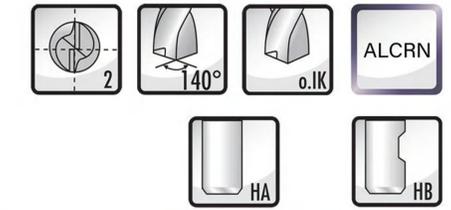
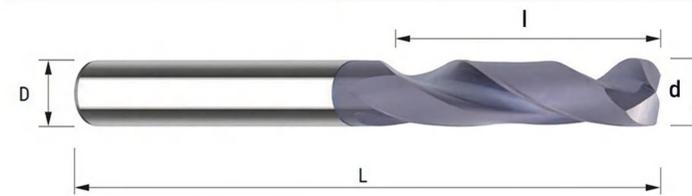
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0010-A	1	6	4	50	HA	-
HN-5D-TD-0011-A	1.1	6	4	50	HA	-
HN-5D-TD-0012-A	1.2	7	4	50	HA	-
HN-5D-TD-0013-A	1.3	8	4	50	HA	-
HN-5D-TD-0014-A	1.4	9	4	50	HA	-
HN-5D-TD-0015-A	1.5	9	4	50	HA	-
HN-5D-TD-0016-A	1.6	10	4	50	HA	-
HN-5D-TD-0017-A	1.7	10	4	50	HA	-
HN-5D-TD-0018-A	1.8	11	4	50	HA	-
HN-5D-TD-0019-A	1.9	12	4	50	HA	-
HN-5D-TD-0020-A	2	12	4	50	HA	-
HN-5D-TD-0021-A	2.1	13	4	50	HA	-
HN-5D-TD-0022-A	2.2	13	4	50	HA	-
HN-5D-TD-0023-A	2.3	14	4	50	HA	-
HN-5D-TD-0024-A	2.4	14	4	50	HA	-
HN-5D-TD-0025-A	2.5	15	4	50	HA	-
HN-5D-TD-0026-A	2.6	16	4	50	HA	-
HN-5D-TD-0027-A	2.7	16	4	50	HA	-
HN-5D-TD-0028-A	2.8	17	4	50	HA	-
HN-5D-TD-0029-A	2.9	17	4	50	HA	-
HN-5D-TD-0030-A	3	28	4	66	HA	-
HN-5D-TD-0031-A	3.1	28	4	66	HA	-

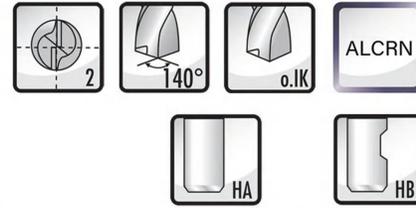
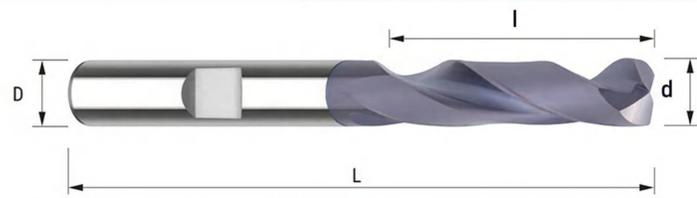
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0032-A	3.2	28	4	66	HA	-
HN-5D-TD-0033-A	3.3	28	4	66	HA	-
HN-5D-TD-0034-A	3.4	28	4	66	HA	-
HN-5D-TD-0035-A	3.5	28	4	66	HA	-
HN-5D-TD-0036-A	3.6	28	4	66	HA	-
HN-5D-TD-0037-A	3.7	28	4	66	HA	-
HN-5D-TD-0038-A	3.8	36	4	66	HA	-
HN-5D-TD-0039-A	3.9	36	4	66	HA	-
HN-5D-TD-0040-A	4	36	4	66	HA	-
HN-5D-TD-0010-D6-A	1	6	6	74	HA	HB
HN-5D-TD-0011-D6-A	1.1	6	6	74	HA	HB
HN-5D-TD-0012-D6-A	1.2	7	6	74	HA	HB
HN-5D-TD-0013-D6-A	1.3	8	6	74	HA	HB
HN-5D-TD-0014-D6-A	1.4	9	6	74	HA	HB
HN-5D-TD-0015-D6-A	1.5	9	6	74	HA	HB
HN-5D-TD-0016-D6-A	1.6	10	6	74	HA	HB
HN-5D-TD-0017-D6-A	1.7	10	6	74	HA	HB
HN-5D-TD-0018-D6-A	1.8	11	6	74	HA	HB
HN-5D-TD-0019-D6-A	1.9	12	6	74	HA	HB
HN-5D-TD-0020-D6-A	2	12	6	74	HA	HB
HN-5D-TD-0021-D6-A	2.1	13	6	74	HA	HB
HN-5D-TD-0022-D6-A	2.2	13	6	74	HA	HB

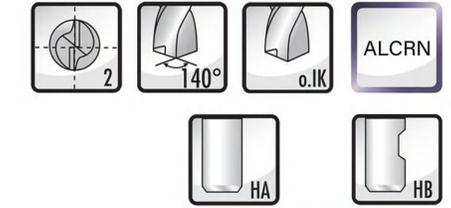
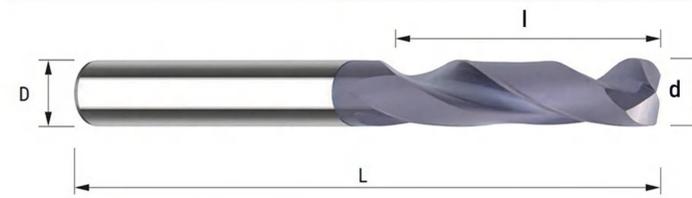
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0023-D6-A	2.3	14	6	74	HA	HB
HN-5D-TD-0024-D6-A	2.4	14	6	74	HA	HB
HN-5D-TD-0025-D6-A	2.5	15	6	74	HA	HB
HN-5D-TD-0026-D6-A	2.6	16	6	74	HA	HB
HN-5D-TD-0027-D6-A	2.7	16	6	74	HA	HB
HN-5D-TD-0028-D6-A	2.8	17	6	74	HA	HB
HN-5D-TD-0029-D6-A	2.9	17	6	74	HA	HB
HN-5D-TD-0030-D6-A	3	28	6	74	HA	HB
HN-5D-TD-0031-D6-A	3.1	28	6	74	HA	HB
HN-5D-TD-0032-D6-A	3.2	28	6	74	HA	HB
HN-5D-TD-0033-D6-A	3.3	28	6	74	HA	HB
HN-5D-TD-0034-D6-A	3.4	28	6	74	HA	HB
HN-5D-TD-0035-D6-A	3.5	28	6	74	HA	HB
HN-5D-TD-0036-D6-A	3.6	36	6	74	HA	HB
HN-5D-TD-0037-D6-A	3.7	36	6	74	HA	HB
HN-5D-TD-0038-D6-A	3.8	36	6	74	HA	HB
HN-5D-TD-0039-D6-A	3.9	36	6	74	HA	HB
HN-5D-TD-0040-D6-A	4	36	6	74	HA	HB
HN-5D-TD-0041-A	4.1	36	6	74	HA	HB
HN-5D-TD-0042-A	4.2	36	6	74	HA	HB
HN-5D-TD-0043-A	4.3	36	6	74	HA	HB
HN-5D-TD-0044-A	4.4	36	6	74	HA	HB

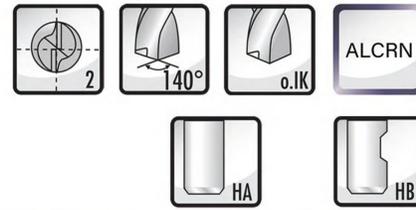
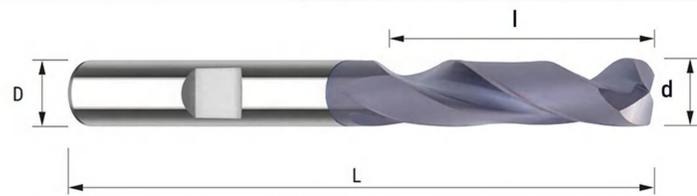
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0045-A	4.5	36	6	74	HA	HB
HN-5D-TD-0046-A	4.6	36	6	74	HA	HB
HN-5D-TD-0047-A	4.7	36	6	74	HA	HB
HN-5D-TD-0048-A	4.8	44	6	82	HA	HB
HN-5D-TD-0049-A	4.9	44	6	82	HA	HB
HN-5D-TD-0050-A	5	44	6	82	HA	HB
HN-5D-TD-0051-A	5.1	44	6	82	HA	HB
HN-5D-TD-0052-A	5.2	44	6	82	HA	HB
HN-5D-TD-0053-A	5.3	44	6	82	HA	HB
HN-5D-TD-0054-A	5.4	44	6	82	HA	HB
HN-5D-TD-0055-A	5.5	44	6	82	HA	HB
HN-5D-TD-0056-A	5.6	44	6	82	HA	HB
HN-5D-TD-0057-A	5.7	44	6	82	HA	HB
HN-5D-TD-0058-A	5.8	44	6	82	HA	HB
HN-5D-TD-0059-A	5.9	44	6	82	HA	HB
HN-5D-TD-0060-A	6	44	6	82	HA	HB
HN-5D-TD-0061-A	6.1	53	8	91	HA	HB
HN-5D-TD-0062-A	6.2	53	8	91	HA	HB
HN-5D-TD-0063-A	6.3	53	8	91	HA	HB
HN-5D-TD-0064-A	6.4	53	8	91	HA	HB
HN-5D-TD-0065-A	6.5	53	8	91	HA	HB
HN-5D-TD-0066-A	6.6	53	8	91	HA	HB

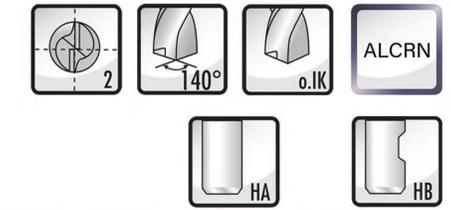
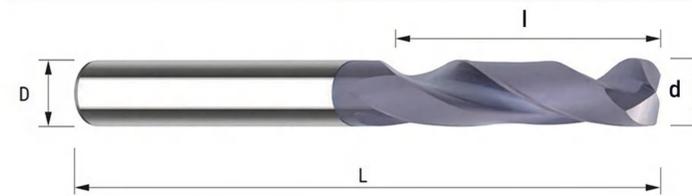
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0067-A	6.7	53	8	91	HA	HB
HN-5D-TD-0068-A	6.8	53	8	91	HA	HB
HN-5D-TD-0069-A	6.9	53	8	91	HA	HB
HN-5D-TD-0070-A	7	53	8	91	HA	HB
HN-5D-TD-0071-A	7.1	53	8	91	HA	HB
HN-5D-TD-0072-A	7.2	53	8	91	HA	HB
HN-5D-TD-0073-A	7.3	53	8	91	HA	HB
HN-5D-TD-0074-A	7.4	53	8	91	HA	HB
HN-5D-TD-0075-A	7.5	53	8	91	HA	HB
HN-5D-TD-0076-A	7.6	53	8	91	HA	HB
HN-5D-TD-0077-A	7.7	53	8	91	HA	HB
HN-5D-TD-0078-A	7.8	53	8	91	HA	HB
HN-5D-TD-0079-A	7.9	53	8	91	HA	HB
HN-5D-TD-0080-A	8	53	8	91	HA	HB
HN-5D-TD-0081-A	8.1	61	10	103	HA	HB
HN-5D-TD-0082-A	8.2	61	10	103	HA	HB
HN-5D-TD-0083-A	8.3	61	10	103	HA	HB
HN-5D-TD-0084-A	8.4	61	10	103	HA	HB
HN-5D-TD-0085-A	8.5	61	10	103	HA	HB
HN-5D-TD-0086-A	8.6	61	10	103	HA	HB
HN-5D-TD-0087-A	8.7	61	10	103	HA	HB
HN-5D-TD-0088-A	8.8	61	10	103	HA	HB

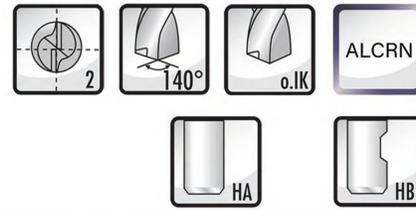
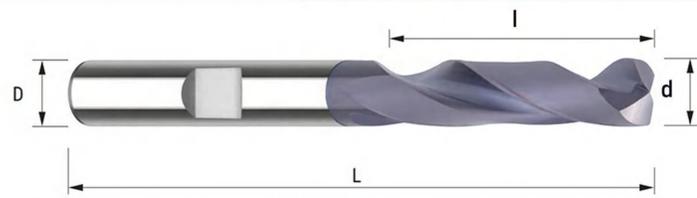
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0089-A	8.9	61	10	103	HA	HB
HN-5D-TD-0090-A	9	61	10	103	HA	HB
HN-5D-TD-0091-A	9.1	61	10	103	HA	HB
HN-5D-TD-0092-A	9.2	61	10	103	HA	HB
HN-5D-TD-0093-A	9.3	61	10	103	HA	HB
HN-5D-TD-0094-A	9.4	61	10	103	HA	HB
HN-5D-TD-0095-A	9.5	61	10	103	HA	HB
HN-5D-TD-0096-A	9.6	61	10	103	HA	HB
HN-5D-TD-0097-A	9.7	61	10	103	HA	HB
HN-5D-TD-0098-A	9.8	61	10	103	HA	HB
HN-5D-TD-0099-A	9.9	61	10	103	HA	HB
HN-5D-TD-0100-A	10	61	10	103	HA	HB
HN-5D-TD-0101-A	10.1	71	12	118	HA	HB
HN-5D-TD-0102-A	10.2	71	12	118	HA	HB
HN-5D-TD-0103-A	10.3	71	12	118	HA	HB
HN-5D-TD-0104-A	10.4	71	12	118	HA	HB
HN-5D-TD-0105-A	10.5	71	12	118	HA	HB
HN-5D-TD-0106-A	10.6	71	12	118	HA	HB
HN-5D-TD-0107-A	10.7	71	12	118	HA	HB
HN-5D-TD-0108-A	10.8	71	12	118	HA	HB
HN-5D-TD-0109-A	10.9	71	12	118	HA	HB
HN-5D-TD-0110-A	11	71	12	118	HA	HB

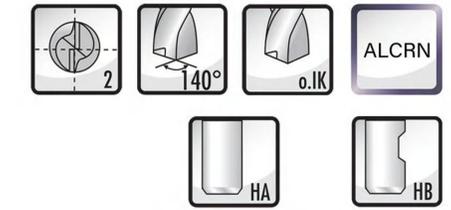
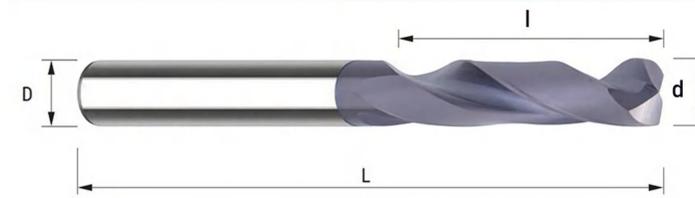
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0111-A	11.1	71	12	118	HA	HB
HN-5D-TD-0112-A	11.2	71	12	118	HA	HB
HN-5D-TD-0113-A	11.3	71	12	118	HA	HB
HN-5D-TD-0114-A	11.4	71	12	118	HA	HB
HN-5D-TD-0115-A	11.5	71	12	118	HA	HB
HN-5D-TD-0116-A	11.6	71	12	118	HA	HB
HN-5D-TD-0117-A	11.7	71	12	118	HA	HB
HN-5D-TD-0118-A	11.8	71	12	118	HA	HB
HN-5D-TD-0119-A	11.9	71	12	118	HA	HB
HN-5D-TD-0120-A	12	71	12	118	HA	HB
HN-5D-TD-0121-A	12.1	77	14	124	HA	HB
HN-5D-TD-0122-A	12.2	77	14	124	HA	HB
HN-5D-TD-0123-A	12.3	77	14	124	HA	HB
HN-5D-TD-0124-A	12.4	77	14	124	HA	HB
HN-5D-TD-0125-A	12.5	77	14	124	HA	HB
HN-5D-TD-0126-A	12.6	77	14	124	HA	HB
HN-5D-TD-0127-A	12.7	77	14	124	HA	HB
HN-5D-TD-0128-A	12.8	77	14	124	HA	HB
HN-5D-TD-0129-A	12.9	77	14	124	HA	HB
HN-5D-TD-0130-A	13	77	14	124	HA	HB
HN-5D-TD-0131-A	13.1	77	14	124	HA	HB
HN-5D-TD-0132-A	13.2	77	14	124	HA	HB

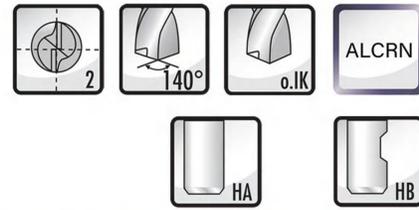
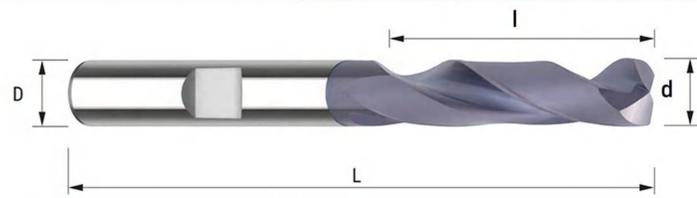
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0133-A	13.3	77	14	124	HA	HB
HN-5D-TD-0134-A	13.4	77	14	124	HA	HB
HN-5D-TD-0135-A	13.5	77	14	124	HA	HB
HN-5D-TD-0136-A	13.6	77	14	124	HA	HB
HN-5D-TD-0137-A	13.7	77	14	124	HA	HB
HN-5D-TD-0138-A	13.8	77	14	124	HA	HB
HN-5D-TD-0139-A	13.9	77	14	124	HA	HB
HN-5D-TD-0140-A	14	77	14	124	HA	HB
HN-5D-TD-0141-A	14.1	83	16	133	HA	HB
HN-5D-TD-0142-A	14.2	83	16	133	HA	HB
HN-5D-TD-0143-A	14.3	83	16	133	HA	HB
HN-5D-TD-0144-A	14.4	83	16	133	HA	HB
HN-5D-TD-0145-A	14.5	83	16	133	HA	HB
HN-5D-TD-0146-A	14.6	83	16	133	HA	HB
HN-5D-TD-0147-A	14.7	83	16	133	HA	HB
HN-5D-TD-0148-A	14.8	83	16	133	HA	HB
HN-5D-TD-0149-A	14.9	83	16	133	HA	HB
HN-5D-TD-0150-A	15	83	16	133	HA	HB
HN-5D-TD-0151-A	15.1	83	16	133	HA	HB
HN-5D-TD-0152-A	15.2	83	16	133	HA	HB
HN-5D-TD-0153-A	15.3	83	16	133	HA	HB
HN-5D-TD-0154-A	15.4	83	16	133	HA	HB

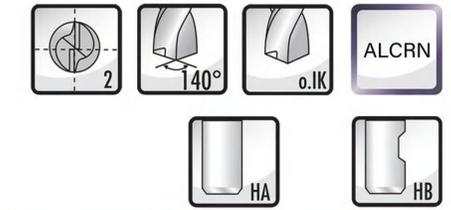
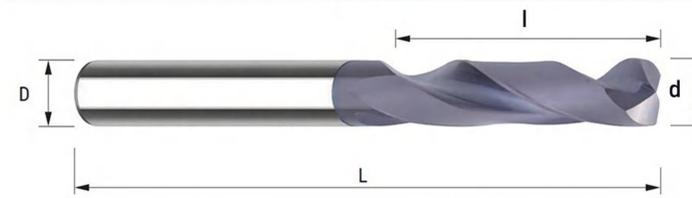
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0155-A	15.5	83	16	133	HA	HB
HN-5D-TD-0156-A	15.6	83	16	133	HA	HB
HN-5D-TD-0157-A	15.7	83	16	133	HA	HB
HN-5D-TD-0158-A	15.8	83	16	133	HA	HB
HN-5D-TD-0159-A	15.9	83	16	133	HA	HB
HN-5D-TD-0160-A	16	83	16	133	HA	HB
HN-5D-TD-0161-A	16.1	93	18	143	HA	HB
HN-5D-TD-0162-A	16.2	93	18	143	HA	HB
HN-5D-TD-0163-A	16.3	93	18	143	HA	HB
HN-5D-TD-0164-A	16.4	93	18	143	HA	HB
HN-5D-TD-0165-A	16.5	93	18	143	HA	HB
HN-5D-TD-0166-A	16.6	93	18	143	HA	HB
HN-5D-TD-0167-A	16.7	93	18	143	HA	HB
HN-5D-TD-0168-A	16.8	93	18	143	HA	HB
HN-5D-TD-0169-A	16.9	93	18	143	HA	HB
HN-5D-TD-0170-A	17	93	18	143	HA	HB
HN-5D-TD-0171-A	17.1	93	18	143	HA	HB
HN-5D-TD-0172-A	17.2	93	18	143	HA	HB
HN-5D-TD-0173-A	17.3	93	18	143	HA	HB
HN-5D-TD-0174-A	17.4	93	18	143	HA	HB
HN-5D-TD-0175-A	17.5	93	18	143	HA	HB
HN-5D-TD-0176-A	17.6	93	18	143	HA	HB
HN-5D-TD-0177-A	17.7	93	18	143	HA	HB

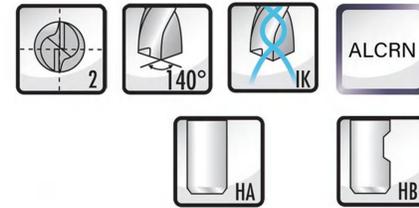
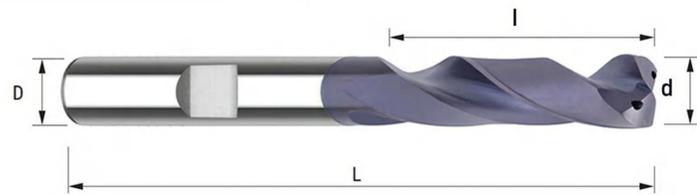
**HN-5D-TD 5D CARBIDE DRILL**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-TD-0178-A	17.8	93	18	143	HA	HB
HN-5D-TD-0179-A	17.9	93	18	143	HA	HB
HN-5D-TD-0180-A	18	93	18	143	HA	HB
HN-5D-TD-0181-A	18.1	101	20	153	HA	HB
HN-5D-TD-0182-A	18.2	101	20	153	HA	HB
HN-5D-TD-0183-A	18.3	101	20	153	HA	HB
HN-5D-TD-0184-A	18.4	101	20	153	HA	HB
HN-5D-TD-0185-A	18.5	101	20	153	HA	HB
HN-5D-TD-0186-A	18.6	101	20	153	HA	HB
HN-5D-TD-0187-A	18.7	101	20	153	HA	HB
HN-5D-TD-0188-A	18.8	101	20	153	HA	HB
HN-5D-TD-0189-A	18.9	101	20	153	HA	HB
HN-5D-TD-0190-A	19	101	20	153	HA	HB
HN-5D-TD-0191-A	19.1	101	20	153	HA	HB
HN-5D-TD-0192-A	19.2	101	20	153	HA	HB
HN-5D-TD-0193-A	19.3	101	20	153	HA	HB
HN-5D-TD-0194-A	19.4	101	20	153	HA	HB
HN-5D-TD-0195-A	19.5	101	20	153	HA	HB
HN-5D-TD-0196-A	19.6	101	20	153	HA	HB
HN-5D-TD-0197-A	19.7	101	20	153	HA	HB
HN-5D-TD-0198-A	19.8	101	20	153	HA	HB
HN-5D-TD-0199-A	19.9	101	20	153	HA	HB
HN-5D-TD-0200-A	20	101	20	153	HA	HB

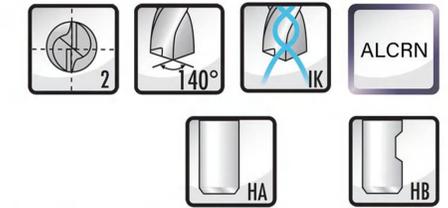
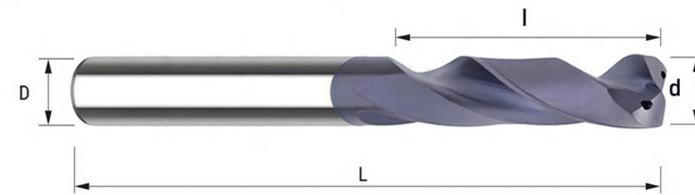
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0030-D6-A	3	28	6	74	HA	HB
HN-5D-CD-0031-D6-A	3.1	28	6	74	HA	HB
HN-5D-CD-0032-D6-A	3.2	28	6	74	HA	HB
HN-5D-CD-0033-D6-A	3.3	28	6	74	HA	HB
HN-5D-CD-0034-D6-A	3.4	28	6	74	HA	HB
HN-5D-CD-0035-D6-A	3.5	28	6	74	HA	HB
HN-5D-CD-0036-D6-A	3.6	28	6	74	HA	HB
HN-5D-CD-0037-D6-A	3.7	28	6	74	HA	HB
HN-5D-CD-0038-D6-A	3.8	36	6	74	HA	HB
HN-5D-CD-0039-D6-A	3.9	36	6	74	HA	HB
HN-5D-CD-0040-D6-A	4	36	6	74	HA	HB
HN-5D-CD-0041-A	4.1	36	6	74	HA	HB
HN-5D-CD-0042-A	4.2	36	6	74	HA	HB
HN-5D-CD-0043-A	4.3	36	6	74	HA	HB
HN-5D-CD-0044-A	4.4	36	6	74	HA	HB
HN-5D-CD-0045-A	4.5	36	6	74	HA	HB
HN-5D-CD-0046-A	4.6	36	6	74	HA	HB
HN-5D-CD-0047-A	4.7	36	6	74	HA	HB
HN-5D-CD-0048-A	4.8	44	6	82	HA	HB
HN-5D-CD-0049-A	4.9	44	6	82	HA	HB
HN-5D-CD-0050-A	5	44	6	82	HA	HB

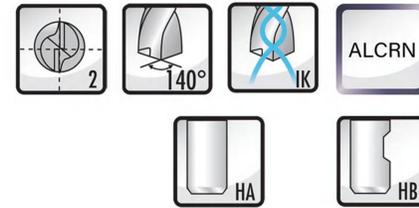
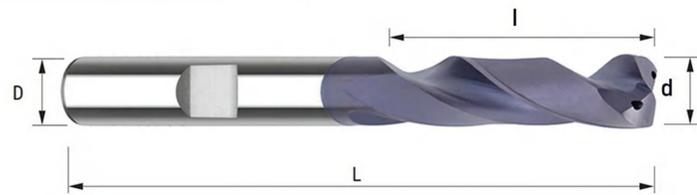
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0051-A	5.1	44	6	82	HA	HB
HN-5D-CD-0052-A	5.2	44	6	82	HA	HB
HN-5D-CD-0053-A	5.3	44	6	82	HA	HB
HN-5D-CD-0054-A	5.4	44	6	82	HA	HB
HN-5D-CD-0055-A	5.5	44	6	82	HA	HB
HN-5D-CD-0056-A	5.6	44	6	82	HA	HB
HN-5D-CD-0057-A	5.7	44	6	82	HA	HB
HN-5D-CD-0058-A	5.8	44	6	82	HA	HB
HN-5D-CD-0059-A	5.9	44	6	82	HA	HB
HN-5D-CD-0060-A	6	44	6	82	HA	HB
HN-5D-CD-0061-A	6.1	53	8	91	HA	HB
HN-5D-CD-0062-A	6.2	53	8	91	HA	HB
HN-5D-CD-0063-A	6.3	53	8	91	HA	HB
HN-5D-CD-0064-A	6.4	53	8	91	HA	HB
HN-5D-CD-0065-A	6.5	53	8	91	HA	HB
HN-5D-CD-0066-A	6.6	53	8	91	HA	HB
HN-5D-CD-0067-A	6.7	53	8	91	HA	HB
HN-5D-CD-0068-A	6.8	53	8	91	HA	HB
HN-5D-CD-0069-A	6.9	53	8	91	HA	HB
HN-5D-CD-0070-A	7	53	8	91	HA	HB
HN-5D-CD-0071-A	7.1	53	8	91	HA	HB

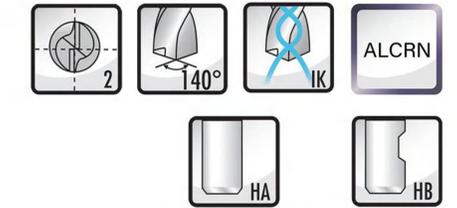
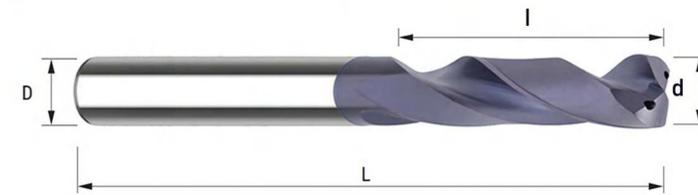
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0072-A	7.2	53	8	91	HA	HB
HN-5D-CD-0073-A	7.3	53	8	91	HA	HB
HN-5D-CD-0074-A	7.4	53	8	91	HA	HB
HN-5D-CD-0075-A	7.5	53	8	91	HA	HB
HN-5D-CD-0076-A	7.6	53	8	91	HA	HB
HN-5D-CD-0077-A	7.7	53	8	91	HA	HB
HN-5D-CD-0078-A	7.8	53	8	91	HA	HB
HN-5D-CD-0079-A	7.9	53	8	91	HA	HB
HN-5D-CD-0080-A	8	53	8	91	HA	HB
HN-5D-CD-0081-A	8.1	61	10	103	HA	HB
HN-5D-CD-0082-A	8.2	61	10	103	HA	HB
HN-5D-CD-0083-A	8.3	61	10	103	HA	HB
HN-5D-CD-0084-A	8.4	61	10	103	HA	HB
HN-5D-CD-0085-A	8.5	61	10	103	HA	HB
HN-5D-CD-0086-A	8.6	61	10	103	HA	HB
HN-5D-CD-0087-A	8.7	61	10	103	HA	HB
HN-5D-CD-0088-A	8.8	61	10	103	HA	HB
HN-5D-CD-0089-A	8.9	61	10	103	HA	HB
HN-5D-CD-0090-A	9	61	10	103	HA	HB
HN-5D-CD-0091-A	9.1	61	10	103	HA	HB

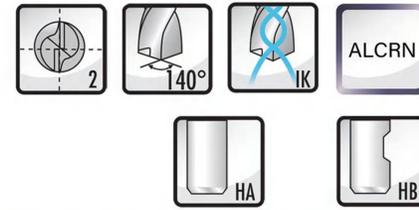
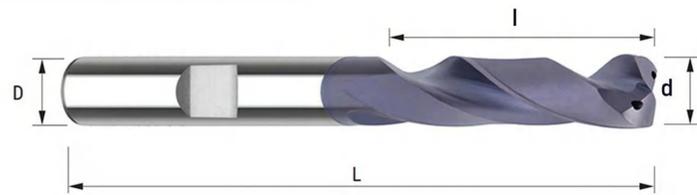
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0092-A	9.2	61	10	103	HA	HB
HN-5D-CD-0093-A	9.3	61	10	103	HA	HB
HN-5D-CD-0094-A	9.4	61	10	103	HA	HB
HN-5D-CD-0095-A	9.5	61	10	103	HA	HB
HN-5D-CD-0096-A	9.6	61	10	103	HA	HB
HN-5D-CD-0097-A	9.7	61	10	103	HA	HB
HN-5D-CD-0098-A	9.8	61	10	103	HA	HB
HN-5D-CD-0099-A	9.9	61	10	103	HA	HB
HN-5D-CD-0100-A	10	61	10	103	HA	HB
HN-5D-CD-0101-A	10.1	71	12	118	HA	HB
HN-5D-CD-0102-A	10.2	71	12	118	HA	HB
HN-5D-CD-0103-A	10.3	71	12	118	HA	HB
HN-5D-CD-0104-A	10.4	71	12	118	HA	HB
HN-5D-CD-0105-A	10.5	71	12	118	HA	HB
HN-5D-CD-0106-A	10.6	71	12	118	HA	HB
HN-5D-CD-0107-A	10.7	71	12	118	HA	HB
HN-5D-CD-0108-A	10.8	71	12	118	HA	HB
HN-5D-CD-0109-A	10.9	71	12	118	HA	HB
HN-5D-CD-0110-A	11	71	12	118	HA	HB
HN-5D-CD-0111-A	11.1	71	12	118	HA	HB

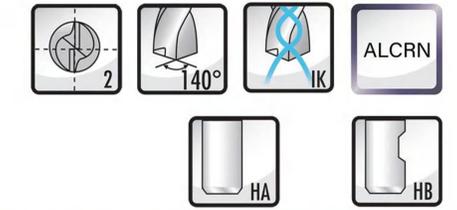
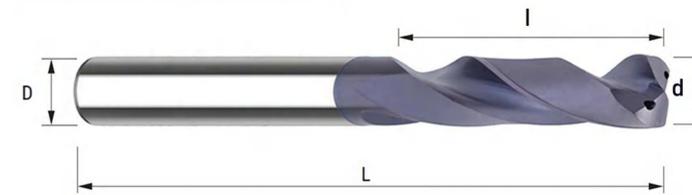
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0112-A	11.2	71	12	118	HA	HB
HN-5D-CD-0113-A	11.3	71	12	118	HA	HB
HN-5D-CD-0114-A	11.4	71	12	118	HA	HB
HN-5D-CD-0115-A	11.5	71	12	118	HA	HB
HN-5D-CD-0116-A	11.6	71	12	118	HA	HB
HN-5D-CD-0117-A	11.7	71	12	118	HA	HB
HN-5D-CD-0118-A	11.8	71	12	118	HA	HB
HN-5D-CD-0119-A	11.9	71	12	118	HA	HB
HN-5D-CD-0120-A	12	71	12	118	HA	HB
HN-5D-CD-0121-A	12.1	77	14	124	HA	HB
HN-5D-CD-0122-A	12.2	77	14	124	HA	HB
HN-5D-CD-0123-A	12.3	77	14	124	HA	HB
HN-5D-CD-0124-A	12.4	77	14	124	HA	HB
HN-5D-CD-0125-A	12.5	77	14	124	HA	HB
HN-5D-CD-0126-A	12.6	77	14	124	HA	HB
HN-5D-CD-0127-A	12.7	77	14	124	HA	HB
HN-5D-CD-0128-A	12.8	77	14	124	HA	HB
HN-5D-CD-0129-A	12.9	77	14	124	HA	HB
HN-5D-CD-0130-A	13	77	14	124	HA	HB
HN-5D-CD-0131-A	13.1	77	14	124	HA	HB
HN-5D-CD-0132-A	13.2	77	14	124	HA	HB
HN-5D-CD-0133-A	13.3	77	14	124	HA	HB

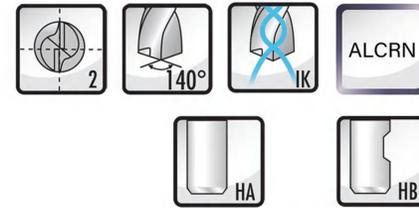
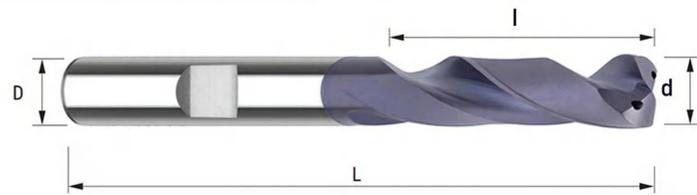
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0134-A	13.4	77	14	124	HA	HB
HN-5D-CD-0135-A	13.5	77	14	124	HA	HB
HN-5D-CD-0136-A	13.6	77	14	124	HA	HB
HN-5D-CD-0137-A	13.7	77	14	124	HA	HB
HN-5D-CD-0138-A	13.8	77	14	124	HA	HB
HN-5D-CD-0139-A	13.9	77	14	124	HA	HB
HN-5D-CD-0140-A	14	77	14	124	HA	HB
HN-5D-CD-0141-A	14.1	83	16	133	HA	HB
HN-5D-CD-0142-A	14.2	83	16	133	HA	HB
HN-5D-CD-0143-A	14.3	83	16	133	HA	HB
HN-5D-CD-0144-A	14.4	83	16	133	HA	HB
HN-5D-CD-0145-A	14.5	83	16	133	HA	HB
HN-5D-CD-0146-A	14.6	83	16	133	HA	HB
HN-5D-CD-0147-A	14.7	83	16	133	HA	HB
HN-5D-CD-0148-A	14.8	83	16	133	HA	HB
HN-5D-CD-0149-A	14.9	83	16	133	HA	HB
HN-5D-CD-0150-A	15	83	16	133	HA	HB
HN-5D-CD-0151-A	15.1	83	16	133	HA	HB
HN-5D-CD-0152-A	15.2	83	16	133	HA	HB
HN-5D-CD-0153-A	15.3	83	16	133	HA	HB
HN-5D-CD-0154-A	15.4	83	16	133	HA	HB
HN-5D-CD-0155-A	15.5	83	16	133	HA	HB

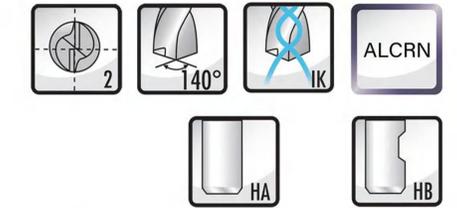
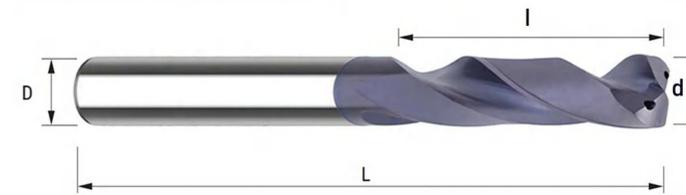
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0156-A	15.6	83	16	133	HA	HB
HN-5D-CD-0157-A	15.7	83	16	133	HA	HB
HN-5D-CD-0158-A	15.8	83	16	133	HA	HB
HN-5D-CD-0159-A	15.9	83	16	133	HA	HB
HN-5D-CD-0160-A	16	83	16	133	HA	HB
HN-5D-CD-0161-A	16.1	93	18	143	HA	HB
HN-5D-CD-0162-A	16.2	93	18	143	HA	HB
HN-5D-CD-0163-A	16.3	93	18	143	HA	HB
HN-5D-CD-0164-A	16.4	93	18	143	HA	HB
HN-5D-CD-0165-A	16.5	93	18	143	HA	HB
HN-5D-CD-0166-A	16.6	93	18	143	HA	HB
HN-5D-CD-0167-A	16.7	93	18	143	HA	HB
HN-5D-CD-0168-A	16.8	93	18	143	HA	HB
HN-5D-CD-0169-A	16.9	93	18	143	HA	HB
HN-5D-CD-0170-A	17	93	18	143	HA	HB
HN-5D-CD-0171-A	17.1	93	18	143	HA	HB
HN-5D-CD-0172-A	17.2	93	18	143	HA	HB
HN-5D-CD-0173-A	17.3	93	18	143	HA	HB
HN-5D-CD-0174-A	17.4	93	18	143	HA	HB
HN-5D-CD-0175-A	17.5	93	18	143	HA	HB
HN-5D-CD-0176-A	17.6	93	18	143	HA	HB
HN-5D-CD-0177-A	17.7	93	18	143	HA	HB

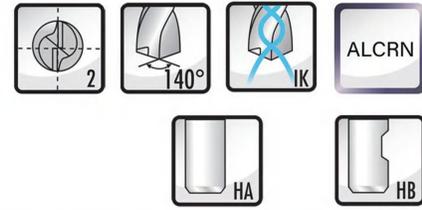
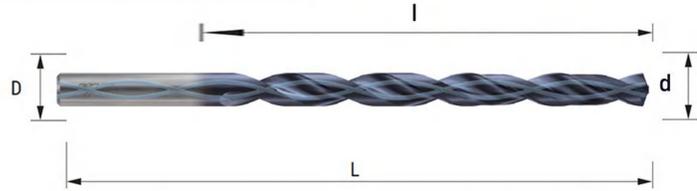
**HN-5D-CD 5D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-5D-CD-0178-A	17.8	93	18	143	HA	HB
HN-5D-CD-0179-A	17.9	93	18	143	HA	HB
HN-5D-CD-0180-A	18	93	18	143	HA	HB
HN-5D-CD-0181-A	18.1	101	20	153	HA	HB
HN-5D-CD-0182-A	18.2	101	20	153	HA	HB
HN-5D-CD-0183-A	18.3	101	20	153	HA	HB
HN-5D-CD-0184-A	18.4	101	20	153	HA	HB
HN-5D-CD-0185-A	18.5	101	20	153	HA	HB
HN-5D-CD-0186-A	18.6	101	20	153	HA	HB
HN-5D-CD-0187-A	18.7	101	20	153	HA	HB
HN-5D-CD-0188-A	18.8	101	20	153	HA	HB
HN-5D-CD-0189-A	18.9	101	20	153	HA	HB
HN-5D-CD-0190-A	19	101	20	153	HA	HB
HN-5D-CD-0191-A	19.1	101	20	153	HA	HB
HN-5D-CD-0192-A	19.2	101	20	153	HA	HB
HN-5D-CD-0193-A	19.3	101	20	153	HA	HB
HN-5D-CD-0194-A	19.4	101	20	153	HA	HB
HN-5D-CD-0195-A	19.5	101	20	153	HA	HB
HN-5D-CD-0196-A	19.6	101	20	153	HA	HB
HN-5D-CD-0197-A	19.7	101	20	153	HA	HB
HN-5D-CD-0198-A	19.8	101	20	153	HA	HB
HN-5D-CD-0199-A	19.9	101	20	153	HA	HB
HN-5D-CD-0200-A	20	101	20	153	HA	HB

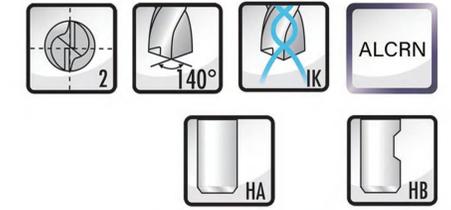
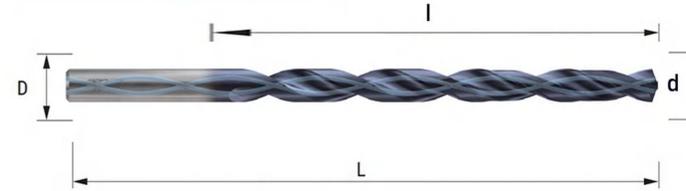
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0030-A	3	34	6	72	HA	HB
HN-8D-CD-0031-A	3.1	34	6	72	HA	HB
HN-8D-CD-0032-A	3.2	34	6	72	HA	HB
HN-8D-CD-0033-A	3.3	34	6	72	HA	HB
HN-8D-CD-0034-A	3.4	34	6	72	HA	HB
HN-8D-CD-0035-A	3.5	34	6	72	HA	HB
HN-8D-CD-0036-A	3.6	34	6	72	HA	HB
HN-8D-CD-0037-A	3.7	34	6	72	HA	HB
HN-8D-CD-0038-A	3.8	43	6	81	HA	HB
HN-8D-CD-0039-A	3.9	43	6	81	HA	HB
HN-8D-CD-0040-A	4	43	6	81	HA	HB
HN-8D-CD-0041-A	4.1	43	6	81	HA	HB
HN-8D-CD-0042-A	4.2	43	6	81	HA	HB
HN-8D-CD-0043-A	4.3	43	6	81	HA	HB
HN-8D-CD-0044-A	4.4	43	6	81	HA	HB
HN-8D-CD-0045-A	4.5	43	6	81	HA	HB
HN-8D-CD-0046-A	4.6	43	6	81	HA	HB
HN-8D-CD-0047-A	4.7	43	6	81	HA	HB
HN-8D-CD-0048-A	4.8	57	6	95	HA	HB
HN-8D-CD-0049-A	4.9	57	6	95	HA	HB
HN-8D-CD-0050-A	5	57	6	95	HA	HB

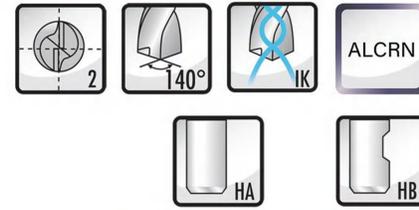
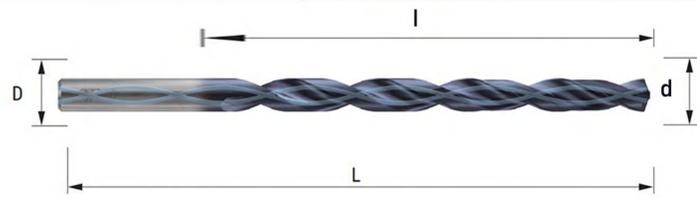
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0051-A	5.1	57	6	95	HA	HB
HN-8D-CD-0052-A	5.2	57	6	95	HA	HB
HN-8D-CD-0053-A	5.3	57	6	95	HA	HB
HN-8D-CD-0054-A	5.4	57	6	95	HA	HB
HN-8D-CD-0055-A	5.5	57	6	95	HA	HB
HN-8D-CD-0056-A	5.6	57	6	95	HA	HB
HN-8D-CD-0057-A	5.7	57	6	95	HA	HB
HN-8D-CD-0058-A	5.8	57	6	95	HA	HB
HN-8D-CD-0059-A	5.9	57	6	95	HA	HB
HN-8D-CD-0060-A	6	57	6	95	HA	HB
HN-8D-CD-0061-A	6.1	76	8	114	HA	HB
HN-8D-CD-0062-A	6.2	76	8	114	HA	HB
HN-8D-CD-0063-A	6.3	76	8	114	HA	HB
HN-8D-CD-0064-A	6.4	76	8	114	HA	HB
HN-8D-CD-0065-A	6.5	76	8	114	HA	HB
HN-8D-CD-0066-A	6.6	76	8	114	HA	HB
HN-8D-CD-0067-A	6.7	76	8	114	HA	HB
HN-8D-CD-0068-A	6.8	76	8	114	HA	HB
HN-8D-CD-0069-A	6.9	76	8	114	HA	HB
HN-8D-CD-0070-A	7	76	8	114	HA	HB
HN-8D-CD-0071-A	7.1	76	8	114	HA	HB
HN-8D-CD-0072-A	7.2	76	8	114	HA	HB

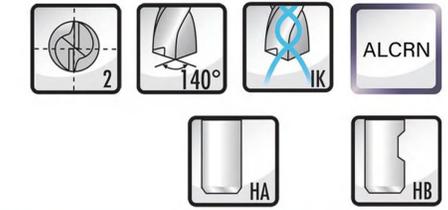
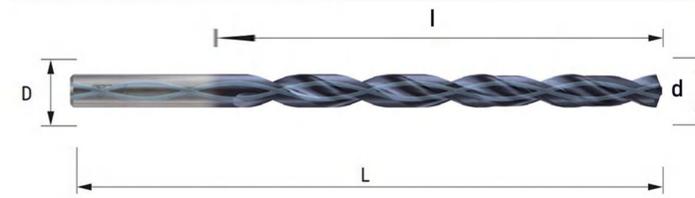
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0073-A	7.3	76	8	114	HA	HB
HN-8D-CD-0074-A	7.4	76	8	114	HA	HB
HN-8D-CD-0075-A	7.5	76	8	114	HA	HB
HN-8D-CD-0076-A	7.6	76	8	114	HA	HB
HN-8D-CD-0077-A	7.7	76	8	114	HA	HB
HN-8D-CD-0078-A	7.8	76	8	114	HA	HB
HN-8D-CD-0079-A	7.9	76	8	114	HA	HB
HN-8D-CD-0080-A	8	76	8	114	HA	HB
HN-8D-CD-0081-A	8.1	95	10	142	HA	HB
HN-8D-CD-0082-A	8.2	95	10	142	HA	HB
HN-8D-CD-0083-A	8.3	95	10	142	HA	HB
HN-8D-CD-0084-A	8.4	95	10	142	HA	HB
HN-8D-CD-0085-A	8.5	95	10	142	HA	HB
HN-8D-CD-0086-A	8.6	95	10	142	HA	HB
HN-8D-CD-0087-A	8.7	95	10	142	HA	HB
HN-8D-CD-0088-A	8.8	95	10	142	HA	HB
HN-8D-CD-0089-A	8.9	95	10	142	HA	HB
HN-8D-CD-0090-A	9	95	10	142	HA	HB
HN-8D-CD-0091-A	9.1	95	10	142	HA	HB
HN-8D-CD-0092-A	9.2	95	10	142	HA	HB
HN-8D-CD-0093-A	9.3	95	10	142	HA	HB

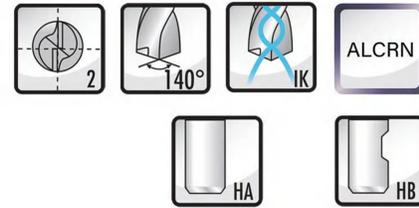
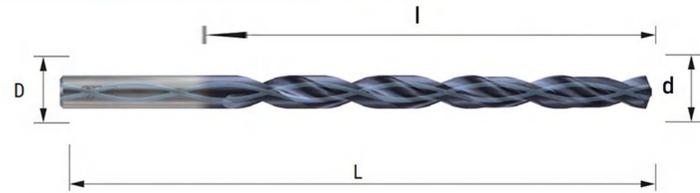
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0094-A	9.4	95	10	142	HA	HB
HN-8D-CD-0095-A	9.5	95	10	142	HA	HB
HN-8D-CD-0096-A	9.6	95	10	142	HA	HB
HN-8D-CD-0097-A	9.7	95	10	142	HA	HB
HN-8D-CD-0098-A	9.8	95	10	142	HA	HB
HN-8D-CD-0099-A	9.9	95	10	142	HA	HB
HN-8D-CD-0100-A	10	95	10	142	HA	HB
HN-8D-CD-0101-A	10.1	114	12	162	HA	HB
HN-8D-CD-0102-A	10.2	114	12	162	HA	HB
HN-8D-CD-0103-A	10.3	114	12	162	HA	HB
HN-8D-CD-0104-A	10.4	114	12	162	HA	HB
HN-8D-CD-0105-A	10.5	114	12	162	HA	HB
HN-8D-CD-0106-A	10.6	114	12	162	HA	HB
HN-8D-CD-0107-A	10.7	114	12	162	HA	HB
HN-8D-CD-0108-A	10.8	114	12	162	HA	HB
HN-8D-CD-0109-A	10.9	114	12	162	HA	HB
HN-8D-CD-0110-A	11	114	12	162	HA	HB
HN-8D-CD-0111-A	11.1	114	12	162	HA	HB
HN-8D-CD-0112-A	11.2	114	12	162	HA	HB
HN-8D-CD-0113-A	11.3	114	12	162	HA	HB
HN-8D-CD-0114-A	11.4	114	12	162	HA	HB
HN-8D-CD-0115-A	11.5	114	12	162	HA	HB

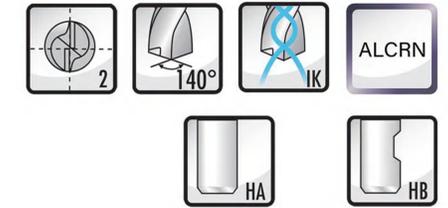
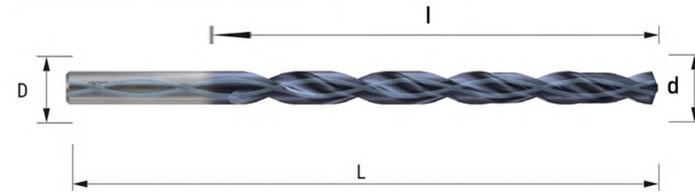
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0116-A	11.6	114	12	162	HA	HB
HN-8D-CD-0117-A	11.7	114	12	162	HA	HB
HN-8D-CD-0118-A	11.8	114	12	162	HA	HB
HN-8D-CD-0119-A	11.9	114	12	162	HA	HB
HN-8D-CD-0120-A	12	114	12	162	HA	HB
HN-8D-CD-0121-A	12.1	133	14	178	HA	HB
HN-8D-CD-0122-A	12.2	133	14	178	HA	HB
HN-8D-CD-0123-A	12.3	133	14	178	HA	HB
HN-8D-CD-0124-A	12.4	133	14	178	HA	HB
HN-8D-CD-0125-A	12.5	133	14	178	HA	HB
HN-8D-CD-0126-A	12.6	133	14	178	HA	HB
HN-8D-CD-0127-A	12.7	133	14	178	HA	HB
HN-8D-CD-0128-A	12.8	133	14	178	HA	HB
HN-8D-CD-0129-A	12.9	133	14	178	HA	HB
HN-8D-CD-0130-A	13	133	14	178	HA	HB
HN-8D-CD-0131-A	13.1	133	14	178	HA	HB
HN-8D-CD-0132-A	13.2	133	14	178	HA	HB
HN-8D-CD-0133-A	13.3	133	14	178	HA	HB
HN-8D-CD-0134-A	13.4	133	14	178	HA	HB
HN-8D-CD-0135-A	13.5	133	14	178	HA	HB
HN-8D-CD-0136-A	13.6	133	14	178	HA	HB

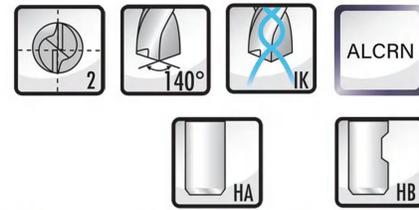
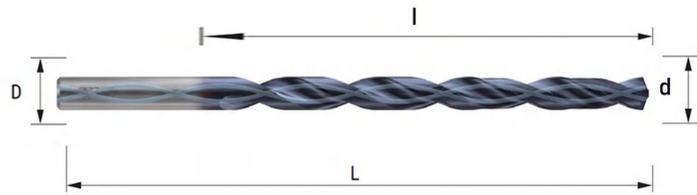
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0137-A	13.7	133	14	178	HA	HB
HN-8D-CD-0138-A	13.8	133	14	178	HA	HB
HN-8D-CD-0139-A	13.9	133	14	178	HA	HB
HN-8D-CD-0140-A	14	133	14	178	HA	HB
HN-8D-CD-0141-A	14.1	152	16	203	HA	HB
HN-8D-CD-0142-A	14.2	152	16	203	HA	HB
HN-8D-CD-0143-A	14.3	152	16	203	HA	HB
HN-8D-CD-0144-A	14.4	152	16	203	HA	HB
HN-8D-CD-0145-A	14.5	152	16	203	HA	HB
HN-8D-CD-0146-A	14.6	152	16	203	HA	HB
HN-8D-CD-0147-A	14.7	152	16	203	HA	HB
HN-8D-CD-0148-A	14.8	152	16	203	HA	HB
HN-8D-CD-0149-A	14.9	152	16	203	HA	HB
HN-8D-CD-0150-A	15	152	16	203	HA	HB
HN-8D-CD-0151-A	15.1	152	16	203	HA	HB
HN-8D-CD-0152-A	15.2	152	16	203	HA	HB
HN-8D-CD-0153-A	15.3	152	16	203	HA	HB
HN-8D-CD-0154-A	15.4	152	16	203	HA	HB
HN-8D-CD-0155-A	15.5	152	16	203	HA	HB
HN-8D-CD-0156-A	15.6	152	16	203	HA	HB
HN-8D-CD-0157-A	15.7	152	16	203	HA	HB
HN-8D-CD-0158-A	15.8	152	16	203	HA	HB

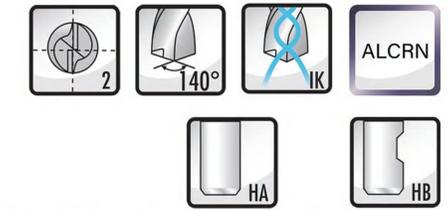
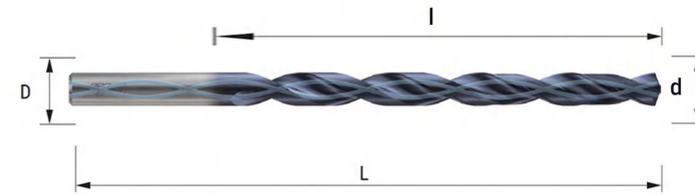
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0159-A	15.9	152	16	203	HA	HB
HN-8D-CD-0160-A	16	152	16	203	HA	HB
HN-8D-CD-0161-A	16.1	171	18	222	HA	HB
HN-8D-CD-0162-A	16.2	171	18	222	HA	HB
HN-8D-CD-0163-A	16.3	171	18	222	HA	HB
HN-8D-CD-0164-A	16.4	171	18	222	HA	HB
HN-8D-CD-0165-A	16.5	171	18	222	HA	HB
HN-8D-CD-0166-A	16.6	171	18	222	HA	HB
HN-8D-CD-0167-A	16.7	171	18	222	HA	HB
HN-8D-CD-0168-A	16.8	171	18	222	HA	HB
HN-8D-CD-0169-A	16.9	171	18	222	HA	HB
HN-8D-CD-0170-A	17	171	18	222	HA	HB
HN-8D-CD-0171-A	17.1	171	18	222	HA	HB
HN-8D-CD-0172-A	17.2	171	18	222	HA	HB
HN-8D-CD-0173-A	17.3	171	18	222	HA	HB
HN-8D-CD-0174-A	17.4	171	18	222	HA	HB
HN-8D-CD-0175-A	17.5	171	18	222	HA	HB
HN-8D-CD-0176-A	17.6	171	18	222	HA	HB
HN-8D-CD-0177-A	17.7	171	18	222	HA	HB
HN-8D-CD-0178-A	17.8	171	18	222	HA	HB
HN-8D-CD-0179-A	17.9	171	18	222	HA	HB

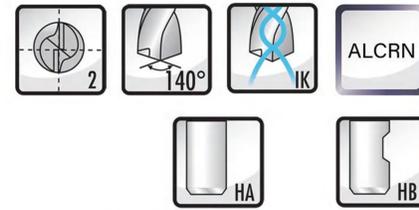
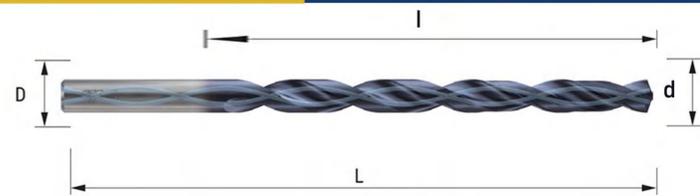
**HN-8D-CD 8D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-8D-CD-0180-A	18	171	18	222	HA	HB
HN-8D-CD-0181-A	18.1	190	20	243	HA	HB
HN-8D-CD-0182-A	18.2	190	20	243	HA	HB
HN-8D-CD-0183-A	18.3	190	20	243	HA	HB
HN-8D-CD-0184-A	18.4	190	20	243	HA	HB
HN-8D-CD-0185-A	18.5	190	20	243	HA	HB
HN-8D-CD-0186-A	18.6	190	20	243	HA	HB
HN-8D-CD-0187-A	18.7	190	20	243	HA	HB
HN-8D-CD-0188-A	18.8	190	20	243	HA	HB
HN-8D-CD-0189-A	18.9	190	20	243	HA	HB
HN-8D-CD-0190-A	19	190	20	243	HA	HB
HN-8D-CD-0191-A	19.1	190	20	243	HA	HB
HN-8D-CD-0192-A	19.2	190	20	243	HA	HB
HN-8D-CD-0193-A	19.3	190	20	243	HA	HB
HN-8D-CD-0194-A	19.4	190	20	243	HA	HB
HN-8D-CD-0195-A	19.5	190	20	243	HA	HB
HN-8D-CD-0196-A	19.6	190	20	243	HA	HB
HN-8D-CD-0197-A	19.7	190	20	243	HA	HB
HN-8D-CD-0198-A	19.8	190	20	243	HA	HB
HN-8D-CD-0199-A	19.9	190	20	243	HA	HB
HN-8D-CD-0200-A	20	190	20	243	HA	HB

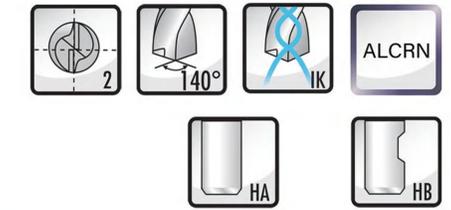
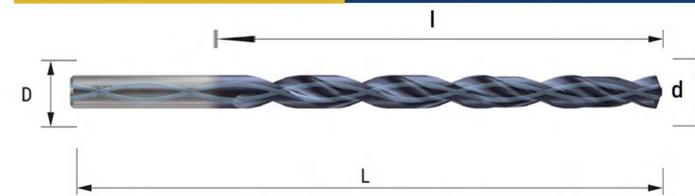
**HN-10D-CD 10D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-10D-CD-0030-A	3	39	3	90	HA	HB
HN-10D-CD-0031-A	3.1	46	4	97	HA	HB
HN-10D-CD-0032-A	3.2	46	4	97	HA	HB
HN-10D-CD-0033-A	3.3	46	4	97	HA	HB
HN-10D-CD-0034-A	3.4	46	4	97	HA	HB
HN-10D-CD-0035-A	3.5	46	4	97	HA	HB
HN-10D-CD-0036-A	3.6	52	4	103	HA	HB
HN-10D-CD-0037-A	3.7	52	4	103	HA	HB
HN-10D-CD-0038-A	3.8	52	4	103	HA	HB
HN-10D-CD-0039-A	3.9	52	4	103	HA	HB
HN-10D-CD-0040-A	4	52	4	103	HA	HB
HN-10D-CD-0041-A	4.1	59	5	112	HA	HB
HN-10D-CD-0042-A	4.2	59	5	112	HA	HB
HN-10D-CD-0043-A	4.3	59	5	112	HA	HB
HN-10D-CD-0044-A	4.4	59	5	112	HA	HB
HN-10D-CD-0045-A	4.5	59	5	112	HA	HB
HN-10D-CD-0046-A	4.6	65	5	118	HA	HB
HN-10D-CD-0047-A	4.7	65	5	118	HA	HB
HN-10D-CD-0048-A	4.8	65	5	118	HA	HB
HN-10D-CD-0049-A	4.9	65	5	118	HA	HB
HN-10D-CD-0050-A	5	65	5	118	HA	HB
HN-10D-CD-0051-A	5.1	72	6	127	HA	HB

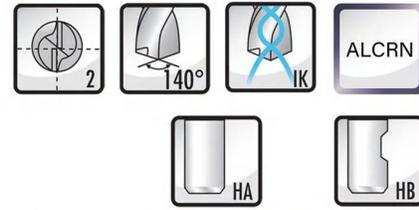
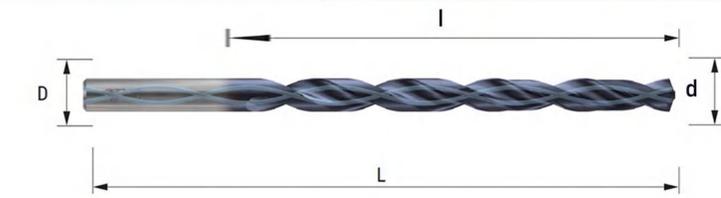
**HN-10D-CD 10D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-10D-CD-0052-A	5.2	72	6	127	HA	HB
HN-10D-CD-0053-A	5.3	72	6	127	HA	HB
HN-10D-CD-0054-A	5.4	72	6	127	HA	HB
HN-10D-CD-0055-A	5.5	72	6	127	HA	HB
HN-10D-CD-0056-A	5.6	78	6	133	HA	HB
HN-10D-CD-0057-A	5.7	78	6	133	HA	HB
HN-10D-CD-0058-A	5.8	78	6	133	HA	HB
HN-10D-CD-0059-A	5.9	78	6	133	HA	HB
HN-10D-CD-0060-A	6	78	6	133	HA	HB
HN-10D-CD-0061-A	6.1	85	7	141	HA	HB
HN-10D-CD-0062-A	6.2	85	7	141	HA	HB
HN-10D-CD-0063-A	6.3	85	7	141	HA	HB
HN-10D-CD-0064-A	6.4	85	7	141	HA	HB
HN-10D-CD-0065-A	6.5	85	7	141	HA	HB
HN-10D-CD-0066-A	6.6	91	7	147	HA	HB
HN-10D-CD-0067-A	6.7	91	7	147	HA	HB
HN-10D-CD-0068-A	6.8	91	7	147	HA	HB
HN-10D-CD-0069-A	6.9	91	7	147	HA	HB
HN-10D-CD-0070-A	7	91	7	147	HA	HB
HN-10D-CD-0071-A	7.1	98	8	155	HA	HB
HN-10D-CD-0072-A	7.2	98	8	155	HA	HB
HN-10D-CD-0073-A	7.3	98	8	155	HA	HB

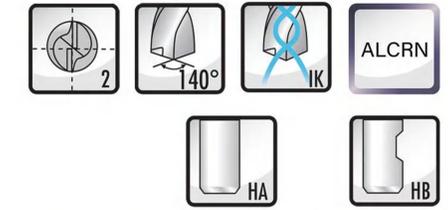
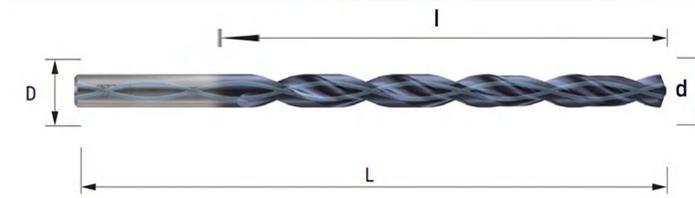
**HN-10D-CD 10D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-10D-CD-0074-A	7.4	98	8	155	HA	HB
HN-10D-CD-0075-A	7.5	98	8	155	HA	HB
HN-10D-CD-0076-A	7.6	104	8	161	HA	HB
HN-10D-CD-0077-A	7.7	104	8	161	HA	HB
HN-10D-CD-0078-A	7.8	104	8	161	HA	HB
HN-10D-CD-0079-A	7.9	104	8	161	HA	HB
HN-10D-CD-0080-A	8	104	8	161	HA	HB
HN-10D-CD-0081-A	8.1	111	9	169	HA	HB
HN-10D-CD-0082-A	8.2	111	9	169	HA	HB
HN-10D-CD-0083-A	8.3	111	9	169	HA	HB
HN-10D-CD-0084-A	8.4	111	9	169	HA	HB
HN-10D-CD-0085-A	8.5	111	9	169	HA	HB
HN-10D-CD-0086-A	8.6	117	9	175	HA	HB
HN-10D-CD-0087-A	8.7	117	9	175	HA	HB
HN-10D-CD-0088-A	8.8	117	9	175	HA	HB
HN-10D-CD-0089-A	8.9	117	9	175	HA	HB
HN-10D-CD-0090-A	9	117	9	175	HA	HB
HN-10D-CD-0091-A	9.1	124	10	182	HA	HB
HN-10D-CD-0092-A	9.2	124	10	182	HA	HB
HN-10D-CD-0093-A	9.3	124	10	182	HA	HB
HN-10D-CD-0094-A	9.4	124	10	182	HA	HB
HN-10D-CD-0095-A	9.5	124	10	182	HA	HB

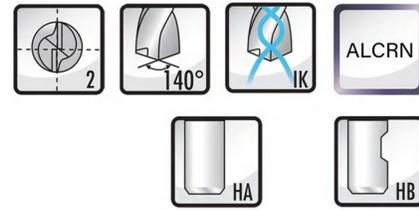
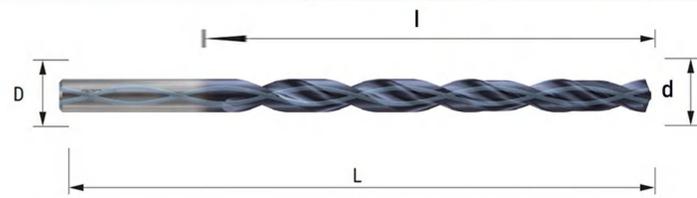
**HN-10D-CD 10D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-10D-CD-0096-A	9.6	130	10	188	HA	HB
HN-10D-CD-0097-A	9.7	130	10	188	HA	HB
HN-10D-CD-0098-A	9.8	130	10	188	HA	HB
HN-10D-CD-0099-A	9.9	130	10	188	HA	HB
HN-10D-CD-0100-A	10	130	10	188	HA	HB
HN-10D-CD-0101-A	10.1	137	11	201	HA	HB
HN-10D-CD-0102-A	10.2	137	11	201	HA	HB
HN-10D-CD-0103-A	10.3	137	11	201	HA	HB
HN-10D-CD-0104-A	10.4	137	11	201	HA	HB
HN-10D-CD-0105-A	10.5	137	11	201	HA	HB
HN-10D-CD-0106-A	10.6	143	11	207	HA	HB
HN-10D-CD-0107-A	10.7	143	11	207	HA	HB
HN-10D-CD-0108-A	10.8	143	11	207	HA	HB
HN-10D-CD-0109-A	10.9	143	11	207	HA	HB
HN-10D-CD-0110-A	11	143	11	207	HA	HB
HN-10D-CD-0111-A	11.1	150	12	215	HA	HB
HN-10D-CD-0112-A	11.2	150	12	215	HA	HB
HN-10D-CD-0113-A	11.3	150	12	215	HA	HB
HN-10D-CD-0114-A	11.4	150	12	215	HA	HB
HN-10D-CD-0115-A	11.5	150	12	215	HA	HB
HN-10D-CD-0116-A	11.6	156	12	221	HA	HB
HN-10D-CD-0117-A	11.7	156	12	221	HA	HB

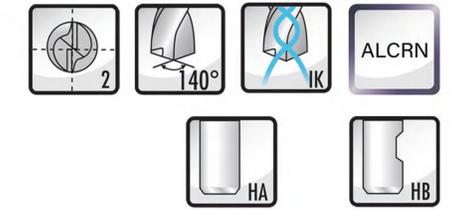
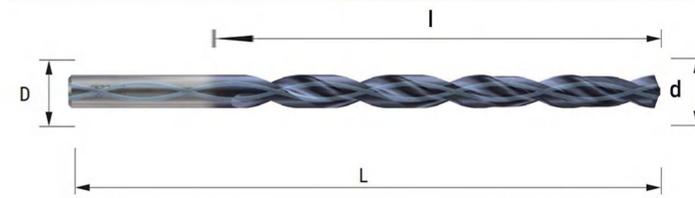
## HN-10D-CD 10D CARBIDE DRILL WITH COOLING HOLE



unit: mm

Order Number	d	l	D	L	HA	HB
HN-10D-CD-0118-A	11.8	156	12	221	HA	HB
HN-10D-CD-0119-A	11.9	156	12	221	HA	HB
HN-10D-CD-0120-A	12	156	12	221	HA	HB
HN-10D-CD-0121-A	12.1	163	13	229	HA	HB
HN-10D-CD-0122-A	12.2	163	13	229	HA	HB
HN-10D-CD-0123-A	12.3	163	13	229	HA	HB
HN-10D-CD-0124-A	12.4	163	13	229	HA	HB
HN-10D-CD-0125-A	12.5	163	13	229	HA	HB
HN-10D-CD-0126-A	12.6	169	13	235	HA	HB
HN-10D-CD-0127-A	12.7	169	13	235	HA	HB
HN-10D-CD-0128-A	12.8	169	13	235	HA	HB
HN-10D-CD-0129-A	12.9	169	13	235	HA	HB
HN-10D-CD-0130-A	13	169	13	235	HA	HB
HN-10D-CD-0131-A	13.1	176	14	243	HA	HB
HN-10D-CD-0132-A	13.2	176	14	243	HA	HB
HN-10D-CD-0133-A	13.3	176	14	243	HA	HB
HN-10D-CD-0134-A	13.4	176	14	243	HA	HB
HN-10D-CD-0135-A	13.5	176	14	243	HA	HB
HN-10D-CD-0136-A	13.6	182	14	249	HA	HB
HN-10D-CD-0137-A	13.7	182	14	249	HA	HB
HN-10D-CD-0138-A	13.8	182	14	249	HA	HB
HN-10D-CD-0139-A	13.9	182	14	249	HA	HB
HN-10D-CD-0140-A	14	182	14	249	HA	HB

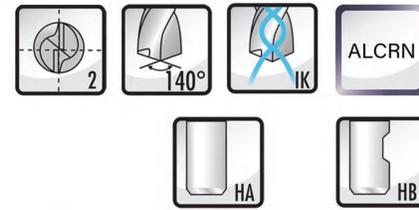
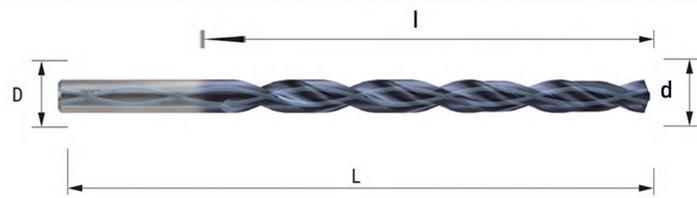
## HN-15D-CD 15D CARBIDE DRILL WITH COOLING HOLE



unit: mm

Order Number	d	l	D	L	HA	HB
HN-15D-CD-0030-A	3	54	3	105	HA	HB
HN-15D-CD-0031-A	3.1	63	4	114	HA	HB
HN-15D-CD-0032-A	3.2	63	4	114	HA	HB
HN-15D-CD-0033-A	3.3	63	4	114	HA	HB
HN-15D-CD-0034-A	3.4	63	4	114	HA	HB
HN-15D-CD-0035-A	3.5	63	4	114	HA	HB
HN-15D-CD-0036-A	3.6	72	4	123	HA	HB
HN-15D-CD-0037-A	3.7	72	4	123	HA	HB
HN-15D-CD-0038-A	3.8	72	4	123	HA	HB
HN-15D-CD-0039-A	3.9	72	4	123	HA	HB
HN-15D-CD-0040-A	4	72	4	123	HA	HB
HN-15D-CD-0041-A	4.1	81	5	134	HA	HB
HN-15D-CD-0042-A	4.2	81	5	134	HA	HB
HN-15D-CD-0043-A	4.3	81	5	134	HA	HB
HN-15D-CD-0044-A	4.4	81	5	134	HA	HB
HN-15D-CD-0045-A	4.5	81	5	134	HA	HB
HN-15D-CD-0046-A	4.6	90	5	143	HA	HB
HN-15D-CD-0047-A	4.7	90	5	143	HA	HB
HN-15D-CD-0048-A	4.8	90	5	143	HA	HB
HN-15D-CD-0049-A	4.9	90	5	143	HA	HB
HN-15D-CD-0050-A	5	90	5	143	HA	HB
HN-15D-CD-0051-A	5.1	99	6	154	HA	HB

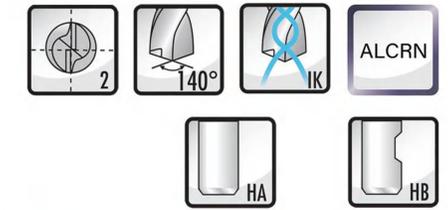
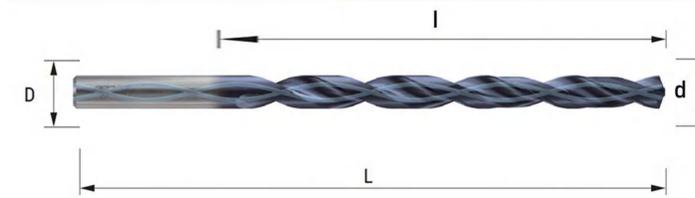
**HN-15D-CD 15D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-15D-CD-0052-A	5.2	99	6	154	HA	HB
HN-15D-CD-0053-A	5.3	99	6	154	HA	HB
HN-15D-CD-0054-A	5.4	99	6	154	HA	HB
HN-15D-CD-0055-A	5.5	99	6	154	HA	HB
HN-15D-CD-0056-A	5.6	108	6	163	HA	HB
HN-15D-CD-0057-A	5.7	108	6	163	HA	HB
HN-15D-CD-0058-A	5.8	108	6	163	HA	HB
HN-15D-CD-0059-A	5.9	108	6	163	HA	HB
HN-15D-CD-0060-A	6	108	6	163	HA	HB
HN-15D-CD-0061-A	6.1	117	7	173	HA	HB
HN-15D-CD-0062-A	6.2	117	7	173	HA	HB
HN-15D-CD-0063-A	6.3	117	7	173	HA	HB
HN-15D-CD-0064-A	6.4	117	7	173	HA	HB
HN-15D-CD-0065-A	6.5	117	7	173	HA	HB
HN-15D-CD-0066-A	6.6	126	7	182	HA	HB
HN-15D-CD-0067-A	6.7	126	7	182	HA	HB
HN-15D-CD-0068-A	6.8	126	7	182	HA	HB
HN-15D-CD-0069-A	6.9	126	7	182	HA	HB
HN-15D-CD-0070-A	7	126	7	182	HA	HB
HN-15D-CD-0071-A	7.1	135	8	192	HA	HB
HN-15D-CD-0072-A	7.2	135	8	192	HA	HB
HN-15D-CD-0073-A	7.3	135	8	192	HA	HB

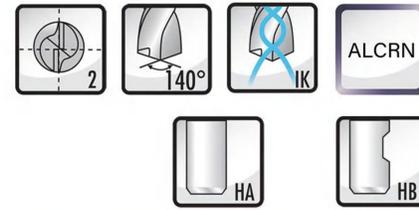
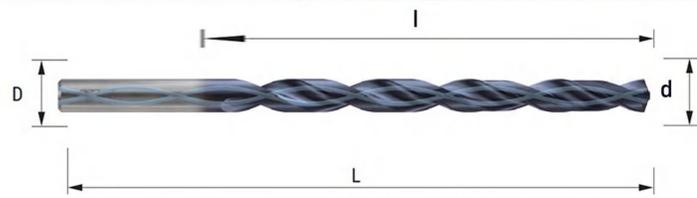
**HN-15D-CD 15D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-15D-CD-0074-A	7.4	135	8	192	HA	HB
HN-15D-CD-0075-A	7.5	135	8	192	HA	HB
HN-15D-CD-0076-A	7.6	144	8	201	HA	HB
HN-15D-CD-0077-A	7.7	144	8	201	HA	HB
HN-15D-CD-0078-A	7.8	144	8	201	HA	HB
HN-15D-CD-0079-A	7.9	144	8	201	HA	HB
HN-15D-CD-0080-A	8	144	8	201	HA	HB
HN-15D-CD-0081-A	8.1	153	9	211	HA	HB
HN-15D-CD-0082-A	8.2	153	9	211	HA	HB
HN-15D-CD-0083-A	8.3	153	9	211	HA	HB
HN-15D-CD-0084-A	8.4	153	9	211	HA	HB
HN-15D-CD-0085-A	8.5	153	9	211	HA	HB
HN-15D-CD-0086-A	8.6	162	9	220	HA	HB
HN-15D-CD-0087-A	8.7	162	9	220	HA	HB
HN-15D-CD-0088-A	8.8	162	9	220	HA	HB
HN-15D-CD-0089-A	8.9	162	9	220	HA	HB
HN-15D-CD-0090-A	9	162	9	220	HA	HB
HN-15D-CD-0091-A	9.1	171	10	229	HA	HB
HN-15D-CD-0092-A	9.2	171	10	229	HA	HB
HN-15D-CD-0093-A	9.3	171	10	229	HA	HB
HN-15D-CD-0094-A	9.4	171	10	229	HA	HB
HN-15D-CD-0095-A	9.5	171	10	229	HA	HB

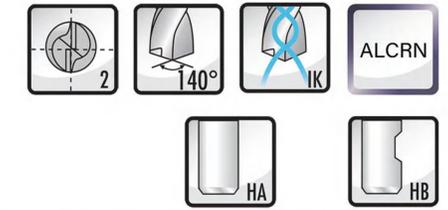
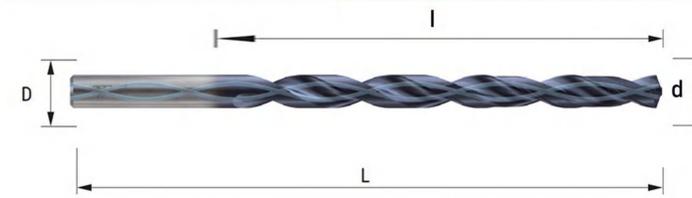
**HN-15D-CD 15D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-15D-CD-0096-A	9.6	180	10	238	HA	HB
HN-15D-CD-0097-A	9.7	180	10	238	HA	HB
HN-15D-CD-0098-A	9.8	180	10	238	HA	HB
HN-15D-CD-0099-A	9.9	180	10	238	HA	HB
HN-15D-CD-0100-A	10	180	10	238	HA	HB
HN-15D-CD-0101-A	10.1	189	11	253	HA	HB
HN-15D-CD-0102-A	10.2	189	11	253	HA	HB
HN-15D-CD-0103-A	10.3	189	11	253	HA	HB
HN-15D-CD-0104-A	10.4	189	11	253	HA	HB
HN-15D-CD-0105-A	10.5	189	11	253	HA	HB
HN-15D-CD-0106-A	10.6	198	11	262	HA	HB
HN-15D-CD-0107-A	10.7	198	11	262	HA	HB
HN-15D-CD-0108-A	10.8	198	11	262	HA	HB
HN-15D-CD-0109-A	10.9	198	11	262	HA	HB
HN-15D-CD-0110-A	11	198	11	262	HA	HB
HN-15D-CD-0111-A	11.1	207	12	272	HA	HB
HN-15D-CD-0112-A	11.2	207	12	272	HA	HB
HN-15D-CD-0113-A	11.3	207	12	272	HA	HB
HN-15D-CD-0114-A	11.4	207	12	272	HA	HB
HN-15D-CD-0115-A	11.5	207	12	272	HA	HB
HN-15D-CD-0116-A	11.6	216	12	281	HA	HB
HN-15D-CD-0117-A	11.7	216	12	281	HA	HB

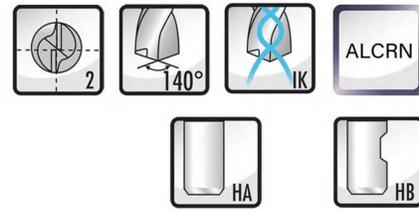
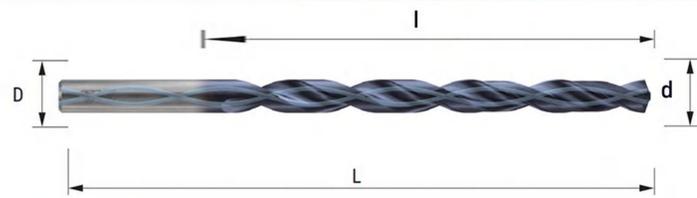
**HN-15D-CD 15D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-15D-CD-0118-A	11.8	216	12	281	HA	HB
HN-15D-CD-0119-A	11.9	216	12	281	HA	HB
HN-15D-CD-0120-A	12	216	12	281	HA	HB
HN-15D-CD-0121-A	12.1	225	13	291	HA	HB
HN-15D-CD-0122-A	12.2	225	13	291	HA	HB
HN-15D-CD-0123-A	12.3	225	13	291	HA	HB
HN-15D-CD-0124-A	12.4	225	13	291	HA	HB
HN-15D-CD-0125-A	12.5	225	13	291	HA	HB
HN-15D-CD-0126-A	12.6	234	13	300	HA	HB
HN-15D-CD-0127-A	12.7	234	13	300	HA	HB
HN-15D-CD-0128-A	12.8	234	13	300	HA	HB
HN-15D-CD-0129-A	12.9	234	13	300	HA	HB
HN-15D-CD-0130-A	13	234	13	300	HA	HB
HN-15D-CD-0131-A	13.1	243	14	310	HA	HB
HN-15D-CD-0132-A	13.2	243	14	310	HA	HB
HN-15D-CD-0133-A	13.3	243	14	310	HA	HB
HN-15D-CD-0134-A	13.4	243	14	310	HA	HB
HN-15D-CD-0135-A	13.5	243	14	310	HA	HB
HN-15D-CD-0136-A	13.6	252	14	319	HA	HB
HN-15D-CD-0137-A	13.7	252	14	319	HA	HB
HN-15D-CD-0138-A	13.8	252	14	319	HA	HB
HN-15D-CD-0139-A	13.9	252	14	319	HA	HB
HN-15D-CD-0140-A	14	252	14	319	HA	HB

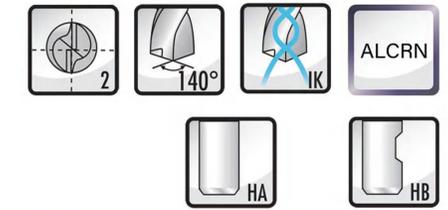
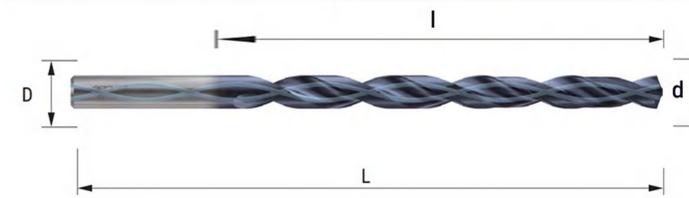
**HN-20D-CD 20D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-20D-CD-0030-A	3	69	3	120	HA	HB
HN-20D-CD-0031-A	3.1	81	4	132	HA	HB
HN-20D-CD-0032-A	3.2	81	4	132	HA	HB
HN-20D-CD-0033-A	3.3	81	4	132	HA	HB
HN-20D-CD-0034-A	3.4	81	4	132	HA	HB
HN-20D-CD-0035-A	3.5	81	4	132	HA	HB
HN-20D-CD-0036-A	3.6	92	4	143	HA	HB
HN-20D-CD-0037-A	3.7	92	4	143	HA	HB
HN-20D-CD-0038-A	3.8	92	4	143	HA	HB
HN-20D-CD-0039-A	3.9	92	4	143	HA	HB
HN-20D-CD-0040-A	4	92	4	143	HA	HB
HN-20D-CD-0041-A	4.1	104	5	157	HA	HB
HN-20D-CD-0042-A	4.2	104	5	157	HA	HB
HN-20D-CD-0043-A	4.3	104	5	157	HA	HB
HN-20D-CD-0044-A	4.4	104	5	157	HA	HB
HN-20D-CD-0045-A	4.5	104	5	157	HA	HB
HN-20D-CD-0046-A	4.6	115	5	168	HA	HB
HN-20D-CD-0047-A	4.7	115	5	168	HA	HB
HN-20D-CD-0048-A	4.8	115	5	168	HA	HB
HN-20D-CD-0049-A	4.9	115	5	168	HA	HB
HN-20D-CD-0050-A	5	115	5	168	HA	HB
HN-20D-CD-0051-A	5.1	127	6	182	HA	HB
HN-20D-CD-0052-A	5.2	127	6	182	HA	HB

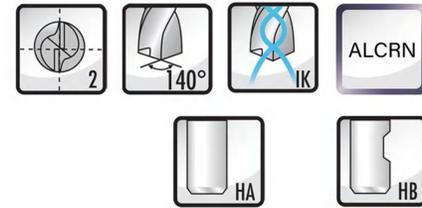
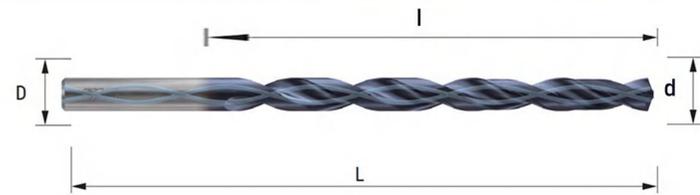
**HN-20D-CD 20D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-20D-CD-0053-A	5.3	127	6	182	HA	HB
HN-20D-CD-0054-A	5.4	127	6	182	HA	HB
HN-20D-CD-0055-A	5.5	127	6	182	HA	HB
HN-20D-CD-0056-A	5.6	138	6	193	HA	HB
HN-20D-CD-0057-A	5.7	138	6	193	HA	HB
HN-20D-CD-0058-A	5.8	138	6	193	HA	HB
HN-20D-CD-0059-A	5.9	138	6	193	HA	HB
HN-20D-CD-0060-A	6	138	6	193	HA	HB
HN-20D-CD-0061-A	6.1	150	7	206	HA	HB
HN-20D-CD-0062-A	6.2	150	7	206	HA	HB
HN-20D-CD-0063-A	6.3	150	7	206	HA	HB
HN-20D-CD-0064-A	6.4	150	7	206	HA	HB
HN-20D-CD-0065-A	6.5	150	7	206	HA	HB
HN-20D-CD-0066-A	6.6	161	7	217	HA	HB
HN-20D-CD-0067-A	6.7	161	7	217	HA	HB
HN-20D-CD-0068-A	6.8	161	7	217	HA	HB
HN-20D-CD-0069-A	6.9	161	7	217	HA	HB
HN-20D-CD-0070-A	7	161	7	217	HA	HB
HN-20D-CD-0071-A	7.1	173	8	230	HA	HB
HN-20D-CD-0072-A	7.2	173	8	230	HA	HB
HN-20D-CD-0073-A	7.3	173	8	230	HA	HB
HN-20D-CD-0074-A	7.4	173	8	230	HA	HB
HN-20D-CD-0075-A	7.5	173	8	230	HA	HB

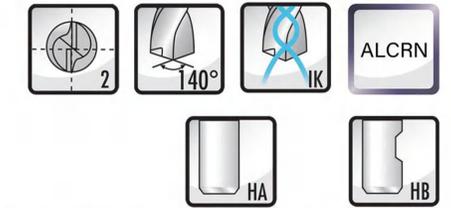
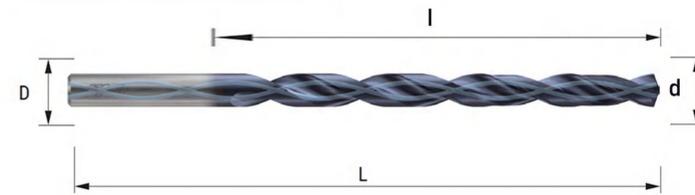
**HN-20D-CD 20D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-20D-CD-0076-A	7.6	184	8	241	HA	HB
HN-20D-CD-0077-A	7.7	184	8	241	HA	HB
HN-20D-CD-0078-A	7.8	184	8	241	HA	HB
HN-20D-CD-0079-A	7.9	184	8	241	HA	HB
HN-20D-CD-0080-A	8	184	8	241	HA	HB
HN-20D-CD-0081-A	8.1	196	9	254	HA	HB
HN-20D-CD-0082-A	8.2	196	9	254	HA	HB
HN-20D-CD-0083-A	8.3	196	9	254	HA	HB
HN-20D-CD-0084-A	8.4	196	9	254	HA	HB
HN-20D-CD-0085-A	8.5	196	9	254	HA	HB
HN-20D-CD-0086-A	8.6	207	9	265	HA	HB
HN-20D-CD-0087-A	8.7	207	9	265	HA	HB
HN-20D-CD-0088-A	8.8	207	9	265	HA	HB
HN-20D-CD-0089-A	8.9	207	9	265	HA	HB
HN-20D-CD-0090-A	9	207	9	265	HA	HB
HN-20D-CD-0091-A	9.1	219	10	277	HA	HB
HN-20D-CD-0092-A	9.2	219	10	277	HA	HB
HN-20D-CD-0093-A	9.3	219	10	277	HA	HB
HN-20D-CD-0094-A	9.4	219	10	277	HA	HB
HN-20D-CD-0095-A	9.5	219	10	277	HA	HB
HN-20D-CD-0096-A	9.6	230	10	288	HA	HB
HN-20D-CD-0097-A	9.7	230	10	288	HA	HB
HN-20D-CD-0098-A	9.8	230	10	288	HA	HB

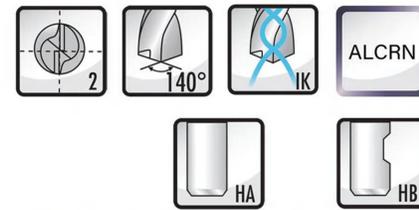
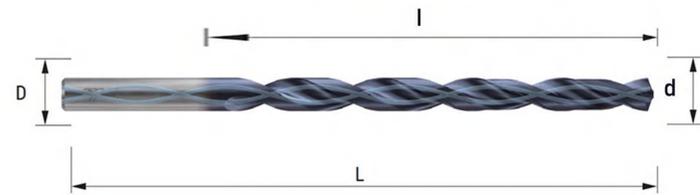
**HN-20D-CD 20D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-20D-CD-0099-A	9.9	230	10	288	HA	HB
HN-20D-CD-0100-A	10	230	10	288	HA	HB
HN-20D-CD-0101-A	10.1	242	11	306	HA	HB
HN-20D-CD-0102-A	10.2	242	11	306	HA	HB
HN-20D-CD-0103-A	10.3	242	11	306	HA	HB
HN-20D-CD-0104-A	10.4	242	11	306	HA	HB
HN-20D-CD-0105-A	10.5	242	11	306	HA	HB
HN-20D-CD-0106-A	10.6	253	11	317	HA	HB
HN-20D-CD-0107-A	10.7	253	11	317	HA	HB
HN-20D-CD-0108-A	10.8	253	11	317	HA	HB
HN-20D-CD-0109-A	10.9	253	11	317	HA	HB
HN-20D-CD-0110-A	11	253	11	317	HA	HB
HN-20D-CD-0111-A	11.1	265	12	330	HA	HB
HN-20D-CD-0112-A	11.2	265	12	330	HA	HB
HN-20D-CD-0113-A	11.3	265	12	330	HA	HB
HN-20D-CD-0114-A	11.4	265	12	330	HA	HB
HN-20D-CD-0115-A	11.5	265	12	330	HA	HB
HN-20D-CD-0116-A	11.6	276	12	341	HA	HB
HN-20D-CD-0117-A	11.7	276	12	341	HA	HB
HN-20D-CD-0118-A	11.8	276	12	341	HA	HB
HN-20D-CD-0119-A	11.9	276	12	341	HA	HB
HN-20D-CD-0120-A	12	276	12	341	HA	HB

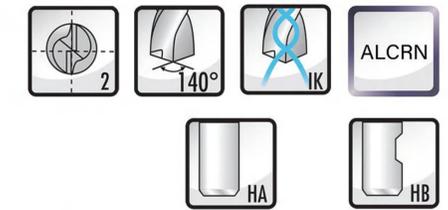
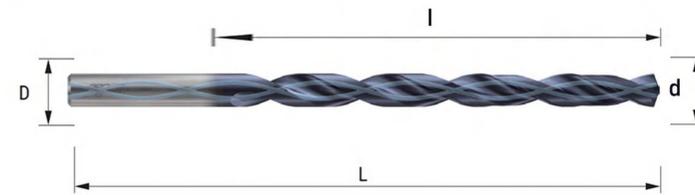
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-25D-CD-0030-A	3	85	6	125	HA	HB
HN-25D-CD-0031-A	3.1	99	6	139	HA	HB
HN-25D-CD-0032-A	3.2	99	6	139	HA	HB
HN-25D-CD-0033-A	3.3	99	6	139	HA	HB
HN-25D-CD-0034-A	3.4	99	6	139	HA	HB
HN-25D-CD-0035-A	3.5	99	6	139	HA	HB
HN-25D-CD-0036-A	3.6	113	6	153	HA	HB
HN-25D-CD-0037-A	3.7	113	6	153	HA	HB
HN-25D-CD-0038-A	3.8	113	6	153	HA	HB
HN-25D-CD-0039-A	3.9	113	6	153	HA	HB
HN-25D-CD-0040-A	4	113	6	153	HA	HB
HN-25D-CD-0041-A	4.1	127	6	167	HA	HB
HN-25D-CD-0042-A	4.2	127	6	167	HA	HB
HN-25D-CD-0043-A	4.3	127	6	167	HA	HB
HN-25D-CD-0044-A	4.4	127	6	167	HA	HB
HN-25D-CD-0045-A	4.5	127	6	167	HA	HB
HN-25D-CD-0046-A	4.6	141	6	181	HA	HB
HN-25D-CD-0047-A	4.7	141	6	181	HA	HB

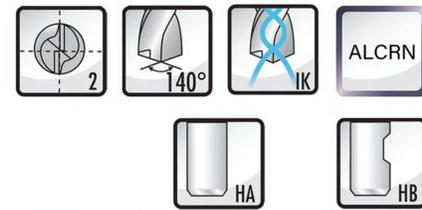
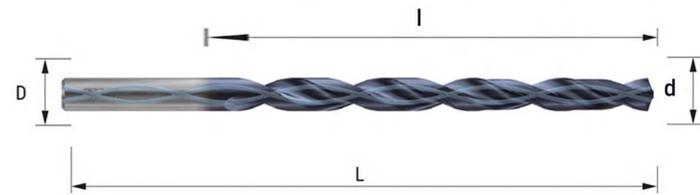
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-25D-CD-0048-A	4.8	141	6	181	HA	HB
HN-25D-CD-0049-A	4.9	141	6	181	HA	HB
HN-25D-CD-0050-A	5	141	6	181	HA	HB
HN-25D-CD-0051-A	5.1	155	6	195	HA	HB
HN-25D-CD-0052-A	5.2	155	6	195	HA	HB
HN-25D-CD-0053-A	5.3	155	6	195	HA	HB
HN-25D-CD-0054-A	5.4	155	6	195	HA	HB
HN-25D-CD-0055-A	5.5	155	6	195	HA	HB
HN-25D-CD-0056-A	5.6	169	6	209	HA	HB
HN-25D-CD-0057-A	5.7	169	6	209	HA	HB
HN-25D-CD-0058-A	5.8	169	6	209	HA	HB
HN-25D-CD-0059-A	5.9	169	6	209	HA	HB
HN-25D-CD-0060-A	6	169	6	209	HA	HB
HN-25D-CD-0061-A	6.1	183	8	223	HA	HB
HN-25D-CD-0062-A	6.2	183	8	223	HA	HB
HN-25D-CD-0063-A	6.3	183	8	223	HA	HB
HN-25D-CD-0064-A	6.4	183	8	223	HA	HB
HN-25D-CD-0065-A	6.5	183	8	223	HA	HB

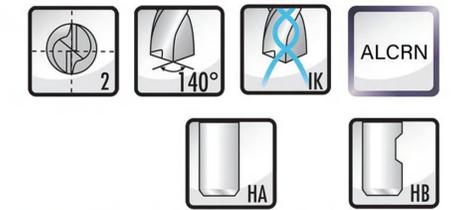
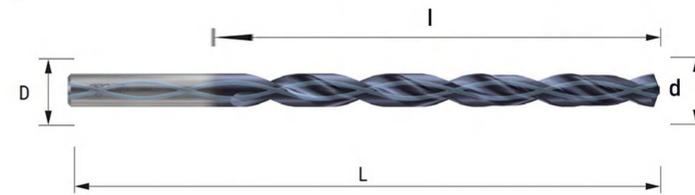
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-25D-CD-0066-A	6.6	197	8	237	HA	HB
HN-25D-CD-0067-A	6.7	197	8	237	HA	HB
HN-25D-CD-0068-A	6.8	197	8	237	HA	HB
HN-25D-CD-0069-A	6.9	197	8	237	HA	HB
HN-25D-CD-0070-A	7	197	8	237	HA	HB
HN-25D-CD-0071-A	7.1	211	8	251	HA	HB
HN-25D-CD-0072-A	7.2	211	8	251	HA	HB
HN-25D-CD-0073-A	7.3	211	8	251	HA	HB
HN-25D-CD-0074-A	7.4	211	8	251	HA	HB
HN-25D-CD-0075-A	7.5	211	8	251	HA	HB
HN-25D-CD-0076-A	7.6	225	8	265	HA	HB
HN-25D-CD-0077-A	7.7	225	8	265	HA	HB
HN-25D-CD-0078-A	7.8	225	8	265	HA	HB
HN-25D-CD-0079-A	7.9	225	8	265	HA	HB
HN-25D-CD-0080-A	8	225	8	265	HA	HB
HN-25D-CD-0081-A	8.1	239	10	283	HA	HB
HN-25D-CD-0082-A	8.2	239	10	283	HA	HB
HN-25D-CD-0083-A	8.3	239	10	283	HA	HB

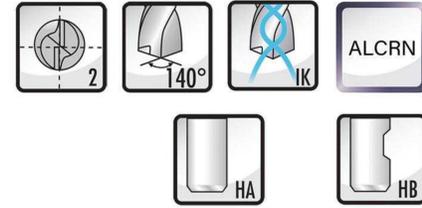
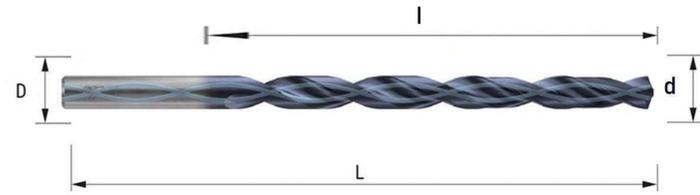
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-25D-CD-0084-A	8.4	239	10	283	HA	HB
HN-25D-CD-0085-A	8.5	239	10	283	HA	HB
HN-25D-CD-0086-A	8.6	253	10	297	HA	HB
HN-25D-CD-0087-A	8.7	253	10	297	HA	HB
HN-25D-CD-0088-A	8.8	253	10	297	HA	HB
HN-25D-CD-0089-A	8.9	253	10	297	HA	HB
HN-25D-CD-0090-A	9	253	10	297	HA	HB
HN-25D-CD-0091-A	9.1	268	10	312	HA	HB
HN-25D-CD-0092-A	9.2	268	10	312	HA	HB
HN-25D-CD-0093-A	9.3	268	10	312	HA	HB
HN-25D-CD-0094-A	9.4	268	10	312	HA	HB
HN-25D-CD-0095-A	9.5	268	10	312	HA	HB
HN-25D-CD-0096-A	9.6	282	10	326	HA	HB
HN-25D-CD-0097-A	9.7	282	10	326	HA	HB
HN-25D-CD-0098-A	9.8	282	10	326	HA	HB
HN-25D-CD-0099-A	9.9	282	10	326	HA	HB
HN-25D-CD-0100-A	10	282	10	326	HA	HB

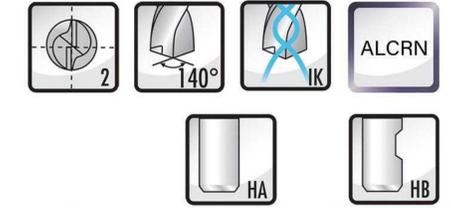
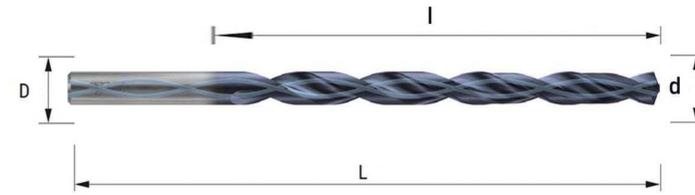
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-30D-CD-0030-A	3	6	100	140	HA	HB
HN-30D-CD-0031-A	3.1	6	117	157	HA	HB
HN-30D-CD-0032-A	3.2	6	117	157	HA	HB
HN-30D-CD-0033-A	3.3	6	117	157	HA	HB
HN-30D-CD-0034-A	3.4	6	117	157	HA	HB
HN-30D-CD-0035-A	3.5	6	117	157	HA	HB
HN-30D-CD-0036-A	3.6	6	133	173	HA	HB
HN-30D-CD-0037-A	3.7	6	133	173	HA	HB
HN-30D-CD-0038-A	3.8	6	133	173	HA	HB
HN-30D-CD-0039-A	3.9	6	133	173	HA	HB
HN-30D-CD-0040-A	4	6	133	173	HA	HB
HN-30D-CD-0041-A	4.1	6	150	190	HA	HB
HN-30D-CD-0042-A	4.2	6	150	190	HA	HB

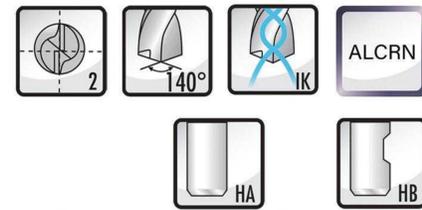
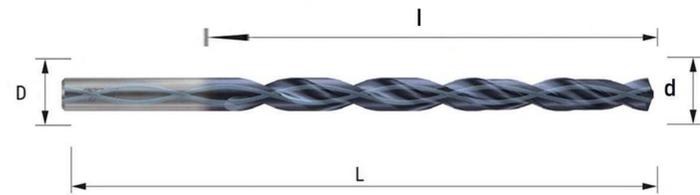
**HN-25D-CD 25D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-30D-CD-0043-A	4.3	6	150	190	HA	HB
HN-30D-CD-0044-A	4.4	6	150	190	HA	HB
HN-30D-CD-0045-A	4.5	6	150	190	HA	HB
HN-30D-CD-0046-A	4.6	6	166	206	HA	HB
HN-30D-CD-0047-A	4.7	6	166	206	HA	HB
HN-30D-CD-0048-A	4.8	6	166	206	HA	HB
HN-30D-CD-0049-A	4.9	6	166	206	HA	HB
HN-30D-CD-0050-A	5	6	166	206	HA	HB
HN-30D-CD-0051-A	5.1	6	183	223	HA	HB
HN-30D-CD-0052-A	5.2	6	183	223	HA	HB
HN-30D-CD-0053-A	5.3	6	183	223	HA	HB
HN-30D-CD-0054-A	5.4	6	183	223	HA	HB
HN-30D-CD-0055-A	5.5	6	183	223	HA	HB

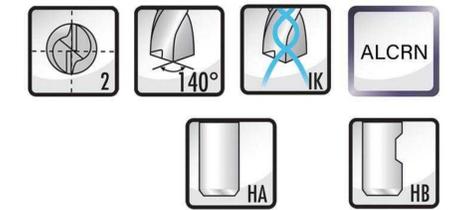
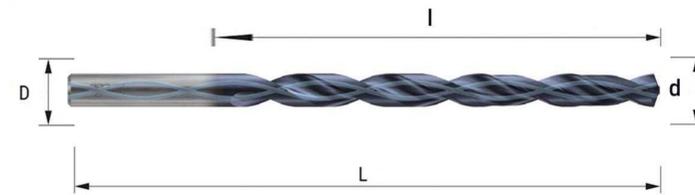
**HN-30D-CD 30D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

Order Number	d	l	D	L	HA	HB
HN-30D-CD-0056-A	5.6	6	199	239	HA	HB
HN-30D-CD-0057-A	5.7	6	199	239	HA	HB
HN-30D-CD-0058-A	5.8	6	199	239	HA	HB
HN-30D-CD-0059-A	5.9	6	199	239	HA	HB
HN-30D-CD-0060-A	6	6	199	239	HA	HB
HN-30D-CD-0061-A	6.1	8	216	256	HA	HB
HN-30D-CD-0062-A	6.2	8	216	256	HA	HB
HN-30D-CD-0063-A	6.3	8	216	256	HA	HB
HN-30D-CD-0064-A	6.4	8	216	256	HA	HB
HN-30D-CD-0065-A	6.5	8	216	256	HA	HB
HN-30D-CD-0066-A	6.6	8	232	272	HA	HB
HN-30D-CD-0067-A	6.7	8	232	272	HA	HB
HN-30D-CD-0068-A	6.8	8	232	272	HA	HB

**HN-30D-CD 30D CARBIDE DRILL WITH COOLING HOLE**



unit: mm

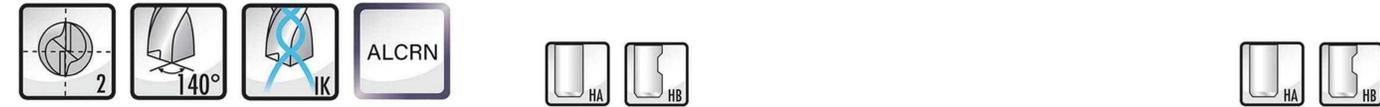
Order Number	d	l	D	L	HA	HB
HN-30D-CD-0069-A	6.9	8	232	272	HA	HB
HN-30D-CD-0070-A	7	8	232	272	HA	HB
HN-30D-CD-0071-A	7.1	8	249	289	HA	HB
HN-30D-CD-0072-A	7.2	8	249	289	HA	HB
HN-30D-CD-0073-A	7.3	8	249	289	HA	HB
HN-30D-CD-0074-A	7.4	8	249	289	HA	HB
HN-30D-CD-0075-A	7.5	8	249	289	HA	HB
HN-30D-CD-0076-A	7.6	8	265	305	HA	HB
HN-30D-CD-0077-A	7.7	8	265	305	HA	HB
HN-30D-CD-0078-A	7.8	8	265	305	HA	HB
HN-30D-CD-0079-A	7.9	8	265	305	HA	HB
HN-30D-CD-0080-A	8	8	265	305	HA	HB

**HN-30D-CD 30D CARBIDE DRILL WITH COOLING HOLE**



Order Number	d	l	D	L	HA	HB
HN-30D-CD-0056-A	5.6	6	199	239	HA	HB
HN-30D-CD-0057-A	5.7	6	199	239	HA	HB
HN-30D-CD-0058-A	5.8	6	199	239	HA	HB
HN-30D-CD-0059-A	5.9	6	199	239	HA	HB
HN-30D-CD-0060-A	6	6	199	239	HA	HB
HN-30D-CD-0061-A	6.1	8	216	256	HA	HB
HN-30D-CD-0062-A	6.2	8	216	256	HA	HB
HN-30D-CD-0063-A	6.3	8	216	256	HA	HB
HN-30D-CD-0064-A	6.4	8	216	256	HA	HB
HN-30D-CD-0065-A	6.5	8	216	256	HA	HB
HN-30D-CD-0066-A	6.6	8	232	272	HA	HB
HN-30D-CD-0067-A	6.7	8	232	272	HA	HB
HN-30D-CD-0068-A	6.8	8	232	272	HA	HB

**HN-30D-CD 30D CARBIDE DRILL WITH COOLING HOLE**



Order Number	d	l	D	L	HA	HB
HN-30D-CD-0069-A	6.9	8	232	272	HA	HB
HN-30D-CD-0070-A	7	8	232	272	HA	HB
HN-30D-CD-0071-A	7.1	8	249	289	HA	HB
HN-30D-CD-0072-A	7.2	8	249	289	HA	HB
HN-30D-CD-0073-A	7.3	8	249	289	HA	HB
HN-30D-CD-0074-A	7.4	8	249	289	HA	HB
HN-30D-CD-0075-A	7.5	8	249	289	HA	HB
HN-30D-CD-0076-A	7.6	8	265	305	HA	HB
HN-30D-CD-0077-A	7.7	8	265	305	HA	HB
HN-30D-CD-0078-A	7.8	8	265	305	HA	HB
HN-30D-CD-0079-A	7.9	8	265	305	HA	HB
HN-30D-CD-0080-A	8	8	265	305	HA	HB