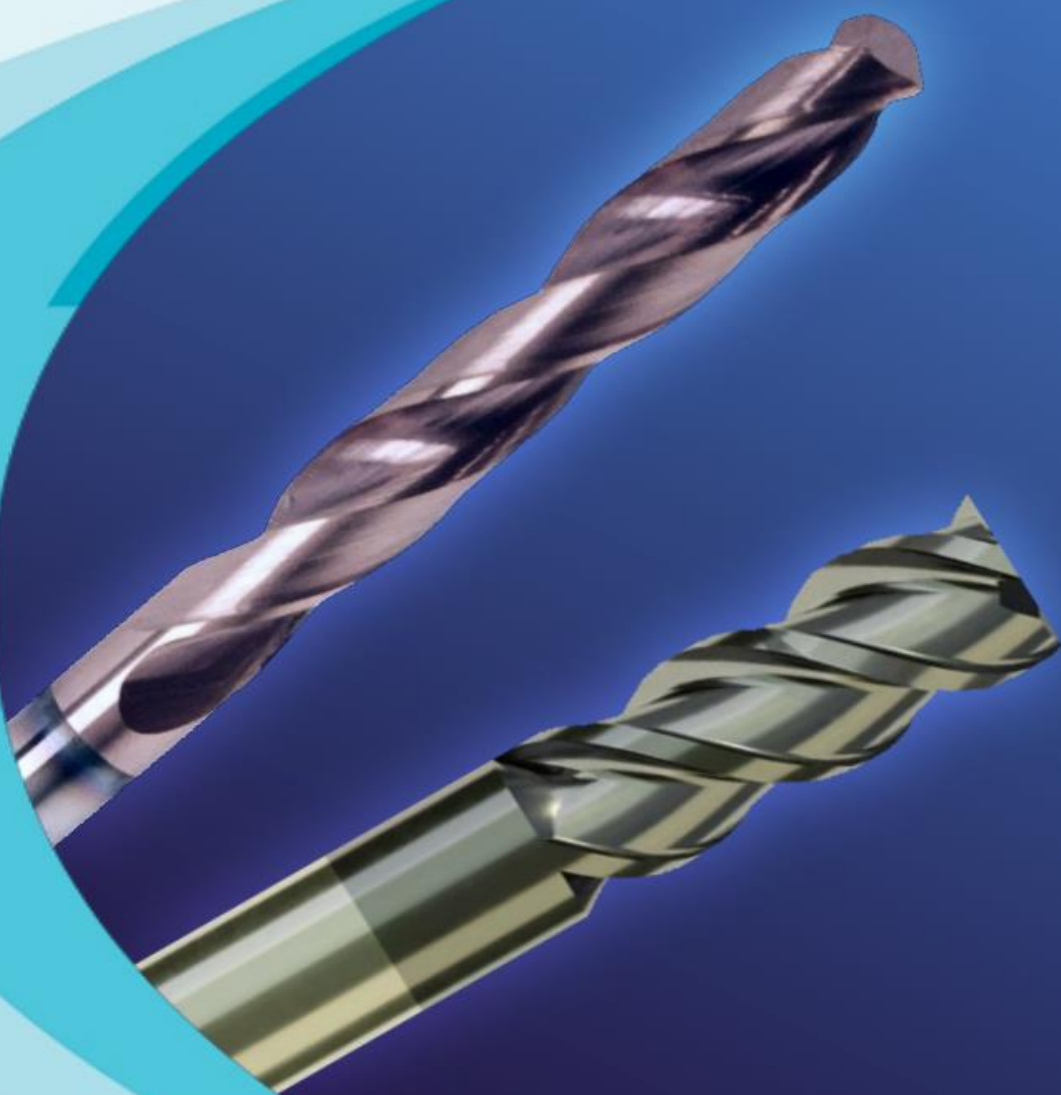


ВИННСЛА 

V I N N S L A 





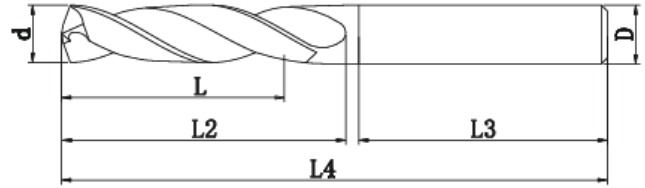
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13300300	3.0	14	20	62	36	6	13300600	6.0	20	28	66	36	6
13300310	3.1	14	20	62	36	6	13300610	6.1	24	34	79	36	8
13300320	3.2	14	20	62	36	6	13300620	6.2	24	34	79	36	8
13300330	3.3	14	20	62	36	6	13300630	6.3	24	34	79	36	8
13300340	3.4	14	20	62	36	6	13300640	6.4	24	34	79	36	8
13300350	3.5	14	20	62	36	6	13300650	6.5	24	34	79	36	8
13300360	3.6	14	20	62	36	6	13300660	6.6	24	34	79	36	8
13300370	3.7	17	24	62	36	6	13300670	6.7	24	34	79	36	8
13300380	3.8	17	24	66	36	6	13300680	6.8	24	34	79	36	8
13300390	3.9	17	24	66	36	6	13300690	6.9	29	41	79	36	8
13300400	4.0	17	24	66	36	6	13300700	7.0	29	41	79	36	8
13300410	4.1	17	24	66	36	6	13300710	7.1	29	41	79	36	8
13300420	4.2	17	24	66	36	6	13300720	7.2	29	41	79	36	8
13300430	4.3	17	24	66	36	6	13300730	7.3	29	41	79	36	8
13300440	4.4	17	24	66	36	6	13300740	7.4	29	41	79	36	8
13300450	4.5	17	24	66	36	6	13300750	7.5	29	41	79	36	8
13300460	4.6	17	24	66	36	6	13300760	7.6	29	41	79	36	8
13300470	4.7	17	24	66	36	6	13300770	7.7	29	41	79	36	8
13300480	4.8	20	28	66	36	6	13300780	7.8	29	41	79	36	8
13300490	4.9	20	28	66	36	6	13300790	7.9	29	41	79	36	8
13300500	5.0	20	28	66	36	6	13300800	8.0	29	41	79	36	8
13300510	5.1	20	28	66	36	6	13300810	8.1	35	47	89	40	10
13300520	5.2	20	28	66	36	6	13300820	8.2	35	47	89	40	10
13300530	5.3	20	28	66	36	6	13300830	8.3	35	47	89	40	10
13300540	5.4	20	28	66	36	6	13300840	8.4	35	47	89	40	10
13300550	5.5	20	28	66	36	6	13300850	8.5	35	47	89	40	10
13300560	5.6	20	28	66	36	6	13300860	8.6	35	47	89	40	10
13300570	5.7	20	28	66	36	6	13300870	8.7	35	47	89	40	10
13300580	5.8	20	28	66	36	6	13300880	8.8	35	47	89	40	10
13300590	5.9	20	28	66	36	6	13300890	8.9	35	47	89	40	10



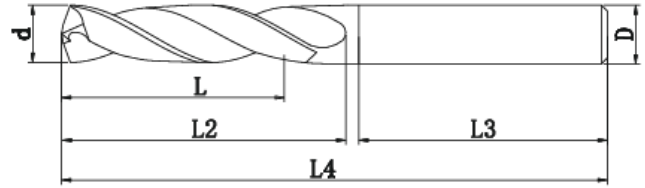
SHANK DIA.
TOLERANCE



POINT ANGLE



3D



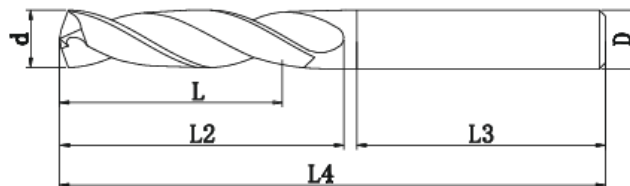
Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13300900	9.0	35	47	89	40	10	13301200	12.0	40	55	102	45	12
13300910	9.1	35	47	89	40	10	13301210	12.1	43	60	107	45	14
13300920	9.2	35	47	89	40	10	13301220	12.2	43	60	107	45	14
13300930	9.3	35	47	89	40	10	13301230	12.3	43	60	107	45	14
13300940	9.4	35	47	89	40	10	13301240	12.4	43	60	107	45	14
13300950	9.5	35	47	89	40	10	13301250	12.5	43	60	107	45	14
13300960	9.6	35	47	89	40	10	13301260	12.6	43	60	107	45	14
13300970	9.7	35	47	89	40	10	13301270	12.7	43	60	107	45	14
13300980	9.8	35	47	89	40	10	13301280	12.8	43	60	107	45	14
13300990	9.9	35	47	89	40	10	13301290	12.9	43	60	107	45	14
13301000	10.0	35	47	89	40	10	13301300	13.0	43	60	107	45	14
13301010	10.1	40	55	102	45	12	13301310	13.1	43	60	107	45	14
13301020	10.2	40	55	102	45	12	13301320	13.2	43	60	107	45	14
13301030	10.3	40	55	102	45	12	13301330	13.3	43	60	107	45	14
13301040	10.4	40	55	102	45	12	13301340	13.4	43	60	107	45	14
13301050	10.5	40	55	102	45	12	13301350	13.5	43	60	107	45	14
13301060	10.6	40	55	102	45	12	13301360	13.6	43	60	107	45	14
13301070	10.7	40	55	102	45	12	13301370	13.7	43	60	107	45	14
13301080	10.8	40	55	102	45	12	13301380	13.8	43	60	107	45	14
13301090	10.9	40	55	102	45	12	13301390	13.9	43	60	107	45	14
13301100	11.0	40	55	102	45	12	13301400	14.0	43	60	107	45	14
13301110	11.1	40	55	102	45	12	13301410	14.1	45	65	115	48	16
13301120	11.2	40	55	102	45	12	13301420	14.2	45	65	115	48	16
13301130	11.3	40	55	102	45	12	13301430	14.3	45	65	115	48	16
13301140	11.4	40	55	102	45	12	13301440	14.4	45	65	115	48	16
13301150	11.5	40	55	102	45	12	13301450	14.5	45	65	115	48	16
13301160	11.6	40	55	102	45	12	13301460	14.6	45	65	115	48	16
13301170	11.7	40	55	102	45	12	13301470	14.7	45	65	115	48	16
13301180	11.8	40	55	102	45	12	13301480	14.8	45	65	115	48	16
13301190	11.9	40	55	102	45	12	13301490	14.9	45	65	115	48	16



CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13301500	15.0	45	65	115	48	16	13301800	18.0	51	73	123	48	18
13301510	15.1	45	65	115	48	16	13301810	18.1	55	79	131	50	20
13301520	15.2	45	65	115	48	16	13301820	18.2	55	79	131	50	20
13301530	15.3	45	65	115	48	16	13301830	18.3	55	79	131	50	20
13301540	15.4	45	65	115	48	16	13301840	18.4	55	79	131	50	20
13301550	15.5	45	65	115	48	16	13301850	18.5	55	79	131	50	20
13301560	15.6	45	65	115	48	16	13301860	18.6	55	79	131	50	20
13301570	15.7	45	65	115	48	16	13301870	18.7	55	79	131	50	20
13301580	15.8	45	65	115	48	16	13301880	18.8	55	79	131	50	20
13301590	15.9	45	65	115	48	16	13301890	18.9	55	79	131	50	20
13301600	16.0	45	65	115	48	16	13301900	19.0	55	79	131	50	20
13301610	16.1	51	73	123	48	18	13301910	19.1	55	79	131	50	20
13301620	16.2	51	73	123	48	18	13301920	19.2	55	79	131	50	20
13301630	16.3	51	73	123	48	18	13301930	19.3	55	79	131	50	20
13301640	16.4	51	73	123	48	18	13301940	19.4	55	79	131	50	20
13301650	16.5	51	73	123	48	18	13301950	19.5	55	79	131	50	20
13301660	16.6	51	73	123	48	18	13301960	19.6	55	79	131	50	20
13301670	16.7	51	73	123	48	18	13301970	19.7	55	79	131	50	20
13301680	16.8	51	73	123	48	18	13301980	19.8	55	79	131	50	20
13301690	16.9	51	73	123	48	18	13301990	19.9	55	79	131	50	20
13301700	17.0	51	73	123	48	18	13302000	20.0	55	79	131	50	20
13301710	17.1	51	73	123	48	18	13302010	20.1	76	96	146	50	25
13301720	17.2	51	73	123	48	18	13302020	20.2	76	96	146	50	25
13301730	17.3	51	73	123	48	18	13302030	20.3	76	96	146	50	25
13301740	17.4	51	73	123	48	18	13302040	20.4	76	96	146	50	25
13301750	17.5	51	73	123	48	18	13302050	20.5	76	96	146	50	25
13301760	17.6	51	73	123	48	18	13302060	20.6	76	96	146	50	25
13301770	17.7	51	73	123	48	18	13302070	20.7	76	96	146	50	25
13301780	17.8	51	73	123	48	18	13302080	20.8	76	96	146	50	25
13301790	17.9	51	73	123	48	18	13302090	20.9	76	96	146	50	25



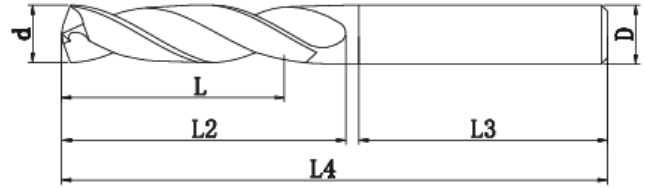
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13302100	21.0	76	96	146	50	25	13302400	24.0	83	103	153	50	25
13302110	21.1	76	96	146	50	25	13302410	24.1	83	103	153	50	25
13302120	21.2	76	96	146	50	25	13302420	24.2	83	103	153	50	25
13302130	21.3	76	96	146	50	25	13302430	24.3	83	103	153	50	25
13302140	21.4	76	96	146	50	25	13302440	24.4	83	103	153	50	25
13302150	21.5	76	96	146	50	25	13302450	24.5	83	103	153	50	25
13302160	21.6	76	96	146	50	25	13302460	24.6	83	103	153	50	25
13302170	21.7	76	96	146	50	25	13302470	24.7	83	103	153	50	25
13302180	21.8	76	96	146	50	25	13302480	24.8	83	103	153	50	25
13302190	21.9	76	96	146	50	25	13302490	24.9	83	103	153	50	25
13302200	22.0	76	96	146	50	25	13302500	25.0	83	103	153	50	25
13302210	22.1	83	103	153	50	25							
13302220	22.2	83	103	153	50	25							
13302230	22.3	83	103	153	50	25							
13302240	22.4	83	103	153	50	25							
13302250	22.5	83	103	153	50	25							
13302260	22.6	83	103	153	50	25							
13302270	22.7	83	103	153	50	25							
13302280	22.8	83	103	153	50	25							
13302290	22.9	83	103	153	50	25							
13302300	23.0	83	103	153	50	25							
13302310	23.1	83	103	153	50	25							
13302320	23.2	83	103	153	50	25							
13302330	23.3	83	103	153	50	25							
13302340	23.4	83	103	153	50	25							
13302350	23.5	83	103	153	50	25							
13302360	23.6	83	103	153	50	25							
13302370	23.7	83	103	153	50	25							
13302380	23.8	83	103	153	50	25							
13302390	23.9	83	103	153	50	25							



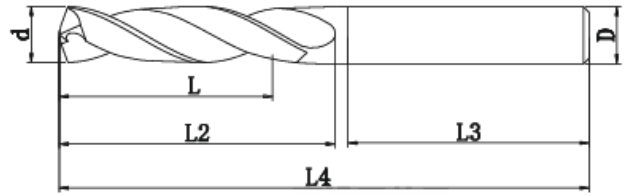
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L2	L4	D
13500010	0.1	4	38	3
13500020	0.2	4	38	3
13500030	0.3	4	38	3
13500040	0.4	4	38	3
13500050	0.5	5	38	3
13500060	0.6	5	38	3
13500070	0.7	5	38	3
13500080	0.8	5	38	3
13500090	0.9	5	38	3
13500100	1.0	6	38	3
13500110	1.1	6	38	3
13500120	1.2	6	38	3
13500130	1.3	8	38	3
13500140	1.4	8	38	3
13500150	1.5	8	38	3
13500160	1.6	8	38	3
13500170	1.7	8	38	3
13500180	1.8	8	38	3
13500190	1.9	8	38	3
13500200	2.0	8	38	3
13500210	2.1	10	38	3
13500220	2.2	10	38	3
13500230	2.3	10	38	3
13500240	2.4	10	38	3
13500250	2.5	10	38	3
13500260	2.6	10	38	3
13500270	2.7	10	38	3
13500280	2.8	10	38	3
13500290	2.9	10	38	3



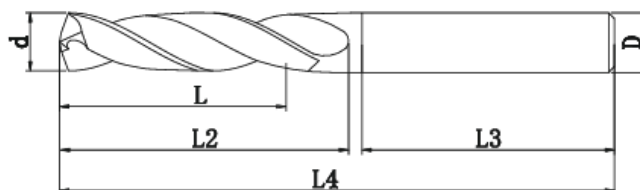
TOOL MATERIAL

SHANK DIA.
TOLERANCE

POINT ANGLE



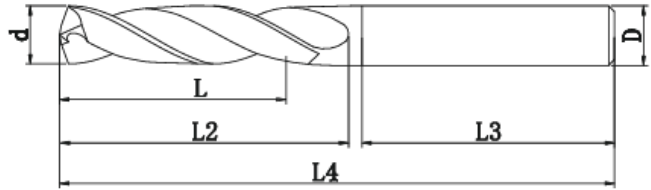
5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13500300	3.0	23	28	66	36	6	13500600	6.0	35	44	82	36	6
13500310	3.1	23	28	66	36	6	13500610	6.1	43	53	91	36	8
13500320	3.2	23	28	66	36	6	13500620	6.2	43	53	91	36	8
13500330	3.3	23	28	66	36	6	13500630	6.3	43	53	91	36	8
13500340	3.4	23	28	66	36	6	13500640	6.4	43	53	91	36	8
13500350	3.5	23	28	66	36	6	13500650	6.5	43	53	91	36	8
13500360	3.6	23	28	66	36	6	13500660	6.6	43	53	91	36	8
13500370	3.7	23	28	66	36	6	13500670	6.7	43	53	91	36	8
13500380	3.8	29	36	74	36	6	13500680	6.8	43	53	91	36	8
13500390	3.9	29	36	74	36	6	13500690	6.9	43	53	91	36	8
13500400	4.0	29	36	74	36	6	13500700	7.0	43	53	91	36	8
13500410	4.1	29	36	74	36	6	13500710	7.1	43	53	91	36	8
13500420	4.2	29	36	74	36	6	13500720	7.2	43	53	91	36	8
13500430	4.3	29	36	74	36	6	13500730	7.3	43	53	91	36	8
13500440	4.4	29	36	74	36	6	13500740	7.4	43	53	91	36	8
13500450	4.5	29	36	74	36	6	13500750	7.5	43	53	91	36	8
13500460	4.6	29	36	74	36	6	13500760	7.6	43	53	91	36	8
13500470	4.7	29	36	74	36	6	13500770	7.7	43	53	91	36	8
13500480	4.8	35	44	82	36	6	13500780	7.8	43	53	91	36	8
13500490	4.9	35	44	82	36	6	13500790	7.9	43	53	91	36	8
13500500	5.0	35	44	82	36	6	13500800	8.0	43	53	91	36	8
13500510	5.1	35	44	82	36	6	13500810	8.1	49	61	103	40	10
13500520	5.2	35	44	82	36	6	13500820	8.2	49	61	103	40	10
13500530	5.3	35	44	82	36	6	13500830	8.3	49	61	103	40	10
13500540	5.4	35	44	82	36	6	13500840	8.4	49	61	103	40	10
13500550	5.5	35	44	82	36	6	13500850	8.5	49	61	103	40	10
13500560	5.6	35	44	82	36	6	13500860	8.6	49	61	103	40	10
13500570	5.7	35	44	82	36	6	13500870	8.7	49	61	103	40	10
13500580	5.8	35	44	82	36	6	13500880	8.8	49	61	103	40	10
13500590	5.9	35	44	82	36	6	13500890	8.9	49	61	103	40	10



5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13500900	9.0	49	61	103	40	10	13501200	12.0	56	71	118	45	12
13500910	9.1	49	61	103	40	10	13501210	12.1	60	77	124	45	14
13500920	9.2	49	61	103	40	10	13501220	12.2	60	77	124	45	14
13500930	9.3	49	61	103	40	10	13501230	12.3	60	77	124	45	14
13500940	9.4	49	61	103	40	10	13501240	12.4	60	77	124	45	14
13500950	9.5	49	61	103	40	10	13501250	12.5	60	77	124	45	14
13500960	9.6	49	61	103	40	10	13501260	12.6	60	77	124	45	14
13500970	9.7	49	61	103	40	10	13501270	12.7	60	77	124	45	14
13500980	9.8	49	61	103	40	10	13501280	12.8	60	77	124	45	14
13500990	9.9	49	61	103	40	10	13501290	12.9	60	77	124	45	14
13501000	10.0	49	61	103	40	10	13501300	13.0	60	77	124	45	14
13501010	10.1	56	71	118	45	12	13501310	13.1	60	77	124	45	14
13501020	10.2	56	71	118	45	12	13501320	13.2	60	77	124	45	14
13501030	10.3	56	71	118	45	12	13501330	13.3	60	77	124	45	14
13501040	10.4	56	71	118	45	12	13501340	13.4	60	77	124	45	14
13501050	10.5	56	71	118	45	12	13501350	13.5	60	77	124	45	14
13501060	10.6	56	71	118	45	12	13501360	13.6	60	77	124	45	14
13501070	10.7	56	71	118	45	12	13501370	13.7	60	77	124	45	14
13501080	10.8	56	71	118	45	12	13501380	13.8	60	77	124	45	14
13501090	10.9	56	71	118	45	12	13501390	13.9	60	77	124	45	14
13501100	11.0	56	71	118	45	12	13501400	14.0	60	77	124	45	14
13501110	11.1	56	71	118	45	12	13501410	14.1	63	83	133	48	16
13501120	11.2	56	71	118	45	12	13501420	14.2	63	83	133	48	16
13501130	11.3	56	71	118	45	12	13501430	14.3	63	83	133	48	16
13501140	11.4	56	71	118	45	12	13501440	14.4	63	83	133	48	16
13501150	11.5	56	71	118	45	12	13501450	14.5	63	83	133	48	16
13501160	11.6	56	71	118	45	12	13501460	14.6	63	83	133	48	16
13501170	11.7	56	71	118	45	12	13501470	14.7	63	83	133	48	16
13501180	11.8	56	71	118	45	12	13501480	14.8	63	83	133	48	16
13501190	11.9	56	71	118	45	12	13501490	14.9	63	83	133	48	16



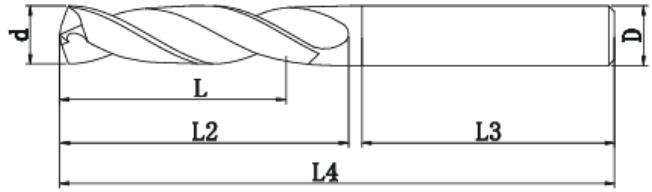
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13501500	15.0	63	83	133	48	16	13501800	18.0	71	93	143	48	18
13501510	15.1	63	83	133	48	16	13501810	18.1	77	101	153	50	20
13501520	15.2	63	83	133	48	16	13501820	18.2	77	101	153	50	20
13501530	15.3	63	83	133	48	16	13501830	18.3	77	101	153	50	20
13501540	15.4	63	83	133	48	16	13501840	18.4	77	101	153	50	20
13501550	15.5	63	83	133	48	16	13501850	18.5	77	101	153	50	20
13501560	15.6	63	83	133	48	16	13501860	18.6	77	101	153	50	20
13501570	15.7	63	83	133	48	16	13501870	18.7	77	101	153	50	20
13501580	15.8	63	83	133	48	16	13501880	18.8	77	101	153	50	20
13501590	15.9	63	83	133	48	16	13501890	18.9	77	101	153	50	20
13501600	16.0	63	83	133	48	16	13501900	19.0	77	101	153	50	20
13501610	16.1	71	93	143	48	18	13501910	19.1	77	101	153	50	20
13501620	16.2	71	93	143	48	18	13501920	19.2	77	101	153	50	20
13501630	16.3	71	93	143	48	18	13501930	19.3	77	101	153	50	20
13501640	16.4	71	93	143	48	18	13501940	19.4	77	101	153	50	20
13501650	16.5	71	93	143	48	18	13501950	19.5	77	101	153	50	20
13501660	16.6	71	93	143	48	18	13501960	19.6	77	101	153	50	20
13501670	16.7	71	93	143	48	18	13501970	19.7	77	101	153	50	20
13501680	16.8	71	93	143	48	18	13501980	19.8	77	101	153	50	20
13501690	16.9	71	93	143	48	18	13501990	19.9	77	101	153	50	20
13501700	17.0	71	93	143	48	18	13502000	20.0	77	101	153	50	20
13501710	17.1	71	93	143	48	18	13502010	20.1	88	108	166	55	25
13501720	17.2	71	93	143	48	18	13502020	20.2	88	108	166	55	25
13501730	17.3	71	93	143	48	18	13502030	20.3	88	108	166	55	25
13501740	17.4	71	93	143	48	18	13502040	20.4	88	108	166	55	25
13501750	17.5	71	93	143	48	18	13502050	20.5	88	108	166	55	25
13501760	17.6	71	93	143	48	18	13502060	20.6	88	108	166	55	25
13501770	17.7	71	93	143	48	18	13502070	20.7	88	108	166	55	25
13501780	17.8	71	93	143	48	18	13502080	20.8	88	108	166	55	25
13501790	17.9	71	93	143	48	18	13502090	20.9	88	108	166	55	25



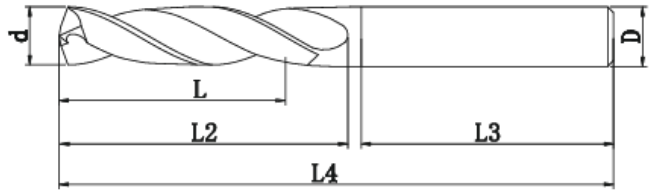
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



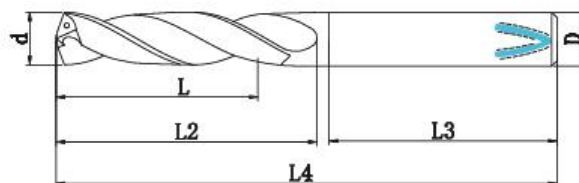
5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13502100	21.0	88	108	166	55	25	13502400	24.0	95	115	173	55	25
13502110	21.1	88	108	166	55	25	13502410	24.1	100	122	180	55	25
13502120	21.2	88	108	166	55	25	13502420	24.2	100	122	180	55	25
13502130	21.3	88	108	166	55	25	13502430	24.3	100	122	180	55	25
13502140	21.4	88	108	166	55	25	13502440	24.4	100	122	180	55	25
13502150	21.5	88	108	166	55	25	13502450	24.5	100	122	180	55	25
13502160	21.6	88	108	166	55	25	13502460	24.6	100	122	180	55	25
13502170	21.7	88	108	166	55	25	13502470	24.7	100	122	180	55	25
13502180	21.8	88	108	166	55	25	13502480	24.8	100	122	180	55	25
13502190	21.9	88	108	166	55	25	13502490	24.9	100	122	180	55	25
13502200	22.0	88	108	166	55	25	13502500	25.0	100	122	180	55	25
13502210	22.1	95	115	173	55	25							
13502220	22.2	95	115	173	55	25							
13502230	22.3	95	115	173	55	25							
13502240	22.4	95	115	173	55	25							
13502250	22.5	95	115	173	55	25							
13502260	22.6	95	115	173	55	25							
13502270	22.7	95	115	173	55	25							
13502280	22.8	95	115	173	55	25							
13502290	22.9	95	115	173	55	25							
13502300	23.0	95	115	173	55	25							
13502310	23.1	95	115	173	55	25							
13502320	23.2	95	115	173	55	25							
13502330	23.3	95	115	173	55	25							
13502340	23.4	95	115	173	55	25							
13502350	23.5	95	115	173	55	25							
13502360	23.6	95	115	173	55	25							
13502370	23.7	95	115	173	55	25							
13502380	23.8	95	115	173	55	25							
13502390	23.9	95	115	173	55	25							



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13310300	3.0	14	20	62	36	6	13310600	6.0	20	28	66	36	6
13310310	3.1	14	20	62	36	6	13310610	6.1	24	34	79	36	8
13310320	3.2	14	20	62	36	6	13310620	6.2	24	34	79	36	8
13310330	3.3	14	20	62	36	6	13310630	6.3	24	34	79	36	8
13310340	3.4	14	20	62	36	6	13310640	6.4	24	34	79	36	8
13310350	3.5	14	20	62	36	6	13310650	6.5	24	34	79	36	8
13310360	3.6	14	20	62	36	6	13310660	6.6	24	34	79	36	8
13310370	3.7	17	24	62	36	6	13310670	6.7	24	34	79	36	8
13310380	3.8	17	24	66	36	6	13310680	6.8	24	34	79	36	8
13310390	3.9	17	24	66	36	6	13310690	6.9	29	41	79	36	8
13310400	4.0	17	24	66	36	6	13310700	7.0	29	41	79	36	8
13310410	4.1	17	24	66	36	6	13310710	7.1	29	41	79	36	8
13310420	4.2	17	24	66	36	6	13310720	7.2	29	41	79	36	8
13310430	4.3	17	24	66	36	6	13310730	7.3	29	41	79	36	8
13310440	4.4	17	24	66	36	6	13310740	7.4	29	41	79	36	8
13310450	4.5	17	24	66	36	6	13310750	7.5	29	41	79	36	8
13310460	4.6	17	24	66	36	6	13310760	7.6	29	41	79	36	8
13310470	4.7	17	24	66	36	6	13310770	7.7	29	41	79	36	8
13310480	4.8	20	28	66	36	6	13310780	7.8	29	41	79	36	8
13310490	4.9	20	28	66	36	6	13310790	7.9	29	41	79	36	8
13310500	5.0	20	28	66	36	6	13310800	8.0	29	41	79	36	8
13310510	5.1	20	28	66	36	6	13310810	8.1	35	47	89	40	10
13310520	5.2	20	28	66	36	6	13310820	8.2	35	47	89	40	10
13310530	5.3	20	28	66	36	6	13310830	8.3	35	47	89	40	10
13310540	5.4	20	28	66	36	6	13310840	8.4	35	47	89	40	10
13310550	5.5	20	28	66	36	6	13310850	8.5	35	47	89	40	10
13310560	5.6	20	28	66	36	6	13310860	8.6	35	47	89	40	10
13310570	5.7	20	28	66	36	6	13310870	8.7	35	47	89	40	10
13310580	5.8	20	28	66	36	6	13310880	8.8	35	47	89	40	10
13310590	5.9	20	28	66	36	6	13310890	8.9	35	47	89	40	10



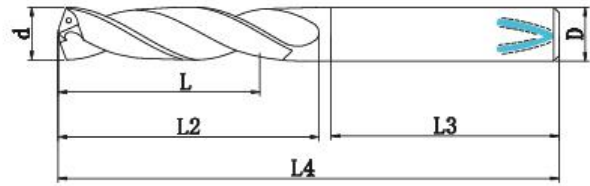
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13310900	9.0	35	47	89	40	10	13311200	12.0	40	55	102	45	12
13310910	9.1	35	47	89	40	10	13311210	12.1	43	60	107	45	14
13310920	9.2	35	47	89	40	10	13311220	12.2	43	60	107	45	14
13310930	9.3	35	47	89	40	10	13311230	12.3	43	60	107	45	14
13310940	9.4	35	47	89	40	10	13311240	12.4	43	60	107	45	14
13310950	9.5	35	47	89	40	10	13311250	12.5	43	60	107	45	14
13310960	9.6	35	47	89	40	10	13311260	12.6	43	60	107	45	14
13310970	9.7	35	47	89	40	10	13311270	12.7	43	60	107	45	14
13310980	9.8	35	47	89	40	10	13311280	12.8	43	60	107	45	14
13310990	9.9	35	47	89	40	10	13311290	12.9	43	60	107	45	14
13311000	10.0	35	47	89	40	10	13311300	13.0	43	60	107	45	14
13311010	10.1	40	55	102	45	12	13311310	13.1	43	60	107	45	14
13311020	10.2	40	55	102	45	12	13311320	13.2	43	60	107	45	14
13311030	10.3	40	55	102	45	12	13311330	13.3	43	60	107	45	14
13311040	10.4	40	55	102	45	12	13311340	13.4	43	60	107	45	14
13311050	10.5	40	55	102	45	12	13311350	13.5	43	60	107	45	14
13311060	10.6	40	55	102	45	12	13311360	13.6	43	60	107	45	14
13311070	10.7	40	55	102	45	12	13311370	13.7	43	60	107	45	14
13311080	10.8	40	55	102	45	12	13311380	13.8	43	60	107	45	14
13311090	10.9	40	55	102	45	12	13311390	13.9	43	60	107	45	14
13311100	11.0	40	55	102	45	12	13311400	14.0	43	60	107	45	14
13311110	11.1	40	55	102	45	12	13311410	14.1	45	65	115	48	16
13311120	11.2	40	55	102	45	12	13311420	14.2	45	65	115	48	16
13311130	11.3	40	55	102	45	12	13311430	14.3	45	65	115	48	16
13311140	11.4	40	55	102	45	12	13311440	14.4	45	65	115	48	16
13311150	11.5	40	55	102	45	12	13311450	14.5	45	65	115	48	16
13311160	11.6	40	55	102	45	12	13311460	14.6	45	65	115	48	16
13311170	11.7	40	55	102	45	12	13311470	14.7	45	65	115	48	16
13311180	11.8	40	55	102	45	12	13311480	14.8	45	65	115	48	16
13311190	11.9	40	55	102	45	12	13311490	14.9	45	65	115	48	16



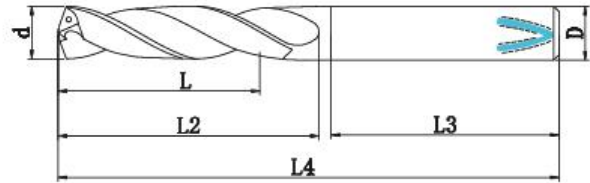
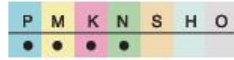
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13311500	15.0	45	65	115	48	16	13311800	18.0	51	73	123	48	18
13311510	15.1	45	65	115	48	16	13311810	18.1	55	79	131	50	20
13311520	15.2	45	65	115	48	16	13311820	18.2	55	79	131	50	20
13311530	15.3	45	65	115	48	16	13311830	18.3	55	79	131	50	20
13311540	15.4	45	65	115	48	16	13311840	18.4	55	79	131	50	20
13311550	15.5	45	65	115	48	16	13311850	18.5	55	79	131	50	20
13311560	15.6	45	65	115	48	16	13311860	18.6	55	79	131	50	20
13311570	15.7	45	65	115	48	16	13311870	18.7	55	79	131	50	20
13311580	15.8	45	65	115	48	16	13311880	18.8	55	79	131	50	20
13311590	15.9	45	65	115	48	16	13311890	18.9	55	79	131	50	20
13311600	16.0	45	65	115	48	16	13311900	19.0	55	79	131	50	20
13311610	16.1	51	73	123	48	18	13311910	19.1	55	79	131	50	20
13311620	16.2	51	73	123	48	18	13311920	19.2	55	79	131	50	20
13311630	16.3	51	73	123	48	18	13311930	19.3	55	79	131	50	20
13311640	16.4	51	73	123	48	18	13311940	19.4	55	79	131	50	20
13311650	16.5	51	73	123	48	18	13311950	19.5	55	79	131	50	20
13311660	16.6	51	73	123	48	18	13311960	19.6	55	79	131	50	20
13311670	16.7	51	73	123	48	18	13311970	19.7	55	79	131	50	20
13311680	16.8	51	73	123	48	18	13311980	19.8	55	79	131	50	20
13311690	16.9	51	73	123	48	18	13311990	19.9	55	79	131	50	20
13311700	17.0	51	73	123	48	18	13312000	20.0	55	79	131	50	20
13311710	17.1	51	73	123	48	18	13312010	20.1	76	96	146	50	25
13311720	17.2	51	73	123	48	18	13312020	20.2	76	96	146	50	25
13311730	17.3	51	73	123	48	18	13312030	20.3	76	96	146	50	25
13311740	17.4	51	73	123	48	18	13312040	20.4	76	96	146	50	25
13311750	17.5	51	73	123	48	18	13312050	20.5	76	96	146	50	25
13311760	17.6	51	73	123	48	18	13312060	20.6	76	96	146	50	25
13311770	17.7	51	73	123	48	18	13312070	20.7	76	96	146	50	25
13311780	17.8	51	73	123	48	18	13312080	20.8	76	96	146	50	25
13311790	17.9	51	73	123	48	18	13312090	20.9	76	96	146	50	25



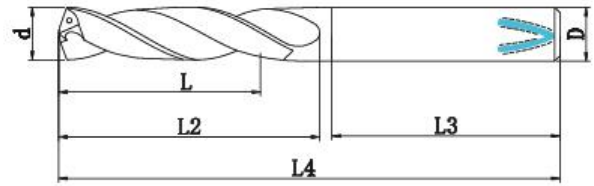
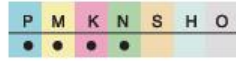
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



3D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13312100	21.0	76	96	146	50	25	13312400	24.0	83	103	153	50	25
13312110	21.1	76	96	146	50	25	13312410	24.1	83	103	153	50	25
13312120	21.2	76	96	146	50	25	13312420	24.2	83	103	153	50	25
13312130	21.3	76	96	146	50	25	13312430	24.3	83	103	153	50	25
13312140	21.4	76	96	146	50	25	13312440	24.4	83	103	153	50	25
13312150	21.5	76	96	146	50	25	13312450	24.5	83	103	153	50	25
13312160	21.6	76	96	146	50	25	13312460	24.6	83	103	153	50	25
13312170	21.7	76	96	146	50	25	13312470	24.7	83	103	153	50	25
13312180	21.8	76	96	146	50	25	13312480	24.8	83	103	153	50	25
13312190	21.9	76	96	146	50	25	13312490	24.9	83	103	153	50	25
13312200	22.0	76	96	146	50	25	13312500	25.0	83	103	153	50	25
13312210	22.1	83	103	153	50	25							
13312220	22.2	83	103	153	50	25							
13312230	22.3	83	103	153	50	25							
13312240	22.4	83	103	153	50	25							
13312250	22.5	83	103	153	50	25							
13312260	22.6	83	103	153	50	25							
13312270	22.7	83	103	153	50	25							
13312280	22.8	83	103	153	50	25							
13312290	22.9	83	103	153	50	25							
13312300	23.0	83	103	153	50	25							
13312310	23.1	83	103	153	50	25							
13312320	23.2	83	103	153	50	25							
13312330	23.3	83	103	153	50	25							
13312340	23.4	83	103	153	50	25							
13312350	23.5	83	103	153	50	25							
13312360	23.6	83	103	153	50	25							
13312370	23.7	83	103	153	50	25							
13312380	23.8	83	103	153	50	25							
13312390	23.9	83	103	153	50	25							



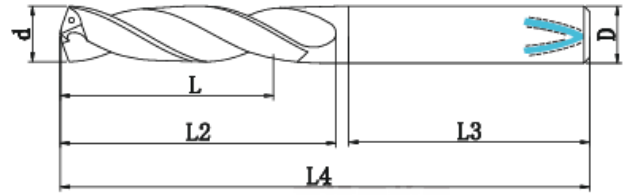
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L2	L4	D
13510060	0.6	5	38	3
13510070	0.7	5	38	3
13510080	0.8	5	38	3
13510090	0.9	5	38	3
13510100	1.0	6	38	3
13510110	1.1	6	38	3
13510120	1.2	6	38	3
13510130	1.3	8	38	3
13510140	1.4	8	38	3
13510150	1.5	8	38	3
13510160	1.6	8	38	3
13510170	1.7	8	38	3
13510180	1.8	8	38	3
13510190	1.9	8	38	3
13510200	2.0	8	38	3
13510210	2.1	10	38	3
13510220	2.2	10	38	3
13510230	2.3	10	38	3
13510240	2.4	10	38	3
13510250	2.5	10	38	3
13510260	2.6	10	38	3
13510270	2.7	10	38	3
13510280	2.8	10	38	3
13510290	2.9	10	38	3



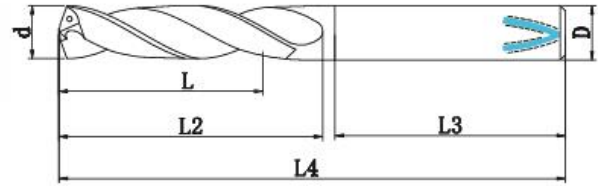
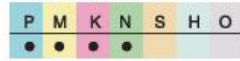
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13510300	3.0	23	28	66	36	6	13510600	6.0	35	44	82	36	6
13510310	3.1	23	28	66	36	6	13510610	6.1	43	53	91	36	8
13510320	3.2	23	28	66	36	6	13510620	6.2	43	53	91	36	8
13510330	3.3	23	28	66	36	6	13510630	6.3	43	53	91	36	8
13510340	3.4	23	28	66	36	6	13510640	6.4	43	53	91	36	8
13510350	3.5	23	28	66	36	6	13510650	6.5	43	53	91	36	8
13510360	3.6	23	28	66	36	6	13510660	6.6	43	53	91	36	8
13510370	3.7	23	28	66	36	6	13510670	6.7	43	53	91	36	8
13510380	3.8	29	36	74	36	6	13510680	6.8	43	53	91	36	8
13510390	3.9	29	36	74	36	6	13510690	6.9	43	53	91	36	8
13510400	4.0	29	36	74	36	6	13510700	7.0	43	53	91	36	8
13510410	4.1	29	36	74	36	6	13510710	7.1	43	53	91	36	8
13510420	4.2	29	36	74	36	6	13510720	7.2	43	53	91	36	8
13510430	4.3	29	36	74	36	6	13510730	7.3	43	53	91	36	8
13510440	4.4	29	36	74	36	6	13510740	7.4	43	53	91	36	8
13510450	4.5	29	36	74	36	6	13510750	7.5	43	53	91	36	8
13510460	4.6	29	36	74	36	6	13510760	7.6	43	53	91	36	8
13510470	4.7	29	36	74	36	6	13510770	7.7	43	53	91	36	8
13510480	4.8	35	44	82	36	6	13510780	7.8	43	53	91	36	8
13510490	4.9	35	44	82	36	6	13510790	7.9	43	53	91	36	8
13510500	5.0	35	44	82	36	6	13510800	8.0	43	53	91	36	8
13510510	5.1	35	44	82	36	6	13510810	8.1	49	61	103	40	10
13510520	5.2	35	44	82	36	6	13510820	8.2	49	61	103	40	10
13510530	5.3	35	44	82	36	6	13510830	8.3	49	61	103	40	10
13510540	5.4	35	44	82	36	6	13510840	8.4	49	61	103	40	10
13510550	5.5	35	44	82	36	6	13510850	8.5	49	61	103	40	10
13510560	5.6	35	44	82	36	6	13510860	8.6	49	61	103	40	10
13510570	5.7	35	44	82	36	6	13510870	8.7	49	61	103	40	10
13510580	5.8	35	44	82	36	6	13510880	8.8	49	61	103	40	10
13510590	5.9	35	44	82	36	6	13510890	8.9	49	61	103	40	10



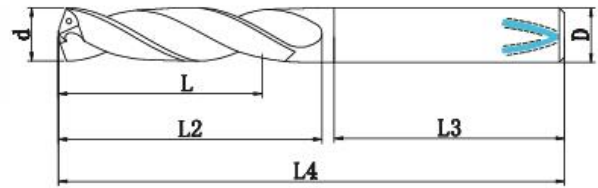
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13510900	9.0	49	61	103	40	10	13511200	12.0	56	71	118	45	12
13510910	9.1	49	61	103	40	10	13511210	12.1	60	77	124	45	14
13510920	9.2	49	61	103	40	10	13511220	12.2	60	77	124	45	14
13510930	9.3	49	61	103	40	10	13511230	12.3	60	77	124	45	14
13510940	9.4	49	61	103	40	10	13511240	12.4	60	77	124	45	14
13510950	9.5	49	61	103	40	10	13511250	12.5	60	77	124	45	14
13510960	9.6	49	61	103	40	10	13511260	12.6	60	77	124	45	14
13510970	9.7	49	61	103	40	10	13511270	12.7	60	77	124	45	14
13510980	9.8	49	61	103	40	10	13511280	12.8	60	77	124	45	14
13510990	9.9	49	61	103	40	10	13511290	12.9	60	77	124	45	14
13511000	10.0	49	61	103	40	10	13511300	13.0	60	77	124	45	14
13511010	10.1	56	71	118	45	12	13511310	13.1	60	77	124	45	14
13511020	10.2	56	71	118	45	12	13511320	13.2	60	77	124	45	14
13511030	10.3	56	71	118	45	12	13511330	13.3	60	77	124	45	14
13511040	10.4	56	71	118	45	12	13511340	13.4	60	77	124	45	14
13511050	10.5	56	71	118	45	12	13511350	13.5	60	77	124	45	14
13511060	10.6	56	71	118	45	12	13511360	13.6	60	77	124	45	14
13511070	10.7	56	71	118	45	12	13511370	13.7	60	77	124	45	14
13511080	10.8	56	71	118	45	12	13511380	13.8	60	77	124	45	14
13511090	10.9	56	71	118	45	12	13511390	13.9	60	77	124	45	14
13511100	11.0	56	71	118	45	12	13511400	14.0	60	77	124	45	14
13511110	11.1	56	71	118	45	12	13511410	14.1	63	83	133	48	16
13511120	11.2	56	71	118	45	12	13511420	14.2	63	83	133	48	16
13511130	11.3	56	71	118	45	12	13511430	14.3	63	83	133	48	16
13511140	11.4	56	71	118	45	12	13511440	14.4	63	83	133	48	16
13511150	11.5	56	71	118	45	12	13511450	14.5	63	83	133	48	16
13511160	11.6	56	71	118	45	12	13511460	14.6	63	83	133	48	16
13511170	11.7	56	71	118	45	12	13511470	14.7	63	83	133	48	16
13511180	11.8	56	71	118	45	12	13511480	14.8	63	83	133	48	16
13511190	11.9	56	71	118	45	12	13511490	14.9	63	83	133	48	16



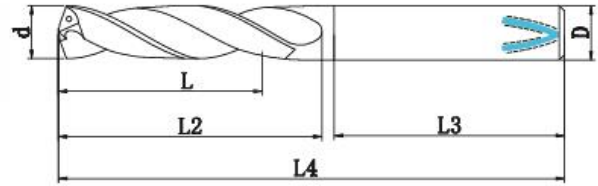
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13511500	15.0	63	83	133	48	16	13511800	18.0	71	93	143	48	18
13511510	15.1	63	83	133	48	16	13511810	18.1	77	101	153	50	20
13511520	15.2	63	83	133	48	16	13511820	18.2	77	101	153	50	20
13511530	15.3	63	83	133	48	16	13511830	18.3	77	101	153	50	20
13511540	15.4	63	83	133	48	16	13511840	18.4	77	101	153	50	20
13511550	15.5	63	83	133	48	16	13511850	18.5	77	101	153	50	20
13511560	15.6	63	83	133	48	16	13511860	18.6	77	101	153	50	20
13511570	15.7	63	83	133	48	16	13511870	18.7	77	101	153	50	20
13511580	15.8	63	83	133	48	16	13511880	18.8	77	101	153	50	20
13511590	15.9	63	83	133	48	16	13511890	18.9	77	101	153	50	20
13511600	16.0	63	83	133	48	16	13511900	19.0	77	101	153	50	20
13511610	16.1	71	93	143	48	18	13511910	19.1	77	101	153	50	20
13511620	16.2	71	93	143	48	18	13511920	19.2	77	101	153	50	20
13511630	16.3	71	93	143	48	18	13511930	19.3	77	101	153	50	20
13511640	16.4	71	93	143	48	18	13511940	19.4	77	101	153	50	20
13511650	16.5	71	93	143	48	18	13511950	19.5	77	101	153	50	20
13511660	16.6	71	93	143	48	18	13511960	19.6	77	101	153	50	20
13511670	16.7	71	93	143	48	18	13511970	19.7	77	101	153	50	20
13511680	16.8	71	93	143	48	18	13511980	19.8	77	101	153	50	20
13511690	16.9	71	93	143	48	18	13511990	19.9	77	101	153	50	20
13511700	17.0	71	93	143	48	18	13512000	20.0	77	101	153	50	20
13511710	17.1	71	93	143	48	18	13512010	20.1	88	108	166	55	25
13511720	17.2	71	93	143	48	18	13512020	20.2	88	108	166	55	25
13511730	17.3	71	93	143	48	18	13512030	20.3	88	108	166	55	25
13511740	17.4	71	93	143	48	18	13512040	20.4	88	108	166	55	25
13511750	17.5	71	93	143	48	18	13512050	20.5	88	108	166	55	25
13511760	17.6	71	93	143	48	18	13512060	20.6	88	108	166	55	25
13511770	17.7	71	93	143	48	18	13512070	20.7	88	108	166	55	25
13511780	17.8	71	93	143	48	18	13512080	20.8	88	108	166	55	25
13511790	17.9	71	93	143	48	18	13512090	20.9	88	108	166	55	25



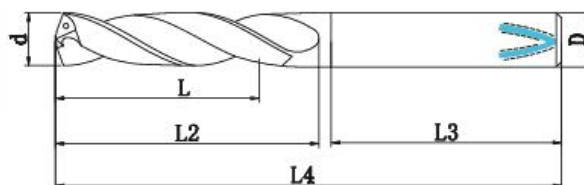
CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

140°
POINT ANGLE



5D



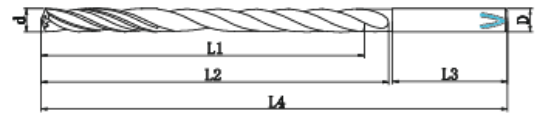
Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13512100	21.0	88	108	166	55	25	13512400	24.0	95	115	173	55	25
13512110	21.1	88	108	166	55	25	13512410	24.1	100	122	180	55	25
13512120	21.2	88	108	166	55	25	13512420	24.2	100	122	180	55	25
13512130	21.3	88	108	166	55	25	13512430	24.3	100	122	180	55	25
13512140	21.4	88	108	166	55	25	13512440	24.4	100	122	180	55	25
13512150	21.5	88	108	166	55	25	13512450	24.5	100	122	180	55	25
13512160	21.6	88	108	166	55	25	13512460	24.6	100	122	180	55	25
13512170	21.7	88	108	166	55	25	13512470	24.7	100	122	180	55	25
13512180	21.8	88	108	166	55	25	13512480	24.8	100	122	180	55	25
13512190	21.9	88	108	166	55	25	13512490	24.9	100	122	180	55	25
13512200	22.0	88	108	166	55	25	13512500	25.0	100	122	180	55	25
13512210	22.1	95	115	173	55	25							
13512220	22.2	95	115	173	55	25							
13512230	22.3	95	115	173	55	25							
13512240	22.4	95	115	173	55	25							
13512250	22.5	95	115	173	55	25							
13512260	22.6	95	115	173	55	25							
13512270	22.7	95	115	173	55	25							
13512280	22.8	95	115	173	55	25							
13512290	22.9	95	115	173	55	25							
13512300	23.0	95	115	173	55	25							
13512310	23.1	95	115	173	55	25							
13512320	23.2	95	115	173	55	25							
13512330	23.3	95	115	173	55	25							
13512340	23.4	95	115	173	55	25							
13512350	23.5	95	115	173	55	25							
13512360	23.6	95	115	173	55	25							
13512370	23.7	95	115	173	55	25							
13512380	23.8	95	115	173	55	25							
13512390	23.9	95	115	173	55	25							



CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

135°
POINT ANGLE



8D



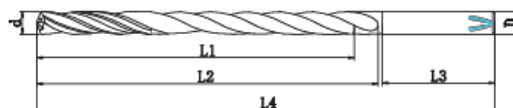
Артикул	D	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13810060	0.60	8	10	50	25	3	13810200	2.00	20	23	63	36	3
13810070	0.70	8	10	50	25	3	13810205	2.05	20	24	63	36	3
13810075	0.75	8.5	10	50	25	3	13810210	2.10	20	24	63	36	3
13810080	0.80	8.5	10	50	25	3	13810215	2.15	21	25	67	36	3
13810085	0.85	8.5	10	50	25	3	13810220	2.20	21	25	67	36	3
13810088	0.88	8.5	10	50	25	3	13810225	2.25	22	26	67	36	3
13810090	0.90	8.5	10	50	25	3	13810230	2.30	22	26	67	36	3
13810095	0.95	8.5	10	50	25	3	13810235	2.35	24	28	67	36	3
13810100	1.00	12	15	55	36	3	13810240	2.40	24	28	67	36	3
13810105	1.05	12	15	55	36	3	13810245	2.45	25	29	67	36	3
13810108	1.08	12	15	55	36	3	13810250	2.50	25	29	67	36	3
13810110	1.10	12	15	55	36	3	13810255	2.55	26	30	71	36	3
13810115	1.15	12	15	55	36	3	13810260	2.60	26	30	71	36	3
13810120	1.20	12	15	55	36	3	13810265	2.65	26	31	71	36	3
13810125	1.25	12	15	55	36	3	13810270	2.70	26	31	71	36	3
13810130	1.30	12	15	55	36	3	13810275	2.75	27	32	71	36	3
13810135	1.35	12	15	55	36	3	13810280	2.80	27	32	71	36	3
13810140	1.40	12	15	55	36	3	13810285	2.85	28	33	71	36	3
13810145	1.45	12	15	55	36	3	13810290	2.90	28	33	71	36	3
13810150	1.50	17	20	68	36	3	13810295	2.95	29	34	71	36	3
13810155	1.55	17	20	68	36	3							
13810160	1.60	17	20	68	36	3							
13810165	1.65	17	20	68	36	3							
13810170	1.70	17	20	68	36	3							
13810175	1.75	17	20	68	36	3							
13810180	1.80	17	20	68	36	3							
13810182	1.82	17	20	68	36	3							
13810185	1.85	17	20	68	36	3							
13810190	1.90	17	20	68	36	3							
13810195	1.95	17	20	68	36	3							



CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

135°
POINT ANGLE



8D



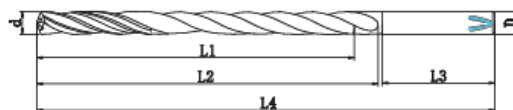
Артикул	D	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13810300	3.0	28	34	80	36	6	13810600	6.0	48	57	97	36	6
13810310	3.1	28	34	80	36	6	13810610	6.1	55	66	106	36	8
13810320	3.2	28	34	80	36	6	13810620	6.2	55	66	106	36	8
13810330	3.3	28	34	80	36	6	13810630	6.3	55	66	106	36	8
13810340	3.4	28	34	80	36	6	13810640	6.4	55	66	106	36	8
13810350	3.5	28	34	80	36	6	13810650	6.5	55	66	106	36	8
13810360	3.6	28	34	80	36	6	13810660	6.6	55	66	106	36	8
13810370	3.7	28	34	80	36	6	13810670	6.7	55	66	106	36	8
13810380	3.8	37	45	85	36	6	13810680	6.8	55	66	106	36	8
13810390	3.9	37	45	85	36	6	13810690	6.9	55	66	106	36	8
13810400	4.0	37	45	85	36	6	13810700	7.0	55	66	106	36	8
13810410	4.1	37	45	85	36	6	13810710	7.1	64	76	116	36	8
13810420	4.2	37	45	85	36	6	13810720	7.2	64	76	116	36	8
13810430	4.3	37	45	85	36	6	13810730	7.3	64	76	116	36	8
13810440	4.4	37	45	85	36	6	13810740	7.4	64	76	116	36	8
13810450	4.5	37	45	85	36	6	13810750	7.5	64	76	116	36	8
13810460	4.6	37	45	85	36	6	13810760	7.6	64	76	116	36	8
13810470	4.7	37	45	85	36	6	13810770	7.7	64	76	116	36	8
13810480	4.8	48	57	97	36	6	13810780	7.8	64	76	116	36	8
13810490	4.9	48	57	97	36	6	13810790	7.9	64	76	116	36	8
13810500	5.0	48	57	97	36	6	13810800	8.0	64	76	116	36	8
13810510	5.1	48	57	97	36	6	13810810	8.1	80	95	139	40	10
13810520	5.2	48	57	97	36	6	13810820	8.2	80	95	139	40	10
13810530	5.3	48	57	97	36	6	13810830	8.3	80	95	139	40	10
13810540	5.4	48	57	97	36	6	13810840	8.4	80	95	139	40	10
13810550	5.5	48	57	97	36	6	13810850	8.5	80	95	139	40	10
13810560	5.6	48	57	97	36	6	13810860	8.6	80	95	139	40	10
13810570	5.7	48	57	97	36	6	13810870	8.7	80	95	139	40	10
13810580	5.8	48	57	97	36	6	13810880	8.8	80	95	139	40	10
13810590	5.9	48	57	97	36	6	13810890	8.9	80	95	139	40	10



CARBIDE
TOOL MATERIAL

h7
SHANK DIA.
TOLERANCE

135°
POINT ANGLE



8D



Артикул	d	L	L2	L4	L3	D	Артикул	d	L	L2	L4	L3	D
13810900	9.0	80	95	139	40	10	13811200	12.0	96	114	163	45	12
13810910	9.1	80	95	139	40	10	13811250	12.5	119	133	182	45	14
13810920	9.2	80	95	139	40	10	13811270	12.7	119	133	182	45	14
13810930	9.3	80	95	139	40	10	13811300	13.0	119	133	182	45	14
13810940	9.4	80	95	139	40	10	13811350	13.5	119	133	182	45	14
13810950	9.5	80	95	139	40	10	13811400	14.0	119	133	182	45	14
13810960	9.6	80	95	139	40	10	13811450	14.5	136	152	204	48	16
13810970	9.7	80	95	139	40	10	13811500	15.0	136	152	204	48	16
13810980	9.8	80	95	139	40	10	13811550	15.5	136	152	204	48	16
13810990	9.9	80	95	139	40	10	13811600	16.0	136	152	204	48	16
13811000	10.0	80	95	139	40	10	13811650	16.5	153	171	223	48	18
13811010	10.1	96	114	163	45	12	13811700	17.0	153	171	223	48	18
13811020	10.2	96	114	163	45	12	13811750	17.5	153	171	223	48	18
13811030	10.3	96	114	163	45	12	13811800	18.0	153	171	223	48	18
13811040	10.4	96	114	163	45	12	13811850	18.5	170	190	244	50	20
13811050	10.5	96	114	163	45	12	13811900	19.0	170	190	244	50	20
13811060	10.6	96	114	163	45	12	13811950	19.5	170	190	244	50	20
13811070	10.7	96	114	163	45	12	13812000	20.0	170	190	244	50	20
13811080	10.8	96	114	163	45	12							
13811090	10.9	96	114	163	45	12							
13811100	11.0	96	114	163	45	12							
13811110	11.1	96	114	163	45	12							
13811120	11.2	96	114	163	45	12							
13811130	11.3	96	114	163	45	12							
13811140	11.4	96	114	163	45	12							
13811150	11.5	96	114	163	45	12							
13811160	11.6	96	114	163	45	12							
13811170	11.7	96	114	163	45	12							
13811180	11.8	96	114	163	45	12							
13811190	11.9	96	114	163	45	12							



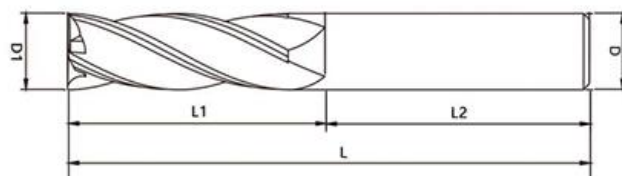
CARBIDE

COOL MATERIAL

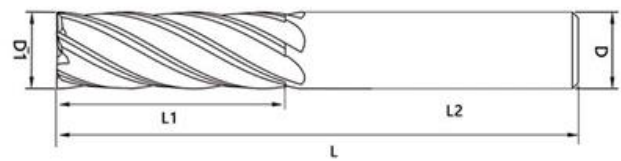
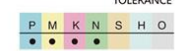
h7

SHANK DIA.
TOLERANCE

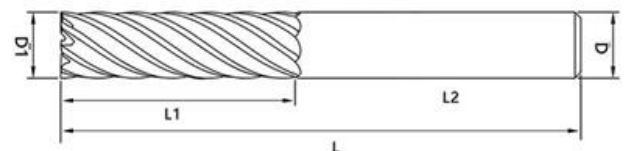
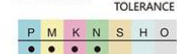
P M K N S H O



Артикул	D1	L1	D	L	Артикул	D1	L1	D	L
23010400	4	10	6	50	23110400	4	16	6	75
230104004	4	10	4	50	231104004	4	16	4	75
23010500	5	13	6	50	23110500	5	20	6	75
23010600	6	15	6	50	23110500L	5	25	6	100
230108008	8	20	8	60	23110600	6	25	6	75
23010800L	8	25	10	60	23110600L	6	30	6	100
23011000	10	25	10	75	23110800	8	25	8	75
23011000L	10	30	10	75	23110800L	8	35	8	100
23011200	12	30	12	75	23111000	10	40	10	100
23011200L	12	36	12	75	23111200	12	45	12	100
23011400	14	40	14	100	23111400	14	70	14	150
23011600	16	45	16	100	23111600	16	75	16	150
23011800	18	45	18	100	23111800	18	75	18	150
23012000	20	45	20	100	23112000	20	75	20	150



Артикул	D1	L1	D	L	Артикул	D1	L1	D	L
232108008	8	20	8	60	23310800	8	25	8	75
23210800	8	25	10	60	23310800L	8	35	8	100
23211000	10	25	10	75	23311000	10	40	10	100
23211000L	10	30	10	75	23311200	12	45	12	100
23211200	12	30	12	75	23311400	14	70	14	150
23211200L	12	36	12	75	23311600	16	75	16	150
23211400	14	40	14	100	23311800	18	75	18	150
23211600	16	45	16	100	23312000	20	75	20	150
23211800	18	45	18	100					
23212000	20	45	20	100					

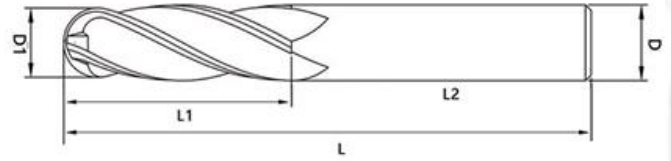


Артикул	D1	L1	D	L	Артикул	D1	L1	D	L
23411000	10	25	10	75	23511000	10	40	10	100
23411000L	10	30	10	75	23511200	12	45	12	100
23411200	12	30	12	75	23511400	14	70	14	150
23411200L	12	36	12	75	23511600	16	75	16	150
23411400	14	40	14	100	23511800	18	75	18	150
23411600	16	45	16	100	23512000	20	75	20	150
23411800	18	45	18	100					
23412000	20	45	20	100					



OOL MATERIAL

SHANK DIA.
TOLERANCE



Артикул	D1	L1	D	L	Артикул	D1	L1	D	L
23610400	4	10	6	50	23710400	4	16	6	75
236104004	4	10	4	50	237104004	4	16	4	75
23610500	5	13	6	50	23710500	5	20	6	75
23610600	6	15	6	50	23710500L	5	25	6	100
236108008	8	20	8	60	23710600	6	25	6	75
23610800L	8	25	10	60	23710600L	6	30	6	100
23611000	10	25	10	75	23710800	8	25	8	75
23611000L	10	30	10	75	23710800L	8	35	8	100
23611200	12	30	12	75	23711000	10	40	10	100
23611200L	12	36	12	75	23711200	12	45	12	100
23611400	14	40	14	100	23711400	14	70	14	150
23611600	16	45	16	100	23711600	16	75	16	150
23611800	18	45	18	100	23711800	18	75	18	150
23612000	20	45	20	100	23712000	20	75	20	150

ВИННСЛА

V I N N S L

