Punte a lancia con fori di refrigerazione

Straight flute drills with coolant holes

Applicazioni / Application — Buone prestazioni su materiali a truciolo corto come ghise e leghe leggere, realizzano fori con buona concentricità, precisione di allineamento e un'autocentratura eccezionale. Inoltre, la presenza dei fori di refrigerazione garantisce basse temperature di utilizzo.

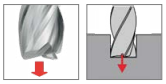
Materiale / Material — Metallo duro micrograna ISO K20-K40

Norma / Norm — Standard **Utensili Services**

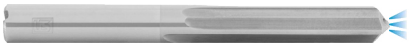
Rivestimento / Coating — HYPERCUT

Acciai	Acciai INOX	Ghise	Grafite	L.Leggere	Non ferrosi	Titanio	HRSA	HRC < 54	HRC > 54
○	○	●	○	●	●	○	○	○	○
ISO-P	ISO-M	ISO-K	Graphite	L.Alloys	Non-ferrous	Titanium	ISO-S	HRC < 54	ISO-H

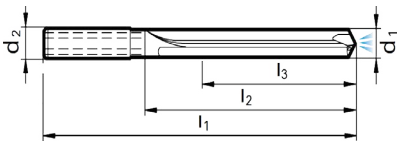
Solid	DIN 6535	DIN 6535	Profilo	Lunga	Refrigerazione interna
M.D. Carbide	HA	HB	N Profile	Long	Coolant holes



Cod. 614



Foratura	Elica		
5xD Drilling	0° Helix	130°	Z2



614	d1h6	d2h6	l1	l2	l3
614.0300	3,00	6	66	28	23
614.0310	3,10	6	66	28	23
614.0320	3,20	6	66	28	23
614.0330	3,30	6	66	28	23
614.0340	3,40	6	66	28	23
614.0350	3,50	6	66	28	23
614.0360	3,60	6	66	28	23
614.0370	3,70	6	66	28	23
614.0380	3,80	6	74	36	29
614.0390	3,90	6	74	36	29
614.0400	4,00	6	74	36	29
614.0410	4,10	6	74	36	29
614.0420	4,20	6	74	36	29
614.0430	4,30	6	74	36	29
614.0440	4,40	6	74	36	29
614.0450	4,50	6	74	36	29
614.0460	4,60	6	74	36	29
614.0470	4,70	6	74	36	29
614.0480	4,80	6	82	44	35
614.0490	4,90	6	82	44	35
614.0500	5,00	6	82	44	35
614.0510	5,10	6	82	44	35
614.0520	5,20	6	82	44	35
614.0530	5,30	6	82	44	35
614.0540	5,40	6	82	44	35
614.0550	5,50	6	82	44	35
614.0560	5,60	6	82	44	35
614.0570	5,70	6	82	44	35
614.0580	5,80	6	82	44	35
614.0590	5,90	6	82	44	35
614.0600	6,00	6	82	44	35

614	d1h6	d2h6	l1	l2	l3
614.0610	6,10	8	91	53	43
614.0620	6,20	8	91	53	43
614.0630	6,30	8	91	53	43
614.0640	6,40	8	91	53	43
614.0650	6,50	8	91	53	43
614.0660	6,60	8	91	53	43
614.0670	6,70	8	91	53	43
614.0680	6,80	8	91	53	43
614.0690	6,90	8	91	53	43
614.0700	7,00	8	91	53	43
614.0710	7,10	8	91	53	43
614.0720	7,20	8	91	53	43
614.0730	7,30	8	91	53	43
614.0740	7,40	8	91	53	43
614.0750	7,50	8	91	53	43
614.0760	7,60	8	91	53	43
614.0770	7,70	8	91	53	43
614.0780	7,80	8	91	53	43
614.0790	7,90	8	91	53	43
614.0800	8,00	8	91	53	43
614.0810	8,10	10	103	61	49
614.0820	8,20	10	103	61	49
614.0830	8,30	10	103	61	49
614.0840	8,40	10	103	61	49
614.0850	8,50	10	103	61	49
614.0860	8,60	10	103	61	49
614.0870	8,70	10	103	61	49
614.0880	8,80	10	103	61	49

Punte a lancia con fori di refrigerazione

Straight flute drills with coolant holes

614	d_1h_6	d_2h_6	l_1	l_2	l_3
614.0890	8,90	10	103	61	49
614.0900	9,00	10	103	61	49
614.0910	9,10	10	103	61	49
614.0920	9,20	10	103	61	49
614.0930	9,30	10	103	61	49
614.0940	9,40	10	103	61	49
614.0950	9,50	10	103	61	49
614.0960	9,60	10	103	61	49
614.0970	9,70	10	103	61	49
614.0980	9,80	10	103	61	49
614.0990	9,90	10	103	61	49
614.1000	10,00	10	103	61	49
614.1010	10,10	12	118	71	56
614.1020	10,20	12	118	71	56
614.1030	10,30	12	118	71	56
614.1040	10,40	12	118	71	56
614.1050	10,50	12	118	71	56
614.1060	10,60	12	118	71	56
614.1070	10,70	12	118	71	56
614.1080	10,80	12	118	71	56
614.1090	10,90	12	118	71	56
614.1100	11,00	12	118	71	56
614.1110	11,10	12	118	71	56
614.1120	11,20	12	118	71	56
614.1130	11,30	12	118	71	56
614.1140	11,40	12	118	71	56
614.1150	11,50	12	118	71	56
614.1160	11,60	12	118	71	56
614.1170	11,70	12	118	71	56
614.1180	11,80	12	118	71	56
614.1190	11,90	12	118	71	56
614.1200	12,00	12	118	71	56
614.1250	12,50	14	124	77	60
614.1300	13,00	14	124	77	60
614.1350	13,50	14	124	77	60
614.1400	14,00	14	124	77	60
614.1450	14,50	16	133	83	63

614	d_1h_6	d_2h_6	l_1	l_2	l_3
614.1500	15,00	16	133	83	63
614.1550	15,50	16	133	83	63
614.1600	16,00	16	133	83	63
614.1650	16,50	18	143	93	71
614.1700	17,00	18	143	93	71
614.1750	17,50	18	143	93	71
614.1800	18,00	18	143	93	71
614.1850	18,50	20	153	101	77
614.1900	19,00	20	153	101	77
614.1950	19,50	20	153	101	77
614.2000	20,00	20	153	101	77

Punte a lancia con fori di refrigerazione serie lunga

Straight flute drills with coolant holes long series

Applicazioni / Application — Buone prestazioni su materiali a truciolo corto come ghise e leghe leggere, realizzano fori con buona concentricità, precisione di allineamento e un'autocentratura eccezionale. Inoltre, la presenza dei fori di refrigerazione garantisce basse temperature di utilizzo.

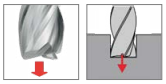
Materiale / Material — Metallo duro micrograna ISO K20-K40

Norma / Norm — Standard **Utensili Services**

Rivestimento / Coating — HYPERCUT

Acciai	Acciai INOX	Ghise	Grafite	L.Leggere	Non ferrosi	Titanio	HRSA	HRC < 54	HRC > 54
○	○	●	○	●	●	○	○	○	○
ISO-P	ISO-M	ISO-K	Graphite	L.Alloys	Non-ferrous	Titanium	ISO-S	HRC < 54	ISO-H

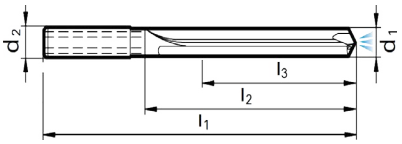
Solid	DIN 6535	DIN 6535	Profilo	Extra lunga	Refrigerazione interna
M.D. Carbide	HA	HB	N Profile	Extra long	Coolant holes



Cod. 614L



Foratura	Elica	130°	Z2
8xD Drilling	0° Helix		



614L	d1h6	d2h6	l1	l2	l3
614.0300L	3,00	6	72	34	29
614.0310L	3,10	6	72	34	29
614.0320L	3,20	6	72	34	29
614.0330L	3,30	6	72	34	29
614.0340L	3,40	6	72	34	29
614.0350L	3,50	6	72	34	29
614.0360L	3,60	6	72	34	29
614.0370L	3,70	6	72	34	29
614.0380L	3,80	6	81	43	36
614.0390L	3,90	6	81	43	36
614.0400L	4,00	6	81	43	36
614.0410L	4,10	6	81	43	36
614.0420L	4,20	6	81	43	36
614.0430L	4,30	6	81	43	36
614.0440L	4,40	6	81	43	36
614.0450L	4,50	6	81	43	36
614.0460L	4,60	6	81	43	36
614.0470L	4,70	6	81	43	36
614.0480L	4,80	6	95	57	48
614.0490L	4,90	6	95	57	48
614.0500L	5,00	6	95	57	48
614.0510L	5,10	6	95	57	48
614.0520L	5,20	6	95	57	48
614.0530L	5,30	6	95	57	48
614.0540L	5,40	6	95	57	48
614.0550L	5,50	6	95	57	48
614.0560L	5,60	6	95	57	48
614.0570L	5,70	6	95	57	48
614.0580L	5,80	6	95	57	48
614.0590L	5,90	6	95	57	48
614.0600L	6,00	6	95	57	48

614L	d1h6	d2h6	l1	l2	l3
614.0610L	6,10	8	114	76	64
614.0620L	6,20	8	114	76	64
614.0630L	6,30	8	114	76	64
614.0640L	6,40	8	114	76	64
614.0650L	6,50	8	114	76	64
614.0660L	6,60	8	114	76	64
614.0670L	6,70	8	114	76	64
614.0680L	6,80	8	114	76	64
614.0690L	6,90	8	114	76	64
614.0700L	7,00	8	114	76	64
614.0710L	7,10	8	114	76	64
614.0720L	7,20	8	114	76	64
614.0730L	7,30	8	114	76	64
614.0740L	7,40	8	114	76	64
614.0750L	7,50	8	114	76	64
614.0760L	7,60	8	114	76	64
614.0770L	7,70	8	114	76	64
614.0780L	7,80	8	114	76	64
614.0790L	7,90	8	114	76	64
614.0800L	8,00	8	114	76	64
614.0810L	8,10	10	142	95	80
614.0820L	8,20	10	142	95	80
614.0830L	8,30	10	142	95	80
614.0840L	8,40	10	142	95	80
614.0850L	8,50	10	142	95	80
614.0860L	8,60	10	142	95	80
614.0870L	8,70	10	142	95	80
614.0880L	8,80	10	142	95	80

Punte a lancia con fori di refrigerazione serie lunga

Straight flute drills with coolant holes long series

614L	d_1h_6	d_2h_6	l_1	l_2	l_3
614.0890L	8,90	10	142	95	80
614.0900L	9,00	10	142	95	80
614.0910L	9,10	10	142	95	80
614.0920L	9,20	10	142	95	80
614.0930L	9,30	10	142	95	80
614.0940L	9,40	10	142	95	80
614.0950L	9,50	10	142	95	80
614.0960L	9,60	10	142	95	80
614.0970L	9,70	10	142	95	80
614.0980L	9,80	10	142	95	80
614.0990L	9,90	10	142	95	80
614.1000L	10,00	10	142	95	80
614.1010L	10,10	12	162	114	96
614.1020L	10,20	12	162	114	96
614.1030L	10,30	12	162	114	96
614.1040L	10,40	12	162	114	96
614.1050L	10,50	12	162	114	96
614.1060L	10,60	12	162	114	96
614.1070L	10,70	12	162	114	96
614.1080L	10,80	12	162	114	96
614.1090L	10,90	12	162	114	96
614.1100L	11,00	12	162	114	96
614.1110L	11,10	12	162	114	96
614.1120L	11,20	12	162	114	96
614.1130L	11,30	12	162	114	96
614.1140L	11,40	12	162	114	96
614.1150L	11,50	12	162	114	96
614.1160L	11,60	12	162	114	96
614.1170L	11,70	12	162	114	96
614.1180L	11,80	12	162	114	96
614.1190L	11,90	12	162	114	96
614.1200L	12,00	12	162	114	96
614.1250L	12,50	14	178	133	112
614.1300L	13,00	14	178	133	112
614.1350L	13,50	14	178	133	112
614.1400L	14,00	14	178	133	112
614.1450L	14,50	16	203	152	128
614.1500L	15,00	16	203	152	128
614.1550L	15,50	16	203	152	128

614L	d_1h_6	d_2h_6	l_1	l_2	l_3
614.1600L	16,00	16	203	152	128
614.1650L	16,50	18	222	171	144
614.1700L	17,00	18	222	171	144
614.1750L	17,50	18	222	171	144
614.1800L	18,00	18	222	171	144
614.1850L	18,50	20	243	190	160
614.1900L	19,00	20	243	190	160
614.1950L	19,50	20	243	190	160
614.2000L	20,00	20	243	190	160

Punte a lancia con fori di refrigerazione serie extra lunga

Straight flute drills with coolant holes extra long series

Applicazioni / Application — Buone prestazioni su materiali a truciolo corto come ghise e leghe leggere, realizzano fori con buona concentricità, precisione di allineamento e un'autocentratura eccezionale. Inoltre, la presenza dei fori di refrigerazione garantisce basse temperature di utilizzo.

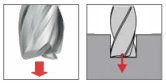
Materiale / Material — Metallo duro micrograna ISO K20-K40

Norma / Norm — Standard **Utensili Services**

Rivestimento / Coating — HYPERCUT

Acciai	Acciai INOX	Ghise	Grafite	L.Leggere	Non ferrosi	Titanio	HRSA	HRC < 54	HRC > 54
○	○	●	○	●	●	○	○	○	○
ISO-P	ISO-M	ISO-K	Graphite	L.Alloys	Non-ferrous	Titanium	ISO-S	HRC < 54	ISO-H

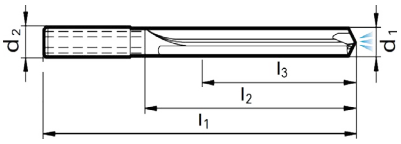
Solid	DIN 6535	DIN 6535	Profilo	XXL	Refrigerazione interna
M.D. Carbide	HA	HB	N Profile	XXL	Coolant holes



Cod. 614XL



Foratura	Elica	130°	Z2
12xD Drilling	0° Helix		



614XL	d1h6	d2h6	l1	l2	l3
614.0300XL	3,00	6	92	54	48
614.0310XL	3,10	6	92	54	48
614.0320XL	3,20	6	92	54	48
614.0330XL	3,30	6	92	54	48
614.0340XL	3,40	6	92	54	48
614.0350XL	3,50	6	92	54	48
614.0360XL	3,60	6	92	54	48
614.0370XL	3,70	6	92	54	48
614.0380XL	3,80	6	102	64	58
614.0390XL	3,90	6	102	64	58
614.0400XL	4,00	6	102	64	58
614.0410XL	4,10	6	102	64	58
614.0420XL	4,20	6	102	64	58
614.0430XL	4,30	6	102	64	58
614.0440XL	4,40	6	102	64	58
614.0450XL	4,50	6	102	64	58
614.0460XL	4,60	6	102	64	58
614.0470XL	4,70	6	102	64	58
614.0480XL	4,80	6	116	78	70
614.0490XL	4,90	6	116	78	70
614.0500XL	5,00	6	116	78	70
614.0510XL	5,10	6	116	78	70
614.0520XL	5,20	6	116	78	70
614.0530XL	5,30	6	116	78	70
614.0540XL	5,40	6	116	78	70
614.0550XL	5,50	6	116	78	70
614.0560XL	5,60	6	116	78	70
614.0570XL	5,70	6	116	78	70
614.0580XL	5,80	6	116	78	70
614.0590XL	5,90	6	116	78	70
614.0600XL	6,00	6	116	78	70

614XL	d1h6	d2h6	l1	l2	l3
614.0610XL	6,10	8	146	108	94
614.0620XL	6,20	8	146	108	94
614.0630XL	6,30	8	146	108	94
614.0640XL	6,40	8	146	108	94
614.0650XL	6,50	8	146	108	94
614.0660XL	6,60	8	146	108	94
614.0670XL	6,70	8	146	108	94
614.0680XL	6,80	8	146	108	94
614.0690XL	6,90	8	146	108	94
614.0700XL	7,00	8	146	108	94
614.0710XL	7,10	8	146	108	94
614.0720XL	7,20	8	146	108	94
614.0730XL	7,30	8	146	108	94
614.0740XL	7,40	8	146	108	94
614.0750XL	7,50	8	146	108	94
614.0760XL	7,60	8	146	108	94
614.0770XL	7,70	8	146	108	94
614.0780XL	7,80	8	146	108	94
614.0790XL	7,90	8	146	108	94
614.0800XL	8,00	8	146	108	94
614.0810XL	8,10	10	162	120	110
614.0820XL	8,20	10	162	120	110
614.0830XL	8,30	10	162	120	110
614.0840XL	8,40	10	162	120	110
614.0850XL	8,50	10	162	120	110
614.0860XL	8,60	10	162	120	110
614.0870XL	8,70	10	162	120	110
614.0880XL	8,80	10	162	120	110

Punte a lancia con fori di refrigerazione serie extra lunga

Straight flute drills with coolant holes extra long series

614XL	d_1h_6	d_2h_6	l_1	l_2	l_3
614.0890XL	8,90	10	162	120	110
614.0900XL	9,00	10	162	120	110
614.0910XL	9,10	10	162	120	110
614.0920XL	9,20	10	162	120	110
614.0930XL	9,30	10	162	120	110
614.0940XL	9,40	10	162	120	110
614.0950XL	9,50	10	162	120	110
614.0960XL	9,60	10	162	120	110
614.0970XL	9,70	10	162	120	110
614.0980XL	9,80	10	162	120	110
614.0990XL	9,90	10	162	120	110
614.1000XL	10,00	10	162	120	110
614.1010XL	10,10	12	204	156	142
614.1020XL	10,20	12	204	156	142
614.1030XL	10,30	12	204	156	142
614.1040XL	10,40	12	204	156	142
614.1050XL	10,50	12	204	156	142
614.1060XL	10,60	12	204	156	142
614.1070XL	10,70	12	204	156	142
614.1080XL	10,80	12	204	156	142
614.1090XL	10,90	12	204	156	142
614.1100XL	11,00	12	204	156	142
614.1110XL	11,10	12	204	156	142
614.1120XL	11,20	12	204	156	142
614.1130XL	11,30	12	204	156	142
614.1140XL	11,40	12	204	156	142
614.1150XL	11,50	12	204	156	142
614.1160XL	11,60	12	204	156	142
614.1170XL	11,70	12	204	156	142
614.1180XL	11,80	12	204	156	142
614.1190XL	11,90	12	204	156	142
614.1200XL	12,00	12	204	156	142
614.1250XL	12,50	14	230	182	166
614.1300XL	13,00	14	230	182	166
614.1350XL	13,50	14	230	182	166
614.1400XL	14,00	14	230	182	166
614.1450XL	14,50	16	260	208	192
614.1500XL	15,00	16	260	208	192
614.1550XL	15,50	16	260	208	192
614.1600XL	16,00	16	260	208	192

614XL	d_1h_6	d_2h_6	l_1	l_2	l_3
614.1650XL	16,50	18	285	234	216
614.1700XL	17,00	18	285	234	216
614.1750XL	17,50	18	285	234	216
614.1800XL	18,00	18	285	234	216
614.1850XL	18,50	20	310	258	240
614.1900XL	19,00	20	310	258	240
614.1950XL	19,50	20	310	258	240
614.2000XL	20,00	20	310	258	240