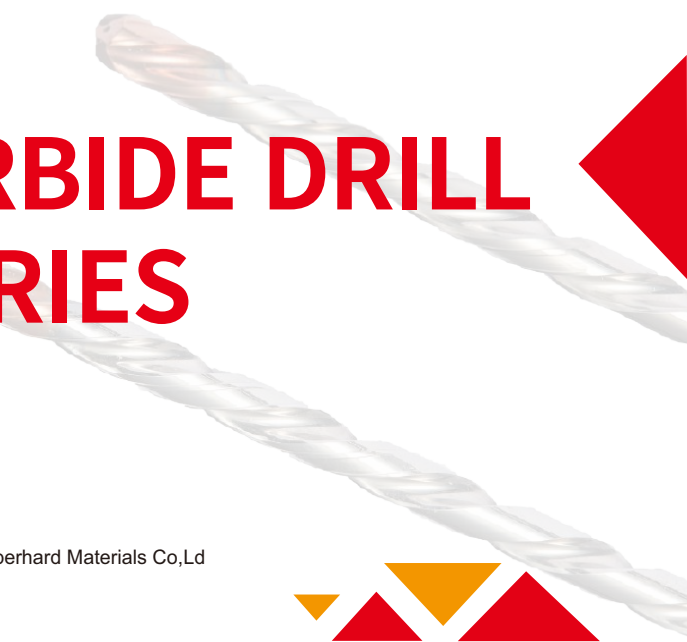




SOLID CARBIDE DRILL SERIES



DRILLING SERISE

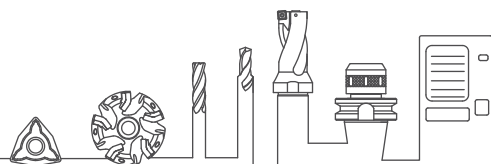
Solid Carbide Drill

Naming Rules For Solid Carbide Bits...C074

Carbide Universal Drill Bit...C075-C085

Carbide Drill Tip For Steel...C086-C101

Carbide Drill Tip For Stainless Steel...C102-C107



Naming Rules For Solid Carbide Bits

H	WS	5-	1800-	(HA)
1	2	3	4	5
1 Halnn	2 WE : cemented carbide external cold drill bit WS : carbide internal cold drill bit DBS : Double-edged band drill · Internal cooling SUSS : Stainless steel drill bit · Internal cooling	3 Length to diameter ratio	4 Bit diameter	5 Drill shank form HA : cylindrical handle, universal ellipsis HE : Special order HB : Special customization

A

B

C

D

E

Carbide Universal Drill Bit

Product characteristics

■ Usage characteristics

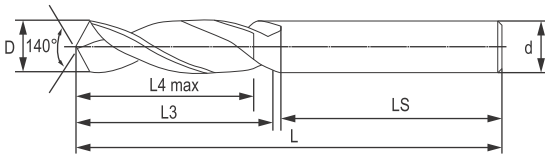
For gray cast iron, ductile cast iron, stainless steel, structural steel, alloy steel and other common materials processing, Strong centering ability, stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



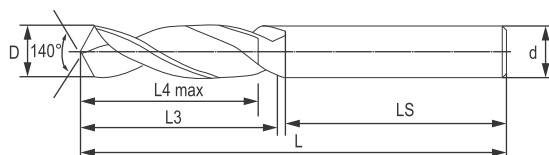
Carbide Universal Drill 3XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE03-0330	3.3	6	20	14	36	62	●
HWE03-0350	3.5	6	20	14	36	62	●
HWE03-0370	3.7	6	20	14	36	62	●
HWE03-0380	3.8	6	24	17	36	66	●
HWE03-0390	3.9	6	24	17	36	66	●
HWE03-0400	4	6	24	17	36	66	●
HWE03-0420	4.2	6	24	17	36	66	●
HWE03-0425	4.25	6	24	17	36	66	●
HWE03-0450	4.5	6	24	17	36	66	●
HWE03-0460	4.6	6	24	17	36	66	●
HWE03-0490	4.9	6	28	20	36	66	●
HWE03-0500	5	6	28	20	36	66	●
HWE03-0510	5.1	6	28	20	36	66	●
HWE03-0530	5.3	6	28	20	36	66	●
HWE03-0550	5.5	6	28	20	36	66	●
HWE03-0580	5.8	6	28	20	36	66	●
HWE03-0590	5.9	6	28	20	36	66	●
HWE03-0600	6	6	28	20	36	66	●
HWE03-0650	6.5	8	34	24	36	79	●
HWE03-0670	6.7	8	34	24	36	79	●
HWE03-0680	6.8	8	34	24	36	79	●
HWE03-0700	7	8	34	24	36	79	●
HWE03-0730	7.3	8	41	29	36	79	●
HWE03-0740	7.4	8	41	29	36	79	●
HWE03-0750	7.5	8	41	29	36	79	●
HWE03-0780	7.8	8	41	29	36	79	●
HWE03-0790	7.9	8	41	29	36	79	●
HWE03-0800	8	8	41	29	36	79	●
HWE03-0810	8.1	10	47	35	40	89	●
HWE03-0820	8.2	10	47	35	40	89	●
HWE03-0830	8.3	10	47	35	40	89	●
HWE03-0840	8.4	10	47	35	40	89	●
HWE03-0850	8.5	10	47	35	40	89	●
HWE03-0860	8.6	10	47	35	40	89	●
HWE03-0870	8.7	10	47	35	40	89	●
HWE03-0880	8.8	10	47	35	40	89	●
HWE03-0890	8.9	10	47	35	40	89	●

Remark: ● In stock , ○ Reservations

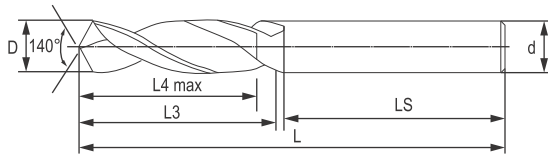
Carbide Universal Drill 3XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE03-0900	9	10	47	35	40	89	●
HWE03-0930	9.3	10	47	35	40	89	●
HWE03-0950	9.5	10	47	35	40	89	●
HWE03-0970	9.7	10	47	35	40	89	●
HWE03-0980	9.8	10	47	35	40	89	●
HWE03-1000	10	10	47	35	40	89	●
HWE03-1030	10.3	12	55	40	45	102	●
HWE03-1040	10.4	12	55	40	45	102	●
HWE03-1050	10.5	12	55	40	45	102	●
HWE03-1060	10.6	12	55	40	45	102	●
HWE03-1080	10.8	12	55	40	45	102	●
HWE03-1100	11	12	55	40	45	102	●
HWE03-1110	11.1	12	55	40	45	102	●
HWE03-1120	11.2	12	55	40	45	102	●
HWE03-1150	11.5	12	55	40	45	102	●
HWE03-1180	11.8	12	55	40	45	102	●
HWE03-1190	11.9	12	55	40	45	102	●
HWE03-1200	12	12	55	40	45	102	●
HWE03-1210	12.1	14	60	43	45	107	●
HWE03-1220	12.2	14	60	43	45	107	●
HWE03-1250	12.5	14	60	43	45	107	●
HWE03-1260	12.6	14	60	43	45	107	●
HWE03-1300	13	14	60	43	45	107	●
HWE03-1310	13.1	14	60	43	45	107	●
HWE03-1350	13.5	14	60	43	45	107	●
HWE03-1400	14	14	60	43	45	107	●
HWE03-1450	14.5	16	65	45	48	115	●
HWE03-1460	14.6	16	65	45	48	115	●
HWE03-1500	15	16	65	45	48	115	●
HWE03-1520	15.2	16	65	45	48	115	●
HWE03-1550	15.5	16	65	45	48	115	●
HWE03-1560	15.6	16	65	45	48	115	●
HWE03-1600	16	16	65	45	48	115	●
HWE03-1650	16.5	18	73	51	48	123	●
HWE03-1680	16.8	18	73	51	48	123	●
HWE03-1700	17	18	73	51	48	123	●
HWE03-1750	17.5	18	73	51	48	123	●

Remark: ● In stock , ○ Reservations

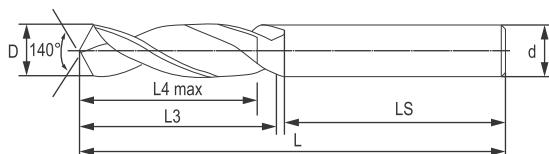
Carbide Universal Drill 3XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE03-1780	17.8	18	73	51	48	123	●
HWE03-1800	18	18	73	51	48	123	●
HWE03-1850	18.5	20	79	55	50	131	●
HWE03-1880	18.8	20	79	55	50	131	●
HWE03-1900	19	20	79	55	50	131	●
HWE03-1950	19.5	20	79	55	50	131	●
HWE03-1980	19.8	20	79	55	50	131	●
HWE03-2000	20	20	79	55	50	131	●
HWE03-2050	20.5	25	85	60	56	140	●
HWE03-2100	21	25	85	60	56	140	●
HWE03-2150	21.5	25	85	60	56	140	●
HWE03-2200	22	25	85	60	56	140	●
HWE03-2250	22.5	25	85	60	56	140	●
HWE03-2300	23	25	85	60	56	140	●
HWE03-2350	23.5	25	85	60	56	140	●
HWE03-2400	24	25	85	60	56	140	●
HWE03-2450	24.5	25	85	60	56	140	●
HWE03-2500	25	25	85	60	56	140	●

Remark: ● In stock , ○ Reservations

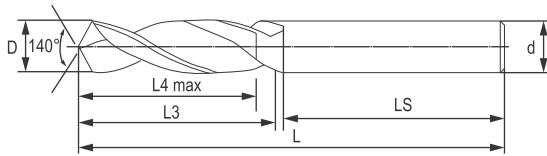
Carbide Universal Drill 3XD (Internal Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWS03-0330	3.3	6	20	14	28	62	●
HWS03-0350	3.5	6	20	14	28	62	●
HWS03-0370	3.7	6	20	14	28	62	●
HWS03-0380	3.8	6	24	17	28	62	●
HWS03-0390	3.9	6	24	17	28	62	●
HWS03-0400	4	6	24	17	28	62	●
HWS03-0420	4.2	6	24	17	36	66	●
HWS03-0425	4.25	6	24	17	36	66	●
HWS03-0450	4.5	6	24	17	36	66	●
HWS03-0460	4.6	6	24	17	36	66	●
HWS03-0490	4.9	6	28	20	36	66	●
HWS03-0500	5	6	28	20	36	66	●
HWS03-0510	5.1	6	28	20	36	66	●
HWS03-0530	5.3	6	28	20	36	66	●
HWS03-0550	5.5	6	28	20	36	66	●
HWS03-0580	5.8	6	28	20	36	66	●
HWS03-0590	5.9	6	28	20	36	66	●
HWS03-0600	6	6	28	20	36	66	●
HWS03-0650	6.5	8	34	24	36	79	●
HWS03-0670	6.7	8	34	24	36	79	●
HWS03-0680	6.8	8	34	24	36	79	●
HWS03-0700	7	8	34	24	36	79	●
HWS03-0730	7.3	8	41	29	36	79	●
HWS03-0740	7.4	8	41	29	36	79	●
HWS03-0750	7.5	8	41	29	36	79	●
HWS03-0780	7.8	8	41	29	36	79	●
HWS03-0790	7.9	8	41	29	36	79	●
HWS03-0800	8	8	41	29	36	79	●
HWS03-0810	8.1	10	47	35	40	89	●
HWS03-0820	8.2	10	47	35	40	89	●
HWS03-0830	8.3	10	47	35	40	89	●
HWS03-0840	8.4	10	47	35	40	89	●
HWS03-0850	8.5	10	47	35	40	89	●
HWS03-0860	8.6	10	47	35	40	89	●
HWS03-0870	8.7	10	47	35	40	89	●
HWS03-0880	8.8	10	47	35	40	89	●
HWS03-0890	8.9	10	47	35	40	89	●

Remark: ● In stock , ○ Reservations

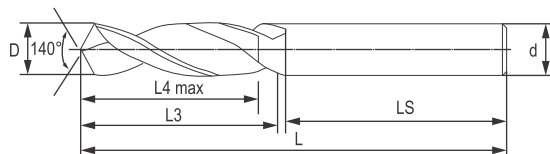
Carbide Universal Drill 3XD (Internal Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWS03-0900	9	10	47	35	40	89	●
HWS03-0930	9.3	10	47	35	40	89	●
HWS03-0950	9.5	10	47	35	40	89	●
HWS03-0970	9.7	10	47	35	40	89	●
HWS03-0980	9.8	10	47	35	40	89	●
HWS03-1000	10	10	47	35	40	89	●
HWS03-1030	10.3	12	55	40	45	102	●
HWS03-1040	10.4	12	55	40	45	102	●
HWS03-1050	10.5	12	55	40	45	102	●
HWS03-1060	10.6	12	55	40	45	102	●
HWS03-1080	10.8	12	55	40	45	102	●
HWS03-1100	11	12	55	40	45	102	●
HWS03-1110	11.1	12	55	40	45	102	●
HWS03-1120	11.2	12	55	40	45	102	●
HWS03-1150	11.5	12	55	40	45	102	●
HWS03-1180	11.8	12	55	40	45	102	●
HWS03-1190	11.9	12	55	40	45	102	●
HWS03-1200	12	12	55	40	45	102	●
HWS03-1210	12.1	14	60	43	45	107	●
HWS03-1220	12.2	14	60	43	45	107	●
HWS03-1250	12.5	14	60	43	45	107	●
HWS03-1260	12.6	14	60	43	45	107	●
HWS03-1300	13	14	60	43	45	107	●
HWS03-1310	13.1	14	60	43	45	107	●
HWS03-1350	13.5	14	60	43	45	107	●
HWS03-1400	14	14	60	43	45	107	●

Remark: ● In stock , ○ Reservations

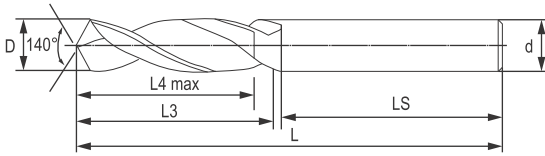
Carbide Universal Drill 5XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE05-0330	3.3	6	28	23	36	66	●
HWE05-0350	3.5	6	28	23	36	66	●
HWE05-0370	3.7	6	28	23	36	66	●
HWE05-0380	3.8	6	36	29	36	74	●
HWE05-0390	3.9	6	36	29	36	74	●
HWE05-0400	4	6	36	29	36	74	●
HWE05-0420	4.2	6	36	29	36	74	●
HWE05-0425	4.25	6	36	29	36	74	●
HWE05-0450	4.5	6	36	29	36	74	●
HWE05-0460	4.6	6	36	29	36	74	●
HWE05-0490	4.9	6	44	35	36	82	●
HWE05-0500	5	6	44	35	36	82	●
HWE05-0510	5.1	6	44	35	36	82	●
HWE05-0530	5.3	6	44	35	36	82	●
HWE05-0550	5.5	6	44	35	36	82	●
HWE05-0580	5.8	6	44	35	36	82	●
HWE05-0590	5.9	6	44	35	36	82	●
HWE05-0600	6	6	44	35	36	82	●
HWE05-0650	6.5	8	53	43	36	91	●
HWE05-0670	6.7	8	53	43	36	91	●
HWE05-0680	6.8	8	53	43	36	91	●
HWE05-0700	7	8	53	43	36	91	●
HWE05-0730	7.3	8	53	43	36	91	●
HWE05-0740	7.4	8	53	43	36	91	●
HWE05-0750	7.5	8	53	43	36	91	●
HWE05-0780	7.8	8	53	43	36	91	●
HWE05-0790	7.9	8	53	43	36	91	●
HWE05-0800	8	8	53	43	36	91	●
HWE05-0810	8.1	10	61	49	40	103	●
HWE05-0820	8.2	10	61	49	40	103	●
HWE05-0830	8.3	10	61	49	40	103	●
HWE05-0840	8.4	10	61	49	40	103	●
HWE05-0850	8.5	10	61	49	40	103	●
HWE05-0860	8.6	10	61	49	40	103	●
HWE05-0870	8.7	10	61	49	40	103	●
HWE05-0880	8.8	10	61	49	40	103	●
HWE05-0890	8.9	10	61	49	40	103	●

Remark: ● In stock , ○ Reservations

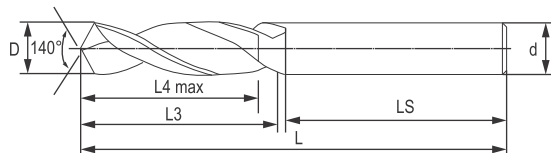
Carbide Universal Drill 5XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE05-0900	9	10	61	49	40	103	●
HWE05-0930	9.3	10	61	49	40	103	●
HWE05-0950	9.5	10	61	49	40	103	●
HWE05-0970	9.7	10	61	49	40	103	●
HWE05-0980	9.8	10	61	49	40	103	●
HWE05-1000	10	10	61	49	40	103	●
HWE05-1030	10.3	12	71	56	45	118	●
HWE05-1040	10.4	12	71	56	45	118	●
HWE05-1050	10.5	12	71	56	45	118	●
HWE05-1060	10.6	12	71	56	45	118	●
HWE05-1080	10.8	12	71	56	45	118	●
HWE05-1100	11	12	71	56	45	118	●
HWE05-1110	11.1	12	71	56	45	118	●
HWE05-1120	11.2	12	71	56	45	118	●
HWE05-1150	11.5	12	71	56	45	118	●
HWE05-1180	11.8	12	71	56	45	118	●
HWE05-1190	11.9	12	71	56	45	118	●
HWE05-1200	12	12	71	56	45	118	●
HWE05-1210	12.1	14	77	60	45	124	●
HWE05-1220	12.2	14	77	60	45	124	●
HWE05-1250	12.5	14	77	60	45	124	●
HWE05-1260	12.6	14	77	60	45	124	●
HWE05-1300	13	14	77	60	45	124	●
HWE05-1310	13.1	14	77	60	45	124	●
HWE05-1350	13.5	14	77	60	45	124	●
HWE05-1400	14	14	77	60	45	124	●
HWE05-1450	14.5	16	83	63	48	133	●
HWE05-1460	14.6	16	83	63	48	133	●
HWE05-1500	15	16	83	63	48	133	●
HWE05-1520	15.2	16	83	63	48	133	●
HWE05-1550	15.5	16	83	63	48	133	●
HWE05-1560	15.6	16	83	63	48	133	●
HWE05-1660	16	16	83	63	48	133	●
HWE05-1650	16.5	18	93	71	48	143	●
HWE05-1680	16.8	18	93	71	48	143	●
HWE05-1700	17	18	93	71	48	143	●
HWE05-1750	17.5	18	93	71	48	143	●

Remark: ● In stock , ○ Reservations

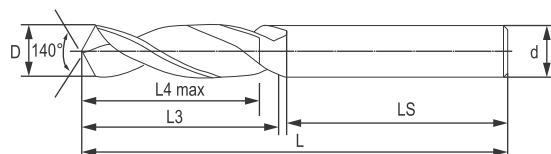
Carbide Universal Drill 5XD (External Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWE05-1780	17.8	18	93	71	48	143	●
HWE05-1800	18	18	93	71	48	143	●
HWE05-1850	18.5	20	101	77	50	153	●
HWE05-1880	18.8	20	101	77	50	153	●
HWE05-1900	19	20	101	77	50	153	●
HWE05-1950	19.5	20	101	77	50	153	●
HWE05-1980	19.8	20	101	77	50	153	●
HWE05-2000	20	20	101	77	50	153	●
HWE05-2050	20.5	25	110	83	56	163	●
HWE05-2100	21	25	110	83	56	163	●
HWE05-2150	21.5	25	110	83	56	163	●
HWE05-2200	22	25	110	83	56	163	●
HWE05-2250	22.5	25	110	83	56	163	●
HWE05-2300	23	25	110	83	56	163	●
HWE05-2350	23.5	25	110	83	56	163	●
HWE05-2400	24	25	110	83	56	163	●
HWE05-2450	24.5	25	110	83	56	163	●
HWE05-2500	25	25	110	83	56	163	●

Remark: ● In stock , ○ Reservations

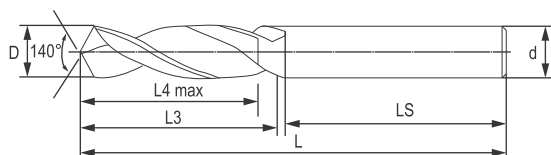
Carbide Universal Drill 5XD (Internal Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWS05-0330	3.3	6	28	23	28	66	●
HWS05-0350	3.5	6	28	23	28	66	●
HWS05-0370	3.7	6	28	23	28	66	●
HWS05-0380	3.8	6	36	29	28	66	●
HWS05-0390	3.9	6	36	29	28	66	●
HWS05-0400	4	6	36	29	28	66	●
HWS05-0420	4.2	6	36	29	36	74	●
HWS05-0425	4.25	6	36	29	36	74	●
HWS05-0450	4.5	6	36	29	36	74	●
HWS05-0460	4.6	6	36	29	36	74	●
HWS05-0490	4.9	6	44	35	36	82	●
HWS05-0500	5	6	44	35	36	82	●
HWS05-0510	5.1	6	44	35	36	82	●
HWS05-0530	5.3	6	44	35	36	82	●
HWS05-0550	5.5	6	44	35	36	82	●
HWS05-0580	5.8	6	44	35	36	82	●
HWS05-0590	5.9	6	44	35	36	82	●
HWS05-0600	6	6	44	35	36	82	●
HWS05-0650	6.5	8	53	43	36	91	●
HWS05-0670	6.7	8	53	43	36	91	●
HWS05-0680	6.8	8	53	43	36	91	●
HWS05-0700	7	8	53	43	36	91	●
HWS05-0730	7.3	8	53	43	36	91	●
HWS05-0740	7.4	8	53	43	36	91	●
HWS05-0750	7.5	8	53	43	36	91	●
HWS05-0780	7.8	8	53	43	36	91	●
HWS05-0790	7.9	8	53	43	36	91	●
HWS05-0800	8	8	53	43	36	91	●
HWS05-0810	8.1	10	61	49	40	103	●
HWS05-0820	8.2	10	61	49	40	103	●
HWS05-0830	8.3	10	61	49	40	103	●
HWS05-0840	8.4	10	61	49	40	103	●
HWS05-0850	8.5	10	61	49	40	103	●
HWS05-0860	8.6	10	61	49	40	103	●
HWS05-0870	8.7	10	61	49	40	103	●
HWS05-0880	8.8	10	61	49	40	103	●
HWS05-0890	8.9	10	61	49	40	103	●

Remark: ● In stock , ○ Reservations

Carbide Universal Drill 5XD (Internal Cooling)



Model	D	d	L3	L4 max	LS	L	Stock
HWS05-0900	9	10	61	49	40	103	●
HWS05-0930	9.3	10	61	49	40	103	●
HWS05-0950	9.5	10	61	49	40	103	●
HWS05-0970	9.7	10	61	49	40	103	●
HWS05-0980	9.8	10	61	49	40	103	●
HWS05-1000	10	10	61	49	40	103	●
HWS05-1030	10.3	12	71	56	45	118	●
HWS05-1040	10.4	12	71	56	45	118	●
HWS05-1050	10.5	12	71	56	45	118	●
HWS05-1060	10.6	12	71	56	45	118	●
HWS05-1080	10.8	12	71	56	45	118	●
HWS05-1100	11	12	71	56	45	118	●
HWS05-1110	11.1	12	71	56	45	118	●
HWS05-1120	11.2	12	71	56	45	118	●
HWS05-1150	11.5	12	71	56	45	118	●
HWS05-1180	11.8	12	71	56	45	118	●
HWS05-1190	11.9	12	71	56	45	118	●
HWS05-1200	12	12	71	56	45	118	●
HWS05-1210	12.1	14	77	60	45	124	●
HWS05-1220	12.2	14	77	60	45	124	●
HWS05-1250	12.5	14	77	60	45	124	●
HWS05-1260	12.6	14	77	60	45	124	●
HWS05-1300	13	14	77	60	45	124	●
HWS05-1310	13.1	14	77	60	45	124	●
HWS05-1350	13.5	14	77	60	45	124	●
HWS05-1400	14	14	77	60	45	124	●

Remark: ● In stock , ○ Reservations

Carbide Drill Tip For Steel 3XD (External Cooling)

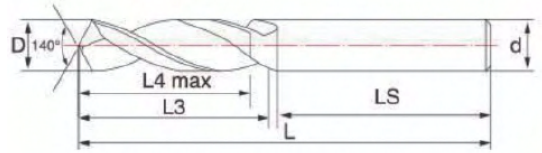
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28° below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE03-0300-P	3.00	4	62	20	14	36	●
HWE03-0310-P	3.10	4	62	20	14	36	●
HWE03-0320-P	3.20	4	62	20	14	36	●
HWE03-0330-P	3.30	4	62	20	14	36	●
HWE03-0340-P	3.40	4	62	20	14	36	●
HWE03-0350-P	3.50	4	62	20	14	36	●
HWE03-0360-P	3.60	4	62	20	14	36	●
HWE03-0370-P	3.70	4	62	20	14	36	●
HWE03-0380-P	3.80	4	66	24	17	36	●
HWE03-0390-P	3.90	4	66	24	17	36	●
HWE03-0400-P	4.00	4	66	24	17	36	●
HWE03-0410-P	4.10	6	66	24	17	36	●
HWE03-0420-P	4.20	6	66	24	17	36	●
HWE03-0430-P	4.30	6	66	24	17	36	●
HWE03-0440-P	4.40	6	66	24	17	36	●
HWE03-0450-P	4.50	6	66	24	17	36	●
HWE03-0460-P	4.60	6	66	24	17	36	●
HWE03-0470-P	4.70	6	66	24	17	36	●
HWE03-0480-P	4.80	6	66	28	20	36	●
HWE03-0490-P	4.90	6	66	28	20	36	●
HWE03-0500-P	5.00	6	66	28	20	36	●
HWE03-0510-P	5.10	6	66	28	20	36	●
HWE03-0520-P	5.20	6	66	28	20	36	●
HWE03-0530-P	5.30	6	66	28	20	36	●
HWE03-0540-P	5.40	6	66	28	20	36	●
HWE03-0550-P	5.50	6	66	28	20	36	●
HWE03-0560-P	5.60	6	66	28	20	36	●
HWE03-0570-P	5.70	6	66	28	20	36	●
HWE03-0580-P	5.80	6	66	28	20	36	●
HWE03-0590-P	5.90	6	66	28	20	36	●
HWE03-0600-P	6.00	6	66	28	20	36	●
HWE03-0610-P	6.10	8	79	34	24	36	●
HWE03-0620-P	6.20	8	79	34	24	36	●
HWE03-0630-P	6.30	8	79	34	24	36	●
HWE03-0640-P	6.40	8	79	34	24	36	●
HWE03-0650-P	6.50	8	79	34	24	36	●
HWE03-0660-P	6.60	8	79	34	24	36	●
HWE03-0670-P	6.70	8	79	34	24	36	●
HWE03-0680-P	6.80	8	79	34	24	36	●
HWE03-0690-P	6.90	8	79	34	24	36	●
HWE03-0700-P	7.00	8	79	34	24	36	●

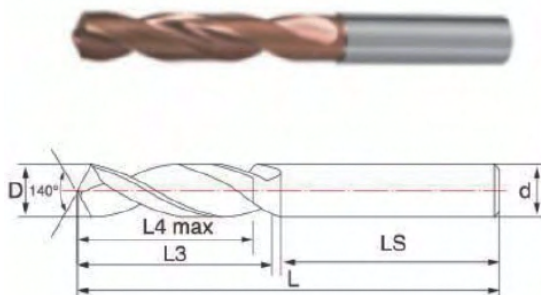
Carbide Drill Tip For Steel 3XD (External Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE03-0710-P	7.10	8	79	41	29	36	●
HWE03-0720-P	7.20	8	79	41	29	36	●
HWE03-0730-P	7.30	8	79	41	29	36	●
HWE03-0740-P	7.40	8	79	41	29	36	●
HWE03-0750-P	7.50	8	79	41	29	36	●
HWE03-0760-P	7.60	8	79	41	29	36	●
HWE03-0770-P	7.70	8	79	41	29	36	●
HWE03-0780-P	7.80	8	79	41	29	36	●
HWE03-0790-P	7.90	8	79	41	29	36	●
HWE03-0800-P	8.00	8	79	41	29	40	●
HWE03-0810-P	8.10	10	89	47	35	40	●
HWE03-0820-P	8.20	10	89	47	35	40	●
HWE03-0830-P	8.30	10	89	47	35	40	●
HWE03-0840-P	8.40	10	89	47	35	40	●
HWE03-0850-P	8.50	10	89	47	35	40	●
HWE03-0860-P	8.60	10	89	47	35	40	●
HWE03-0870-P	8.70	10	89	47	35	40	●
HWE03-0880-P	8.80	10	89	47	35	40	●
HWE03-0890-P	8.90	10	89	47	35	40	●
HWE03-0900-P	9.00	10	89	47	35	40	●
HWE03-0910-P	9.10	10	89	47	35	40	●
HWE03-0920-P	9.20	10	89	47	35	40	●
HWE03-0930-P	9.30	10	89	47	35	40	●
HWE03-0940-P	9.40	10	89	47	35	40	●
HWE03-0950-P	9.50	10	89	47	35	40	●
HWE03-0960-P	9.60	10	89	47	35	40	●
HWE03-0970-P	9.70	10	89	47	35	40	●
HWE03-0980-P	9.80	10	89	47	35	40	●
HWE03-0990-P	9.90	10	89	47	35	40	●
HWE03-1000-P	10.00	10	89	47	35	40	●
HWE03-1010-P	10.10	12	102	55	40	45	●
HWE03-1020-P	10.20	12	102	55	40	45	●
HWE03-1030-P	10.30	12	102	55	40	45	●
HWE03-1040-P	10.40	12	102	55	40	45	●
HWE03-1050-P	10.50	12	102	55	40	45	●
HWE03-1060-P	10.60	12	102	55	40	45	●
HWE03-1070-P	10.70	12	102	55	40	45	●
HWE03-1080-P	10.80	12	102	55	40	45	●
HWE03-1090-P	10.90	12	102	55	40	45	●
HWE03-1100-P	11.00	12	102	55	40	45	●
HWE03-1110-P	11.10	12	102	55	40	45	●

Carbide Drill Tip For Steel 3XD (External Cooling)

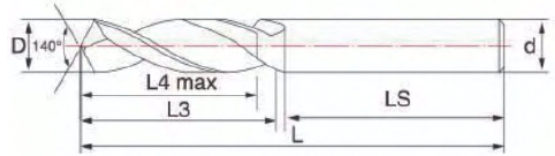
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE03-1120-P	11.20	12	102	55	40	45	●
HWE03-1130-P	11.30	12	102	55	40	45	●
HWE03-1140-P	11.40	12	102	55	40	45	●
HWE03-1150-P	11.50	12	102	55	40	45	●
HWE03-1160-P	11.60	12	102	55	40	45	●
HWE03-1170-P	11.70	12	102	55	40	45	●
HWE03-1180-P	11.80	12	102	55	40	45	●
HWE03-1190-P	11.90	12	102	55	40	45	●
HWE03-1200-P	12.00	12	102	55	40	45	●
HWE03-1210-P	12.10	14	107	60	43	45	●
HWE03-1220-P	12.20	14	107	60	43	45	●
HWE03-1230-P	12.30	14	107	60	43	45	●
HWE03-1240-P	12.40	14	107	60	43	45	●
HWE03-1250-P	12.50	14	107	60	43	45	●
HWE03-1260-P	12.60	14	107	60	43	45	●
HWE03-1280-P	12.80	14	107	60	43	45	●
HWE03-1290-P	12.90	14	107	60	43	45	●
HWE03-1300-P	13.00	14	107	60	43	45	●
HWE03-1310-P	13.10	14	107	60	43	45	●
HWE03-1320-P	13.20	14	107	60	43	45	●
HWE03-1330-P	13.30	14	107	60	43	45	●
HWE03-1340-P	13.40	14	107	60	43	45	●
HWE03-1350-P	13.50	14	107	60	43	45	●
HWE03-1360-P	13.60	14	107	60	43	45	●
HWE03-1370-P	13.70	14	107	60	43	45	●
HWE03-1380-P	13.80	14	107	60	43	45	●
HWE03-1390-P	13.90	14	107	60	43	45	●
HWE03-1400-P	14.00	14	107	60	43	45	●
HWE03-1410-P	14.10	16	115	65	45	48	●
HWE03-1420-P	14.20	16	115	65	45	48	●
HWE03-1430-P	14.30	16	115	65	45	48	●
HWE03-1440-P	14.40	16	115	65	45	48	●
HWE03-1450-P	14.50	16	115	65	45	48	●
HWE03-1460-P	14.60	16	115	65	45	48	●
HWE03-1470-P	14.70	16	115	65	45	48	●
HWE03-1480-P	14.80	16	115	65	45	48	●
HWE03-1490-P	14.90	16	115	65	45	48	●
HWE03-1500-P	15.00	16	115	65	45	48	●
HWE03-1510-P	15.10	16	115	65	45	48	●
HWE03-1520-P	15.20	16	115	65	45	48	●
HWE03-1530-P	15.30	16	115	65	45	48	●

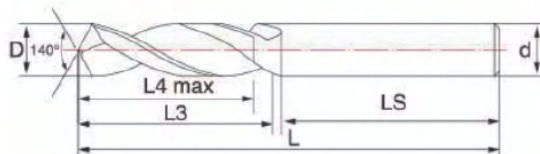
Carbide Drill Tip For Steel 3XD (External Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE03-1540-P	15.40	16	115	65	45	48	●
HWE03-1550-P	15.50	16	115	65	45	48	●
HWE03-1560-P	15.60	16	115	65	45	48	●
HWE03-1570-P	15.70	16	115	65	45	48	●
HWE03-1580-P	15.80	16	115	65	45	48	●
HWE03-1590-P	15.90	16	115	65	45	48	●
HWE03-1600-P	16.00	16	115	65	45	48	●
HWE03-1650-P	16.50	18	123	73	51	48	●
HWE03-1680-P	16.80	18	123	73	51	48	●
HWE03-1700-P	17.00	18	123	73	51	48	●
HWE03-1780-P	17.80	18	123	73	51	48	●
HWE03-1800-P	18.00	18	123	73	51	48	●
HWE03-1850-P	18.50	20	131	79	55	50	●
HWE03-1880-P	18.80	20	131	79	55	50	●
HWE03-1900-P	19.00	20	131	79	55	50	●
HWE03-1950-P	19.50	20	131	79	55	50	●
HWE03-1980-P	19.80	20	131	79	55	50	●
HWE03-2000-P	20.00	20	131	79	55	50	●

Carbide Drill Tip For Steel 3XD (Internal Cooling)

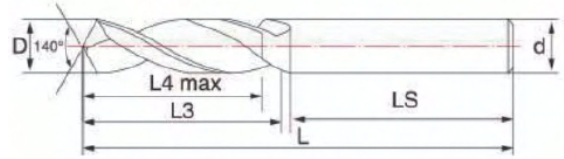
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS03-0300-P	3. 00	4	62	20	14	36	●
HWS03-0310-P	3. 10	4	62	20	14	36	●
HWS03-0320-P	3. 20	4	62	20	14	36	●
HWS03-0330-P	3. 30	4	62	20	14	36	●
HWS03-0340-P	3. 40	4	62	20	14	36	●
HWS03-0350-P	3. 50	4	62	20	14	36	●
HWS03-0360-P	3. 60	4	62	20	14	36	●
HWS03-0370-P	3. 70	4	62	20	14	36	●
HWS03-0380-P	3. 80	4	66	24	17	36	●
HWS03-0390-P	3. 90	4	66	24	17	36	●
HWS03-0400-P	4. 00	4	66	24	17	36	●
HWS03-0410-P	4. 10	6	66	24	17	36	●
HWS03-0420-P	4. 20	6	66	24	17	36	●
HWS03-0430-P	4. 30	6	66	24	17	36	●
HWS03-0440-P	4. 40	6	66	24	17	36	●
HWS03-0450-P	4. 50	6	66	24	17	36	●
HWS03-0460-P	4. 60	6	66	24	17	36	●
HWS03-0470-P	4. 70	6	66	24	17	36	●
HWS03-0480-P	4. 80	6	66	28	20	36	●
HWS03-0490-P	4. 90	6	66	28	20	36	●
HWS03-0500-P	5. 00	6	66	28	20	36	●
HWS03-0510-P	5. 10	6	66	28	20	36	●
HWS03-0520-P	5. 20	6	66	28	20	36	●
HWS03-0530-P	5. 30	6	66	28	20	36	●
HWS03-0540-P	5. 40	6	66	28	20	36	●
HWS03-0550-P	5. 50	6	66	28	20	36	●
HWS03-0560-P	5. 60	6	66	28	20	36	●
HWS03-0570-P	5. 70	6	66	28	20	36	●
HWS03-0580-P	5. 80	6	66	28	20	36	●
HWS03-0590-P	5. 90	6	66	28	20	36	●
HWS03-0600-P	6. 00	6	66	28	20	36	●
HWS03-0610-P	6. 10	8	79	34	24	36	●
HWS03-0620-P	6. 20	8	79	34	24	36	●
HWS03-0630-P	6. 30	8	79	34	24	36	●
HWS03-0640-P	6. 40	8	79	34	24	36	●
HWS03-0650-P	6. 50	8	79	34	24	36	●
HWS03-0660-P	6. 60	8	79	34	24	36	●
HWS03-0670-P	6. 70	8	79	34	24	36	●
HWS03-0680-P	6. 80	8	79	34	24	36	●
HWS03-0690-P	6. 90	8	79	34	24	36	●
HWS03-0700-P	7. 00	8	79	34	24	36	●

Carbide Drill Tip For Steel 3XD (Internal Cooling)

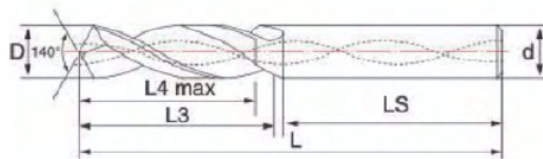
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS03-0710-P	7.10	8	79	41	29	36	●
HWS03-0720-P	7.20	8	79	41	29	40	●
HWS03-0730-P	7.30	8	79	41	29	40	●
HWS03-0740-P	7.40	8	79	41	29	40	●
HWS03-0750-P	7.50	8	79	41	29	40	●
HWS03-0760-P	7.60	8	79	41	29	40	●
HWS03-0770-P	7.70	8	79	41	29	40	●
HWS03-0780-P	7.80	8	79	41	29	40	●
HWS03-0790-P	7.90	8	79	41	29	40	●
HWS03-0800-P	8.00	8	79	41	29	40	●
HWS03-0810-P	8.10	10	89	47	35	40	●
HWS03-0820-P	8.20	10	89	47	35	40	●
HWS03-0830-P	8.30	10	89	47	35	40	●
HWS03-0840-P	8.40	10	89	47	35	40	●
HWS03-0850-P	8.50	10	89	47	35	40	●
HWS03-0860-P	8.60	10	89	47	35	40	●
HWS03-0870-P	8.70	10	89	47	35	40	●
HWS03-0880-P	8.80	10	89	47	35	40	●
HWS03-0890-P	8.90	10	89	47	35	40	●
HWS03-0900-P	9.00	10	89	47	35	40	●
HWS03-0910-P	9.10	10	89	47	35	40	●
HWS03-0920-P	9.20	10	89	47	35	40	●
HWS03-0930-P	9.30	10	89	47	35	40	●
HWS03-0940-P	9.40	10	89	47	35	40	●
HWS03-0950-P	9.50	10	89	47	35	40	●
HWS03-0960-P	9.60	10	89	47	35	40	●
HWS03-0970-P	9.70	10	89	47	35	40	●
HWS03-0980-P	9.80	10	89	47	35	40	●
HWS03-0990-P	9.90	10	89	47	35	40	●
HWS03-1000-P	10.00	10	89	47	35	40	●
HWS03-1010-P	10.10	12	102	55	40	45	●
HWS03-1020-P	10.20	12	102	55	40	45	●
HWS03-1030-P	10.30	12	102	55	40	45	●
HWS03-1040-P	10.40	12	102	55	40	45	●
HWS03-1050-P	10.50	12	102	55	40	45	●
HWS03-1060-P	10.60	12	102	55	40	45	●
HWS03-1070-P	10.70	12	102	55	40	45	●
HWS03-1080-P	10.80	12	102	55	40	45	●
HWS03-1090-P	10.90	12	102	55	40	45	●
HWS03-1100-P	11.00	12	102	55	40	45	●
HWS03-1110-P	11.10	12	102	55	40	45	●

Carbide Drill Tip For Steel 3XD (Internal Cooling)

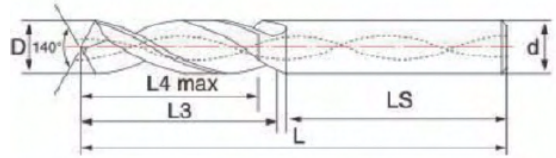
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS03-1120-P	11.20	12	102	55	40	45	●
HWS03-1130-P	11.30	12	102	55	40	45	●
HWS03-1140-P	11.40	12	102	55	40	45	●
HWS03-1150-P	11.50	12	102	55	40	45	●
HWS03-1160-P	11.60	12	102	55	40	45	●
HWS03-1170-P	11.70	12	102	55	40	45	●
HWS03-1180-P	11.80	12	102	55	40	45	●
HWS03-1190-P	11.90	12	102	55	40	45	●
HWS03-1200-P	12.00	12	102	55	40	45	●
HWS03-1210-P	12.10	14	107	60	43	45	●
HWS03-1220-P	12.20	14	107	60	43	45	●
HWS03-1230-P	12.30	14	107	60	43	45	●
HWS03-1240-P	12.40	14	107	60	43	45	●
HWS03-1250-P	12.50	14	107	60	43	45	●
HWS03-1260-P	12.60	14	107	60	43	45	●
HWS03-1280-P	12.80	14	107	60	43	45	●
HWS03-1290-P	12.90	14	107	60	43	45	●
HWS03-1300-P	13.00	14	107	60	43	45	●
HWS03-1310-P	13.10	14	107	60	43	45	●
HWS03-1320-P	13.20	14	107	60	43	45	●
HWS03-1330-P	13.30	14	107	60	43	45	●
HWS03-1340-P	13.40	14	107	60	43	45	●
HWS03-1350-P	13.50	14	107	60	43	45	●
HWS03-1360-P	13.60	14	107	60	43	45	●
HWS03-1370-P	13.70	14	107	60	43	45	●
HWS03-1380-P	13.80	14	107	60	43	45	●
HWS03-1390-P	13.90	14	107	60	43	45	●
HWS03-1400-P	14.00	14	107	60	43	45	●
HWS03-1410-P	14.10	16	115	65	45	45	●
HWS03-1420-P	14.20	16	115	65	45	45	●
HWS03-1430-P	14.30	16	115	65	45	45	●
HWS03-1440-P	14.40	16	115	65	45	45	●
HWS03-1450-P	14.50	16	115	65	45	45	●
HWS03-1460-P	14.60	16	115	65	45	45	●
HWS03-1470-P	14.70	16	115	65	45	45	●
HWS03-1480-P	14.80	16	115	65	45	45	●
HWS03-1490-P	14.90	16	115	65	45	45	●
HWS03-1500-P	15.00	16	115	65	45	45	●
HWS03-1510-P	15.10	16	115	65	45	45	●
HWS03-1520-P	15.20	16	115	65	45	45	●
HWS03-1530-P	15.30	16	115	65	45	45	●

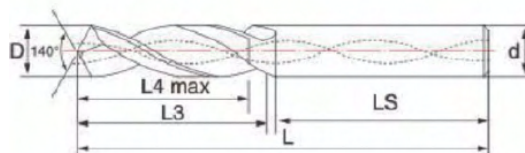
Carbide Drill Tip For Steel 3XD (Internal Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS03-1540-P	15.40	16	115	65	45	45	●
HWS03-1550-P	15.50	16	115	65	45	45	●
HWS03-1560-P	15.60	16	115	65	45	45	●
HWS03-1570-P	15.70	16	115	65	45	45	●
HWS03-1580-P	15.80	16	115	65	45	45	●
HWS03-1590-P	15.90	16	115	65	45	45	●
HWS03-1600-P	16.00	16	115	65	45	45	●
HWS03-1650-P	16.50	18	123	73	51	48	●
HWS03-1680-P	16.80	18	123	73	51	48	●
HWS03-1700-P	17.00	18	123	73	51	48	●
HWS03-1780-P	17.80	18	123	73	51	48	●
HWS03-1800-P	18.00	18	123	73	51	48	●
HWS03-1850-P	18.50	20	131	79	55	50	●
HWS03-1880-P	18.80	20	131	79	55	50	●
HWS03-1900-P	19.00	20	131	79	55	50	●
HWS03-1950-P	19.50	20	131	79	55	50	●
HWS03-1980-P	19.80	20	131	79	55	50	●
HWS03-2000-P	20.00	20	131	79	55	50	●

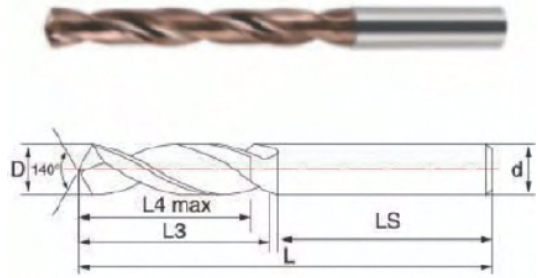
Carbide Drill Tip For Steel 5XD (External Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE05-0300-P	3.00	4	62	28	23	36	●
HWE05-0310-P	3.10	4	62	28	23	36	●
HWE05-0320-P	3.20	4	62	28	23	36	●
HWE05-0330-P	3.30	4	62	28	23	36	●
HWE05-0340-P	3.40	4	62	28	23	36	●
HWE05-0350-P	3.50	4	62	28	23	36	●
HWE05-0360-P	3.60	4	62	28	23	36	●
HWE05-0370-P	3.70	4	62	28	23	36	●
HWE05-0380-P	3.80	4	62	28	29	36	●
HWE05-0390-P	3.90	4	62	28	29	36	●
HWE05-0400-P	4.00	4	62	28	29	36	●
HWE05-0410-P	4.10	6	74	36	29	36	●
HWE05-0420-P	4.20	6	74	36	29	36	●
HWE05-0430-P	4.30	6	74	36	29	36	●
HWE05-0440-P	4.40	6	74	36	29	36	●
HWE05-0450-P	4.50	6	74	36	29	36	●
HWE05-0460-P	4.60	6	74	36	29	36	●
HWE05-0470-P	4.70	6	74	36	29	36	●
HWE05-0480-P	4.80	6	82	44	35	36	●
HWE05-0490-P	4.90	6	82	44	35	36	●
HWE05-0500-P	5.00	6	82	44	35	36	●
HWE05-0510-P	5.10	6	82	44	35	36	●
HWE05-0520-P	5.20	6	82	44	35	36	●
HWE05-0530-P	5.30	6	82	44	35	36	●
HWE05-0540-P	5.40	6	82	44	35	36	●
HWE05-0550-P	5.50	6	82	44	35	36	●
HWE05-0560-P	5.60	6	82	44	35	36	●
HWE05-0570-P	5.70	6	82	44	35	36	●
HWE05-0580-P	5.80	6	82	44	35	36	●
HWE05-0590-P	5.90	6	82	44	35	36	●
HWE05-0600-P	6.00	6	82	44	35	36	●
HWE05-0610-P	6.10	8	91	53	43	36	●
HWE05-0620-P	6.20	8	91	53	43	36	●
HWE05-0630-P	6.30	8	91	53	43	36	●
HWE05-0640-P	6.40	8	91	53	43	36	●
HWE05-0650-P	6.50	8	91	53	43	36	●
HWE05-0660-P	6.60	8	91	53	43	36	●
HWE05-0670-P	6.70	8	91	53	43	36	●
HWE05-0680-P	6.80	8	91	53	43	36	●
HWE05-0690-P	6.90	8	91	53	43	36	●

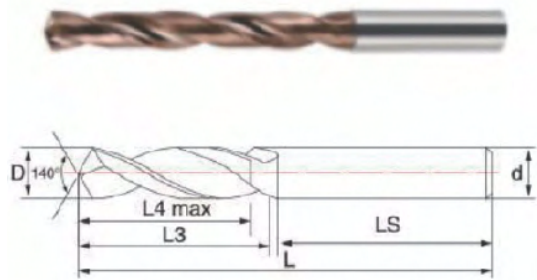
Carbide Drill Tip For Steel 5XD (External Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE05-0700-P	7.00	8	91	53	43	36	●
HWE05-0710-P	7.10	8	91	53	43	36	●
HWE05-0720-P	7.20	8	91	53	43	40	●
HWE05-0730-P	7.30	8	91	53	43	40	●
HWE05-0740-P	7.40	8	91	53	43	40	●
HWE05-0750-P	7.50	8	91	53	43	40	●
HWE05-0760-P	7.60	8	91	53	43	40	●
HWE05-0770-P	7.70	8	91	53	43	40	●
HWE05-0780-P	7.80	8	91	53	43	40	●
HWE05-0790-P	7.90	8	91	53	43	40	●
HWE05-0800-P	8.00	8	91	53	43	40	●
HWE05-0810-P	8.10	10	103	61	49	40	●
HWE05-0820-P	8.20	10	103	61	49	40	●
HWE05-0830-P	8.30	10	103	61	49	40	●
HWE05-0840-P	8.40	10	103	61	49	40	●
HWE05-0850-P	8.50	10	103	61	49	40	●
HWE05-0860-P	8.60	10	103	61	49	40	●
HWE05-0870-P	8.70	10	103	61	49	40	●
HWE05-0880-P	8.80	10	103	61	49	40	●
HWE05-0890-P	8.90	10	103	61	49	40	●
HWE05-0900-P	9.00	10	103	61	49	40	●
HWE05-0910-P	9.10	10	103	61	49	40	●
HWE05-0920-P	9.20	10	103	61	49	40	●
HWE05-0930-P	9.30	10	103	61	49	40	●
HWE05-0940-P	9.40	10	103	61	49	40	●
HWE05-0950-P	9.50	10	103	61	49	40	●
HWE05-0960-P	9.60	10	103	61	49	40	●
HWE05-0970-P	9.70	10	103	61	49	40	●
HWE05-0980-P	9.80	10	103	61	49	40	●
HWE05-0990-P	9.90	10	103	61	49	40	●
HWE05-1000-P	10.00	10	103	61	49	40	●
HWE05-1010-P	10.10	12	118	71	56	45	●
HWE05-1020-P	10.20	12	118	71	56	45	●
HWE05-1030-P	10.30	12	118	71	56	45	●
HWE05-1040-P	10.40	12	118	71	56	45	●
HWE05-1050-P	10.50	12	118	71	56	45	●
HWE05-1060-P	10.60	12	118	71	56	45	●
HWE05-1070-P	10.70	12	118	71	56	45	●
HWE05-1080-P	10.80	12	118	71	56	45	●
HWE05-1090-P	10.90	12	118	71	56	45	●

Carbide Drill Tip For Steel 5XD (External Cooling)

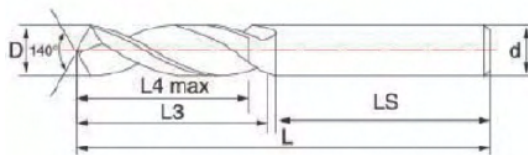
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE05-1100-P	11.00	12	118	71	56	45	●
HWE05-1110-P	11.10	12	118	71	56	45	●
HWE05-1120-P	11.20	12	118	71	56	45	●
HWE05-1130-P	11.30	12	118	71	56	45	●
HWE05-1140-P	11.40	12	118	71	56	45	●
HWE05-1150-P	11.50	12	118	71	56	45	●
HWE05-1160-P	11.60	12	118	71	56	45	●
HWE05-1170-P	11.70	12	118	71	56	45	●
HWE05-1180-P	11.80	12	118	71	56	45	●
HWE05-1190-P	11.90	12	118	71	56	45	●
HWE05-1200-P	12.00	12	118	71	56	45	●
HWE05-1210-P	12.10	14	124	77	60	45	●
HWE05-1220-P	12.20	14	124	77	60	45	●
HWE05-1230-P	12.30	14	124	77	60	45	●
HWE05-1240-P	12.40	14	124	77	60	45	●
HWE05-1250-P	12.50	14	124	77	60	45	●
HWE05-1260-P	12.60	14	124	77	60	45	●
HWE05-1280-P	12.80	14	124	77	60	45	●
HWE05-1290-P	12.90	14	124	77	60	45	●
HWE05-1300-P	13.00	14	124	77	60	45	●
HWE05-1310-P	13.10	14	124	77	60	45	●
HWE05-1320-P	13.20	14	124	77	60	45	●
HWE05-1330-P	13.30	14	124	77	60	45	●
HWE05-1340-P	13.40	14	124	77	60	45	●
HWE05-1350-P	13.50	14	124	77	60	45	●
HWE05-1360-P	13.60	14	124	77	60	45	●
HWE05-1370-P	13.70	14	124	77	60	45	●
HWE05-1380-P	13.80	14	124	77	60	45	●
HWE05-1390-P	13.90	14	124	77	60	45	●
HWE05-1400-P	14.00	14	124	77	60	45	●
HWE05-1410-P	14.10	16	133	83	63	45	●
HWE05-1420-P	14.20	16	133	83	63	45	●
HWE05-1430-P	14.30	16	133	83	63	45	●
HWE05-1440-P	14.40	16	133	83	63	45	●
HWE05-1450-P	14.50	16	133	83	63	45	●
HWE05-1460-P	14.60	16	133	83	63	45	●
HWE05-1470-P	14.70	16	133	83	63	45	●
HWE05-1480-P	14.80	16	133	83	63	45	●
HWE05-1490-P	14.90	16	133	83	63	45	●
HWE05-1500-P	15.00	16	133	83	63	45	●

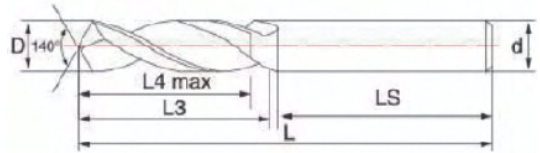
Carbide Drill Tip For Steel 5XD (External Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWE05-1510-P	15.10	16	133	83	63	45	●
HWE05-1520-P	15.20	16	133	83	63	45	●
HWE05-1530-P	15.30	16	133	83	63	45	●
HWE05-1540-P	15.40	16	133	83	63	45	●
HWE05-1550-P	15.50	16	133	83	63	45	●
HWE05-1560-P	15.60	16	133	83	63	45	●
HWE05-1570-P	15.70	16	133	83	63	45	●
HWE05-1580-P	15.80	16	133	83	63	45	●
HWE05-1590-P	15.90	16	133	83	63	45	●
HWE05-1600-P	16.00	16	133	83	63	45	●
HWE05-1650-P	16.50	18	143	93	71	48	●
HWE05-1680-P	16.80	18	143	93	71	48	●
HWE05-1700-P	17.00	18	143	93	71	48	●
HWE05-1750-P	17.50	18	143	93	71	48	●
HWE05-1780-P	17.80	18	143	93	71	48	●
HWE05-1800-P	18.00	18	143	93	71	48	●
HWE05-1850-P	18.50	20	153	101	77	50	●
HWE05-1900-P	19.00	20	153	101	77	50	●
HWE05-1950-P	19.50	20	153	101	77	50	●
HWE05-1980-P	19.80	20	153	101	77	50	●
HWE05-2000-P	20.00	20	153	101	77	50	●

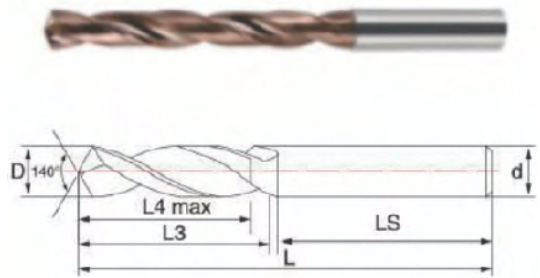
Carbide Drill Tip For Steel 5XD (Internal Cooling)

■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.

■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS05-0300-P	3.00	4	62	28	23	36	●
HWS05-0310-P	3.10	4	62	28	23	36	●
HWS05-0320-P	3.20	4	62	28	23	36	●
HWS05-0330-P	3.30	4	62	28	23	36	●
HWS05-0340-P	3.40	4	62	28	23	36	●
HWS05-0350-P	3.50	4	62	28	23	36	●
HWS05-0360-P	3.60	4	62	28	23	36	●
HWS05-0370-P	3.70	4	62	28	23	36	●
HWS05-0380-P	3.80	4	62	28	29	36	●
HWS05-0390-P	3.90	4	62	28	29	36	●
HWS05-0400-P	4.00	4	62	28	29	36	●
HWS05-0410-P	4.10	6	74	36	29	36	●
HWS05-0420-P	4.20	6	74	36	29	36	●
HWS05-0430-P	4.30	6	74	36	29	36	●
HWS05-0440-P	4.40	6	74	36	29	36	●
HWS05-0450-P	4.50	6	74	36	29	36	●
HWS05-0460-P	4.60	6	74	36	29	36	●
HWS05-0470-P	4.70	6	74	36	29	36	●
HWS05-0480-P	4.80	6	82	44	35	36	●
HWS05-0480-P	4.90	6	82	44	35	36	●
HWS05-0500-P	5.00	6	82	44	35	36	●
HWS05-0510-P	5.10	6	82	44	35	36	●
HWS05-0520-P	5.20	6	82	44	35	36	●
HWS05-0530-P	5.30	6	82	44	35	36	●
HWS05-0540-P	5.40	6	82	44	35	36	●
HWS05-0550-P	5.50	6	82	44	35	36	●
HWS05-0560-P	5.60	6	82	44	35	36	●
HWS05-0570-P	5.70	6	82	44	35	36	●
HWS05-0580-P	5.80	6	82	44	35	36	●
HWS05-0590-P	5.90	6	82	44	35	36	●
HWS05-0600-P	6.00	6	82	44	35	36	●
HWS05-0610-P	6.10	8	91	53	43	36	●
HWS05-0620-P	6.20	8	91	53	43	36	●
HWS05-0630-P	6.30	8	91	53	43	36	●
HWS05-0640-P	6.40	8	91	53	43	36	●
HWS05-0650-P	6.50	8	91	53	43	36	●
HWS05-0660-P	6.60	8	91	53	43	36	●
HWS05-0670-P	6.70	8	91	53	43	36	●
HWS05-0680-P	6.80	8	91	53	43	36	●
HWS05-0690-P	6.90	8	91	53	43	36	●

Carbide Drill Tip For Steel 5XD (Internal Cooling)

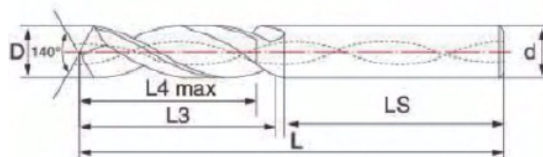
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS05-0700-P	7.00	8	91	53	43	36	●
HWS05-0710-P	7.10	8	91	53	43	36	●
HWS05-0720-P	7.20	8	91	53	43	40	●
HWS05-0730-P	7.30	8	91	53	43	40	●
HWS05-0740-P	7.40	8	91	53	43	40	●
HWS05-0750-P	7.50	8	91	53	43	40	●
HWS05-0760-P	7.60	8	91	53	43	40	●
HWS05-0770-P	7.70	8	91	53	43	40	●
HWS05-0780-P	7.80	8	91	53	43	40	●
HWS05-0790-P	7.90	8	91	53	43	40	●
HWS05-0800-P	8.00	8	91	53	43	40	●
HWS05-0810-P	8.10	10	103	61	49	40	●
HWS05-0820-P	8.20	10	103	61	49	40	●
HWS05-0830-P	8.30	10	103	61	49	40	●
HWS05-0840-P	8.40	10	103	61	49	40	●
HWS05-0850-P	8.50	10	103	61	49	40	●
HWS05-0860-P	8.60	10	103	61	49	40	●
HWS05-0870-P	8.70	10	103	61	49	40	●
HWS05-0880-P	8.80	10	103	61	49	40	●
HWS05-0890-P	8.90	10	103	61	49	40	●
HWS05-0900-P	9.00	10	103	61	49	40	●
HWS05-0910-P	9.10	10	103	61	49	40	●
HWS05-0920-P	9.20	10	103	61	49	40	●
HWS05-0930-P	9.30	10	103	61	49	40	●
HWS05-0940-P	9.40	10	103	61	49	40	●
HWS05-0950-P	9.50	10	103	61	49	40	●
HWS05-0960-P	9.60	10	103	61	49	40	●
HWS05-0970-P	9.70	10	103	61	49	40	●
HWS05-0980-P	9.80	10	103	61	49	40	●
HWS05-0990-P	9.90	10	103	61	49	40	●
HWS05-1000-P	10.00	10	103	61	49	40	●
HWS05-1010-P	10.10	12	118	71	56	45	●
HWS05-1020-P	10.20	12	118	71	56	45	●
HWS05-1030-P	10.30	12	118	71	56	45	●
HWS05-1040-P	10.40	12	118	71	56	45	●
HWS05-1050-P	10.50	12	118	71	56	45	●
HWS05-1060-P	10.60	12	118	71	56	45	●
HWS05-1070-P	10.70	12	118	71	56	45	●
HWS05-1080-P	10.80	12	118	71	56	45	●
HWS05-1090-P	10.90	12	118	71	56	45	●

Carbide Drill Tip For Steel 5XD (Internal Cooling)

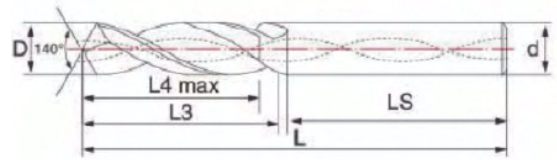
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



Item Code	D	d	L	L3	L4 max	LS	Stock
HWS05-1100-P	11.00	12	118	71	56	45	●
HWS05-1110-P	11.10	12	118	71	56	45	●
HWS05-1120-P	11.20	12	118	71	56	45	●
HWS05-1130-P	11.30	12	118	71	56	45	●
HWS05-1140-P	11.40	12	118	71	56	45	●
HWS05-1150-P	11.50	12	118	71	56	45	●
HWS05-1160-P	11.60	12	118	71	56	45	●
HWS05-1170-P	11.70	12	118	71	56	45	●
HWS05-1180-P	11.80	12	118	71	56	45	●
HWS05-1190-P	11.90	12	118	71	56	45	●
HWS05-1200-P	12.00	12	118	71	56	45	●
HWS05-1210-P	12.10	14	124	77	60	45	●
HWS05-1220-P	12.20	14	124	77	60	45	●
HWS05-1230-P	12.30	14	124	77	60	45	●
HWS05-1240-P	12.40	14	124	77	60	45	●
HWS05-1250-P	12.50	14	124	77	60	45	●
HWS05-1260-P	12.60	14	124	77	60	45	●
HWS05-1280-P	12.80	14	124	77	60	45	●
HWS05-1290-P	12.90	14	124	77	60	45	●
HWS05-1300-P	13.00	14	124	77	60	45	●
HWS05-1310-P	13.10	14	124	77	60	45	●
HWS05-1320-P	13.20	14	124	77	60	45	●
HWS05-1330-P	13.30	14	124	77	60	45	●
HWS05-1340-P	13.40	14	124	77	60	45	●
HWS05-1350-P	13.50	14	124	77	60	45	●
HWS05-1360-P	13.60	14	124	77	60	45	●
HWS05-1370-P	13.70	14	124	77	60	45	●
HWS05-1380-P	13.80	14	124	77	60	45	●
HWS05-1390-P	13.90	14	124	77	60	45	●
HWS05-1400-P	14.00	14	124	77	60	45	●
HWS05-1410-P	14.10	16	133	83	63	45	●
HWS05-1420-P	14.20	16	133	83	63	45	●
HWS05-1430-P	14.30	16	133	83	63	45	●
HWS05-1440-P	14.40	16	133	83	63	45	●
HWS05-1450-P	14.50	16	133	83	63	45	●
HWS05-1460-P	14.60	16	133	83	63	45	●
HWS05-1470-P	14.70	16	133	83	63	45	●
HWS05-1480-P	14.80	16	133	83	63	45	●
HWS05-1490-P	14.90	16	133	83	63	45	●
HWS05-1500-P	15.00	16	133	83	63	45	●

Carbide Drill Tip For Steel 5XD (Internal Cooling)

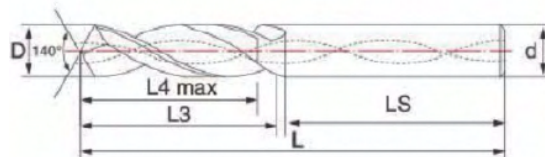
■ Usage characteristics

Suitable for low carbon steel, medium carbon steel, HRC28 below alloy steel material processing, centering ability, Stable dimensional accuracy and good surface quality.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

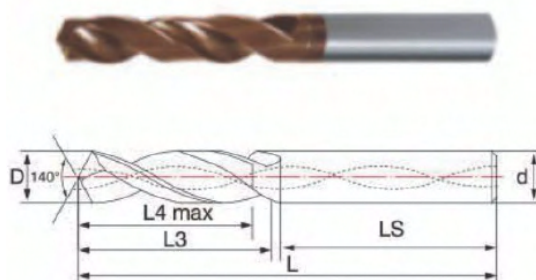


Item Code	D	d	L	L3	L4 max	LS	Stock
HWS05-1510-P	15.10	16	133	83	63	45	●
HWS05-1520-P	15.20	16	133	83	63	45	●
HWS05-1530-P	15.30	16	133	83	63	45	●
HWS05-1540-P	15.40	16	133	83	63	45	●
HWS05-1550-P	15.50	16	133	83	63	45	●
HWS05-1560-P	15.60	16	133	83	63	45	●
HWS05-1570-P	15.70	16	133	83	63	45	●
HWS05-1580-P	15.80	16	133	83	63	45	●
HWS05-1590-P	15.90	16	133	83	63	45	●
HWS05-1600-P	16.00	16	133	83	63	45	●
HWS05-1650-P	16.50	18	143	93	71	48	●
HWS05-1680-P	16.80	18	143	93	71	48	●
HWS05-1700-P	17.00	18	143	93	71	48	●
HWS05-1750-P	17.50	18	143	93	71	48	●
HWS05-1780-P	17.80	18	143	93	71	48	●
HWS05-1800-P	18.00	18	143	93	71	48	●
HWS05-1850-P	18.50	20	153	101	77	50	●
HWS05-1900-P	19.00	20	153	101	77	50	●
HWS05-1950-P	19.50	20	153	101	77	50	●
HWS05-1980-P	19.80	20	153	101	77	50	●
HWS05-2000-P	20.00	20	153	101	77	50	●

Carbide Drill Tip For Stainless Steel 3XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

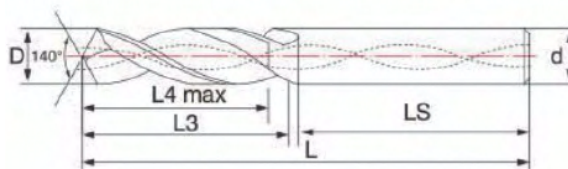
- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS03-0400	4.00	6	66	24	17	36	●
HSUSS03-0420	4.20	6	66	24	17	36	●
HSUSS03-0430	4.30	6	66	24	17	36	●
HSUSS03-0450	4.50	6	66	24	17	36	●
HSUSS03-0465	4.65	6	66	24	17	36	●
HSUSS03-0480	4.80	6	66	28	20	36	●
HSUSS03-0500	5.00	6	66	28	20	36	●
HSUSS03-0510	5.10	6	66	28	20	36	●
HSUSS03-0520	5.20	6	66	28	20	36	●
HSUSS03-0550	5.50	6	66	28	20	36	●
HSUSS03-0555	5.55	6	66	28	20	36	●
HSUSS03-0580	5.80	6	66	28	20	36	●
HSUSS03-0600	6.00	6	66	28	20	36	●
HSUSS03-0610	6.10	8	79	34	24	36	●
HSUSS03-0620	6.20	8	79	34	24	36	●
HSUSS03-0630	6.30	8	79	34	24	36	●
HSUSS03-0650	6.50	8	79	34	24	36	●
HSUSS03-0660	6.60	8	79	34	24	36	●
HSUSS03-0670	6.70	8	79	34	24	36	●
HSUSS03-0690	6.90	8	79	34	24	36	●
HSUSS03-0700	7.00	8	79	34	24	36	●
HSUSS03-0710	7.10	8	79	41	29	36	●
HSUSS03-0740	7.40	8	79	41	29	36	●
HSUSS03-0750	7.50	8	79	41	29	36	●
HSUSS03-0780	7.80	8	79	41	29	36	●
HSUSS03-0800	8.00	8	79	41	29	36	●
HSUSS03-0810	8.10	10	89	47	35	40	●
HSUSS03-0840	8.40	10	89	47	35	40	●
HSUSS03-0850	8.50	10	89	47	35	40	●
HSUSS03-0860	8.60	10	89	47	35	40	●
HSUSS03-0870	8.70	10	89	47	35	40	●
HSUSS03-0880	8.80	10	89	47	35	40	●
HSUSS03-0900	9.00	10	89	47	35	40	●
HSUSS03-0930	9.30	10	89	47	35	40	●
HSUSS03-0950	9.50	10	89	47	35	40	●
HSUSS03-0960	9.60	10	89	47	35	40	●
HSUSS03-0980	9.80	10	89	47	35	40	●
HSUSS03-1000	10.00	10	89	47	35	40	●
HSUSS03-1025	10.25	12	102	55	40	45	●
HSUSS03-1040	10.40	12	102	55	40	45	●

Carbide Drill Tip For Stainless Steel 3XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

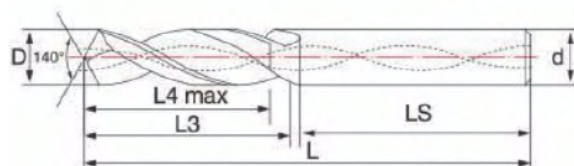
- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS03-1050	10.50	12	102	55	40	45	●
HSUSS03-1060	10.60	12	102	55	40	45	●
HSUSS03-1080	10.80	12	102	55	40	45	●
HSUSS03-1100	11.00	12	102	55	40	45	●
HSUSS03-1120	11.20	12	102	55	40	45	●
HSUSS03-1150	11.50	12	102	55	40	45	●
HSUSS03-1180	11.80	12	102	55	40	45	●
HSUSS03-1200	12.00	12	102	55	40	45	●
HSUSS03-1225	12.25	14	107	60	43	45	●
HSUSS03-1250	12.50	14	107	60	43	45	●
HSUSS03-1270	12.70	14	107	60	43	45	●
HSUSS03-1275	12.75	14	107	60	43	45	●
HSUSS03-1280	12.80	14	107	60	43	45	●
HSUSS03-1300	13.00	14	107	60	43	45	●
HSUSS03-1310	13.10	14	107	60	43	45	●
HSUSS03-1350	13.50	14	107	60	43	45	●
HSUSS03-1380	13.80	14	107	60	43	45	●
HSUSS03-1400	14.00	14	107	60	43	45	●
HSUSS03-1425	14.25	16	115	65	45	48	●
HSUSS03-1450	14.50	16	115	65	45	48	●
HSUSS03-1475	14.75	16	115	65	45	48	●
HSUSS03-1480	14.80	16	115	65	45	48	●
HSUSS03-1500	15.00	16	115	65	45	48	●
HSUSS03-1510	15.10	16	115	65	45	48	●
HSUSS03-1550	15.50	16	115	65	45	48	●
HSUSS03-1580	15.80	16	115	65	45	48	●
HSUSS03-1600	16.00	16	115	65	45	48	●

Carbide Drill Tip For Stainless Steel 3XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

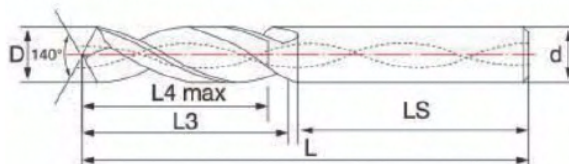
- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS03-0400	4.00	6	66	24	17	36	●
HSUSS03-0420	4.20	6	66	24	17	36	●
HSUSS03-0430	4.30	6	66	24	17	36	●
HSUSS03-0450	4.50	6	66	24	17	36	●
HSUSS03-0465	4.65	6	66	24	17	36	●
HSUSS03-0480	4.80	6	66	28	20	36	●
HSUSS03-0500	5.00	6	66	28	20	36	●
HSUSS03-0510	5.10	6	66	28	20	36	●
HSUSS03-0520	5.20	6	66	28	20	36	●
HSUSS03-0550	5.50	6	66	28	20	36	●
HSUSS03-0555	5.55	6	66	28	20	36	●
HSUSS03-0580	5.80	6	66	28	20	36	●
HSUSS03-0600	6.00	6	66	28	20	36	●
HSUSS03-0610	6.10	8	79	34	24	36	●
HSUSS03-0620	6.20	8	79	34	24	36	●
HSUSS03-0630	6.30	8	79	34	24	36	●
HSUSS03-0650	6.50	8	79	34	24	36	●
HSUSS03-0660	6.60	8	79	34	24	36	●
HSUSS03-0670	6.70	8	79	34	24	36	●
HSUSS03-0690	6.90	8	79	34	24	36	●
HSUSS03-0700	7.00	8	79	34	24	36	●
HSUSS03-0710	7.10	8	79	41	29	36	●
HSUSS03-0740	7.40	8	79	41	29	36	●
HSUSS03-0750	7.50	8	79	41	29	36	●
HSUSS03-0780	7.80	8	79	41	29	36	●
HSUSS03-0800	8.00	8	79	41	29	36	●
HSUSS03-0810	8.10	10	89	47	35	40	●
HSUSS03-0840	8.40	10	89	47	35	40	●
HSUSS03-0850	8.50	10	89	47	35	40	●
HSUSS03-0860	8.60	10	89	47	35	40	●
HSUSS03-0870	8.70	10	89	47	35	40	●
HSUSS03-0880	8.80	10	89	47	35	40	●
HSUSS03-0900	9.00	10	89	47	35	40	●
HSUSS03-0930	9.30	10	89	47	35	40	●
HSUSS03-0950	9.50	10	89	47	35	40	●
HSUSS03-0960	9.60	10	89	47	35	40	●
HSUSS03-0980	9.80	10	89	47	35	40	●
HSUSS03-1000	10.00	10	89	47	35	40	●
HSUSS03-1025	10.25	12	102	55	40	45	●
HSUSS03-1040	10.40	12	102	55	40	45	●

Carbide Drill Tip For Stainless Steel 3XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS03-1050	10.50	12	102	55	40	45	●
HSUSS03-1060	10.60	12	102	55	40	45	●
HSUSS03-1080	10.80	12	102	55	40	45	●
HSUSS03-1100	11.00	12	102	55	40	45	●
HSUSS03-1120	11.20	12	102	55	40	45	●
HSUSS03-1150	11.50	12	102	55	40	45	●
HSUSS03-1180	11.80	12	102	55	40	45	●
HSUSS03-1200	12.00	12	102	55	40	45	●
HSUSS03-1225	12.25	14	107	60	43	45	●
HSUSS03-1250	12.50	14	107	60	43	45	●
HSUSS03-1270	12.70	14	107	60	43	45	●
HSUSS03-1275	12.75	14	107	60	43	45	●
HSUSS03-1280	12.80	14	107	60	43	45	●
HSUSS03-1300	13.00	14	107	60	43	45	●
HSUSS03-1310	13.10	14	107	60	43	45	●
HSUSS03-1350	13.50	14	107	60	43	45	●
HSUSS03-1380	13.80	14	107	60	43	45	●
HSUSS03-1400	14.00	14	107	60	43	45	●
HSUSS03-1425	14.25	16	115	65	45	48	●
HSUSS03-1450	14.50	16	115	65	45	48	●
HSUSS03-1475	14.75	16	115	65	45	48	●
HSUSS03-1480	14.80	16	115	65	45	48	●
HSUSS03-1500	15.00	16	115	65	45	48	●
HSUSS03-1510	15.10	16	115	65	45	48	●
HSUSS03-1550	15.50	16	115	65	45	48	●
HSUSS03-1580	15.80	16	115	65	45	48	●
HSUSS03-1600	16.00	16	115	65	45	48	●

Carbide Drill Tip For Stainless Steel 5XD (Internal Cooling)

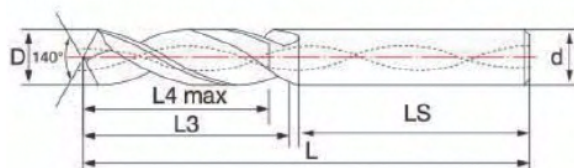
■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo



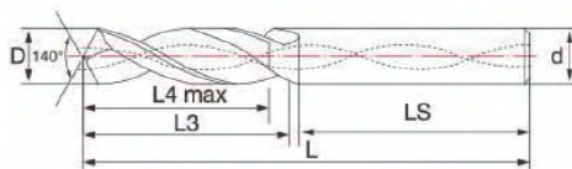
Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS05-0300	3.00	6	66	28	23	36	●
HSUSS05-0325	3.25	6	66	28	23	36	●
HSUSS05-0330	3.30	6	66	28	23	36	●
HSUSS05-0340	3.40	6	66	28	23	36	●
HSUSS05-0350	3.50	6	66	28	23	36	●
HSUSS05-0370	3.70	6	66	28	23	36	●
HSUSS05-0400	4.00	6	74	36	29	36	●
HSUSS05-0420	4.20	6	74	36	29	36	●
HSUSS05-0430	4.30	6	74	36	29	36	●
HSUSS05-0450	4.50	6	74	36	29	36	●
HSUSS05-0465	4.65	6	74	36	29	36	●
HSUSS05-0480	4.80	6	82	44	35	36	●
HSUSS05-0500	5.00	6	82	44	35	36	●
HSUSS05-0510	5.10	6	82	44	35	36	●
HSUSS05-0520	5.20	6	82	44	35	36	●
HSUSS05-0550	5.50	6	82	44	35	36	●
HSUSS05-0555	5.55	6	82	44	35	36	●
HSUSS05-0580	5.80	6	82	44	35	36	●
HSUSS05-0600	6.00	6	82	44	35	36	●
HSUSS05-0610	6.10	8	91	53	43	36	●
HSUSS05-0620	6.20	8	91	53	43	36	●
HSUSS05-0630	6.30	8	91	53	43	36	●
HSUSS05-0650	6.50	8	91	53	43	36	●
HSUSS05-0660	6.60	8	91	53	43	36	●
HSUSS05-0670	6.70	8	91	53	43	36	●
HSUSS05-0690	6.90	8	91	53	43	36	●
HSUSS05-0700	7.00	8	91	53	43	36	●
HSUSS05-0710	7.10	8	91	53	43	36	●
HSUSS05-0740	7.40	8	91	53	43	36	●
HSUSS05-0750	7.50	8	91	53	43	36	●
HSUSS05-0780	7.80	8	91	53	43	36	●
HSUSS05-0800	8.00	8	91	53	43	36	●
HSUSS05-0810	8.10	10	103	61	49	40	●
HSUSS05-0840	8.40	10	103	61	49	40	●
HSUSS05-0850	8.50	10	103	61	49	40	●
HSUSS05-0860	8.60	10	103	61	49	40	●
HSUSS05-0870	8.70	10	103	61	49	40	●

Note: For the cutting edge diameter(D) < 10, the MOQ is 5pcs, and for others, the MOQ is 3pcs.

Carbide Drill Tip For Stainless Steel 5XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

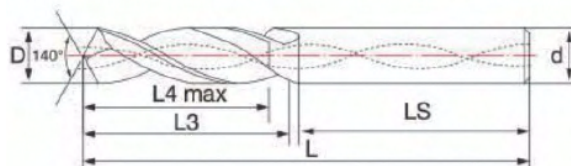
Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS05-0880	8.80	10	103	61	49	40	●
HSUSS05-0900	9.00	10	103	61	49	40	●
HSUSS05-0930	9.30	10	103	61	49	40	●
HSUSS05-0950	9.50	10	103	61	49	40	●
HSUSS05-0960	9.60	10	103	61	49	40	●
HSUSS05-0980	9.80	10	103	61	49	40	●
HSUSS05-1000	10.00	10	103	61	49	40	●
HSUSS05-1025	10.25	12	118	71	56	45	●
HSUSS05-1040	10.40	12	118	71	56	45	●
HSUSS05-1050	10.50	12	118	71	56	45	●
HSUSS05-1060	10.60	12	118	71	56	45	●
HSUSS05-1080	10.80	12	118	71	56	45	●
HSUSS05-1100	11.00	12	118	71	56	45	●
HSUSS05-1120	11.20	12	118	71	56	45	●
HSUSS05-1150	11.50	12	118	71	56	45	●
HSUSS05-1180	11.80	12	118	71	56	45	●
HSUSS05-1200	12.00	12	118	71	56	45	●
HSUSS05-1220	12.20	14	124	77	60	45	●
HSUSS05-1225	12.25	14	124	77	60	45	●
HSUSS05-1250	12.50	14	124	77	60	45	●
HSUSS05-1270	12.70	14	124	77	60	45	●
HSUSS05-1275	12.75	14	124	77	60	45	●
HSUSS05-1280	12.80	14	124	77	60	45	●
HSUSS05-1300	13.00	14	124	77	60	45	●
HSUSS05-1350	13.50	14	124	77	60	45	●
HSUSS05-1380	13.80	14	124	77	60	45	●
HSUSS05-1400	14.00	14	124	77	60	45	●
HSUSS05-1425	14.25	16	133	83	63	48	●
HSUSS05-1450	14.50	16	133	83	63	48	●
HSUSS05-1475	14.75	16	133	83	63	48	●
HSUSS05-1480	14.80	16	133	83	63	48	●
HSUSS05-1500	15.00	16	133	83	63	48	●
HSUSS05-1510	15.10	16	133	83	63	48	●
HSUSS05-1550	15.50	16	133	83	63	48	●
HSUSS05-1580	15.80	16	133	83	63	48	●
HSUSS05-1600	16.00	16	133	83	63	48	●
HSUSS05-1650	16.50	18	143	93	71	48	●
HSUSS05-1675	16.75	18	143	93	71	48	●
HSUSS05-1680	16.80	18	143	93	71	48	●

Note: For the cutting edge diameter(D) <10, the MOQ is 5pcs, and for others, the MOQ is 3pcs.

Carbide Drill Tip For Stainless Steel 5XD (Internal Cooling)

■ Usage characteristics

Used for: stainless steel, titanium alloy, iron based heat resistant alloy, nickel chromium, nickel molybdenum, nickel cobalt alloy, cobalt chromium alloy and other difficult materials processing, centering ability, stable cutting edge shape special groove treatment, suitable for high-speed large feed cutting.



■ Manufacturing characteristics

- Edge tolerance: m7
- Chip breaker: special design, easy to remove chips
- Transverse edge manufacturing: transverse edge correction, halnn standard
- Handle form: DIN6535HA h6
- Coating: He/NaNo

Item Code	D	d	L	L3	L4 max	LS	Stock
HSUSS05-1700	17.00	18	143	93	71	48	●
HSUSS05-1750	17.50	18	143	93	71	48	●
HSUSS05-1780	17.80	18	143	93	71	48	●
HSUSS05-1800	18.00	18	143	93	71	48	●
HSUSS05-1850	18.50	20	153	101	77	50	●
HSUSS05-1900	19.00	20	153	101	77	50	●
HSUSS05-1950	19.50	20	153	101	77	50	●
HSUSS05-1980	19.80	20	153	101	77	50	●
HSUSS05-2000	20.00	20	153	101	77	50	●

Note:

1. Accept non-standard customization

(1) Tool diameter, groove length, total length, double blade belt, can accept non-standard customization

(2) The handle form can be customized according to DIN6535HB/HE

2. Customization case: CSUSS05-1850-1000 or CSUSS05-1850-1000HE



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