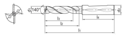

GZD					mm				
					Basic Size(mm)				
Type Specification	d1(Diameter of Cut)	Drilling Depth	Type of Cooling	Type of Shank	(Shank Diameter)	Overall Length	Flute Length	Recommended Drilling Depth	Shank Length
					d2	l1	l2	l3	l4
GZD03A-0300		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0300	3.0	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0300		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0310		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0310	3.1	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0310		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0320		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0320	3.2	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0320		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0325		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0325	3.25	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0325		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0330		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0330	3.3	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0330		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0340		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0340	3.4	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0340		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0350		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0350	3.5	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0350		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0360		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0360	3.6	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0360		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0370		3	Internal Cooling	Straight Shank	6	62	20	14	36
GZD05A-0370	3.7	5	Internal Cooling	Straight Shank	6	66	28	23	36
GZD05B-0370		5	Internal Cooling	Beveled Shank	6	66	28	23	36
GZD03A-0380		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0380	3.8	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0380		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0390		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0390	3.9	5	Internal Cooling	Straight Shank	6	74	36	39	36
GZD05B-0390		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0400		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0400	4.0	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0400		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0410		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0410	4.1	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0410		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0420		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0420	4.2	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0420		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0430		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0430	4.3	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0430		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0440		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0440	4.4	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0440		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0450		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0450	4.5	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0450		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0460		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0460	4.6	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0460		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0465		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0465	4.65	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0465		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0470		3	Internal Cooling	Straight Shank	6	66	24	17	36
GZD05A-0470	4.7	5	Internal Cooling	Straight Shank	6	74	36	29	36
GZD05B-0470		5	Internal Cooling	Beveled Shank	6	74	36	29	36
GZD03A-0480		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0480	4.8	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0480		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0490		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0490	4.9	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0490		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0500		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0500	5.0	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0500		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0510		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0510	5.1	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0510		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0520		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0520	5.2	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0520		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0530		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0530	5.3	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0530		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0540		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0540	5.4	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0540		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0550		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0550	5.5	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0550		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0555		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0555	5.55	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0555		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0560		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0560	5.6	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0560		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0570		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0570	5.7	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0570		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0580		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0580	5.8	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0580		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0590		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0590	5.9	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0590		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0600		3	Internal Cooling	Straight Shank	6	66	28	20	36
GZD05A-0600	6.0	5	Internal Cooling	Straight Shank	6	82	44	35	36
GZD05B-0600		5	Internal Cooling	Beveled Shank	6	82	44	35	36
GZD03A-0610		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0610	6.1	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0610		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0620		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0620	6.2	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0620		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0630		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0630	6.3	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0630		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0640		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0640	6.4	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0640		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0650		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0650	6.5	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0650		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0660		3	Internal Cooling	Straight Shank	8	66	34	24	36
GZD05A-0660	6.6	5	Internal Cooling	Straight Shank	8	82	53	43	36
GZD05B-0660		5	Internal Cooling	Beveled Shank	8	82	53	43	36
GZD03A-0670		3	Internal Cooling	Straight Shank	8	66	34	24	36
GZD05A-0670	6.7	5	Internal Cooling	Straight Shank	8	82	53	43	36
GZD05B-0670		5	Internal Cooling	Beveled Shank	8	82	53	43	36
GZD03A-0675		3	Internal Cooling	Straight Shank	8	66	34	24	36
GZD05A-0675	6.75	5	Internal Cooling	Straight Shank	8	82	53	43	36
GZD05B-0675		5	Internal Cooling	Beveled Shank	8	82	53	43	36
GZD03A-0680		3	Internal Cooling	Straight Shank	8	66	34	24	36
GZD05A-0680	6.8	5	Internal Cooling	Straight Shank	8	82	53	43	36
GZD05B-0680		5	Internal Cooling	Beveled Shank	8	82	53	43	36
GZD03A-0690		3	Internal Cooling	Straight Shank	8	66	34	24	36
GZD05A-0690	6.9	5	Internal Cooling	Straight Shank	8	82	53	43	36
GZD05B-0690		5	Internal Cooling	Beveled Shank	8	82	53	43	36
GZD03A-0700		3	Internal Cooling	Straight Shank	8	79	34	24	36
GZD05A-0700	7.0	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0700		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0710		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0710	7.1	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0710		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0720		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0720	7.2	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0720		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0730		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0730	7.3	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0730		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0740		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0740	7.4	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0740		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0750		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0750	7.5	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0750		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0760		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0760	7.6	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0760		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0770		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0770	7.7	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0770		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0780		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0780	7.8	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0780		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0790		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0790	7.9	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0790		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0800		3	Internal Cooling	Straight Shank	8	79	41	29	36
GZD05A-0800	8.0	5	Internal Cooling	Straight Shank	8	91	53	43	36
GZD05B-0800		5	Internal Cooling	Beveled Shank	8	91	53	43	36
GZD03A-0810		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0810	8.1	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0810		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0820		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0820	8.2	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0820		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0830		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0830	8.3	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0830		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0840		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0840	8.4	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0840		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0850		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0850	8.5	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0850		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0860		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0860	8.6	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0860		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0870		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0870	8.7	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0870		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0880		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0880	8.8	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0880		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0890		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0890	8.9	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0890		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0900		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0900	9.0	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0900		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0910		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0910	9.1	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0910		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0920		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0920	9.2	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0920		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0930		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0930	9.3	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0930		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0940		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0940	9.4	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0940		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0950		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0950	9.5	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0950		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0960		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0960	9.6	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0960		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0970		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0970	9.7	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0970		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0980		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0980	9.8	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-0980		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-0990		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-0990	9.9	5	Internal Cooling	Straight Shank	10	103	61	49	40

GZD05B-0990		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-1000		3	Internal Cooling	Straight Shank	10	89	47	35	40
GZD05A-1000	10.0	5	Internal Cooling	Straight Shank	10	103	61	49	40
GZD05B-1000		5	Internal Cooling	Beveled Shank	10	103	61	49	40
GZD03A-1010		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1010	10.1	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1010		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1025		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1025	10.25	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1025		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1030		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1030	10.3	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1030		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1040		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1040	10.4	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1040		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1050		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1050	10.5	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1050		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1060		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1060	10.6	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1060		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1070		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1070	10.7	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1070		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1080		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1080	10.8	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1080		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1090		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1090	10.9	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1090		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1100		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1100	11.0	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1100		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1110		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1110	11.1	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1110		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1120		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1120	11.2	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1120		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1130		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1130	11.3	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1130		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1140		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1140	11.4	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1140		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1150		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1150	11.5	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1150		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1160		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1160	11.6	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1160		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1170		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1170	11.7	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1170		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1180		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1180	11.8	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1180		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1190		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1190	11.9	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1190		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1200		3	Internal Cooling	Straight Shank	12	102	55	40	45
GZD05A-1200	12.0	5	Internal Cooling	Straight Shank	12	118	71	56	45
GZD05B-1200		5	Internal Cooling	Beveled Shank	12	118	71	56	45
GZD03A-1225		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1225	12.25	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1225		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1230		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1230	12.3	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1230		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1250		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1250	12.5	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1250		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1270		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1270	12.7	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1270		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1275		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1275	12.75	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1275		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1280		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1280	12.8	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1280		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1300		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1300	13.0	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1300		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1310		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1310	13.1	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1310		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1350		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1350	13.5	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1350		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1380		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1380	13.8	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1380		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1400		3	Internal Cooling	Straight Shank	14	107	60	43	45
GZD05A-1400	14.0	5	Internal Cooling	Straight Shank	14	124	77	60	45
GZD05B-1400		5	Internal Cooling	Beveled Shank	14	124	77	60	45
GZD03A-1425		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1425	14.25	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1425		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1430		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1430	14.3	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1430		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1450		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1450	14.5	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1450		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1475		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1475	14.75	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1475		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1480		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1480	14.8	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1480		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1500		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1500	15.0	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1500		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1510		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1510	15.1	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1510		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1550		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1550	15.5	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1550		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1580		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1580	15.8	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1580		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1600		3	Internal Cooling	Straight Shank	16	115	65	45	48
GZD05A-1600	16.0	5	Internal Cooling	Straight Shank	16	133	83	63	48
GZD05B-1600		5	Internal Cooling	Beveled Shank	16	133	83	63	48
GZD03A-1650		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1650	16.5	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1650		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1675		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1675	16.75	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1675		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1680		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1680	16.8	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1680		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1700		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1700	17.0	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1700		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1750		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1750	17.5	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1750		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1780		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1780	17.8	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1780		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1800		3	Internal Cooling	Straight Shank	18	123	73	51	48
GZD05A-1800	18.0	5	Internal Cooling	Straight Shank	18	143	93	71	48
GZD05B-1800		5	Internal Cooling	Beveled Shank	18	143	93	71	48
GZD03A-1850		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-1850	18.5	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-1850		5	Internal Cooling	Beveled Shank	20	153	101	77	50
GZD03A-1880		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-1880	18.8	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-1880		5	Internal Cooling	Beveled Shank	20	153	101	77	50
GZD03A-1900		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-1900	19.0	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-1900		5	Internal Cooling	Beveled Shank	20	153	101	77	50
GZD03A-1950		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-1950	19.5	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-1950		5	Internal Cooling	Beveled Shank	20	153	101	77	50
GZD03A-1980		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-1980	19.8	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-1980		5	Internal Cooling	Beveled Shank	20	153	101	77	50
GZD03A-2000		3	Internal Cooling	Straight Shank	20	131	79	55	50
GZD05A-2000	20.0	5	Internal Cooling	Straight Shank	20	153	101	77	50
GZD05B-2000		5	Internal Cooling	Beveled Shank	20	153	101	77	50

Recommended Cutting Parameters for Drilling Tools

GZD Series Twist Drill (Internal Cooling Type) 3D 5D

Processed Material	Mild Steel (HB≤180)		Carbon Steel/ Alloy Steel (~30HRC)		Stainless Steel					
					Austenite Series		Martensitic Series		Ferrite Series	
Cutting Speed	80~150 m/min		80~150 m/min		40~80 m/min		50~100 m/min		60~120 m/min	
Diameter (mm)	Rotational Speed (min-1)	Feed Rate (mm/r)	Rotational Speed (min-1)	Feed Rate (mm/r)	Rotational Speed (min-1)	Feed Rate (mm/r)	Rotational Speed (min-1)	Feed Rate (mm/r)	Rotational Speed (min-1)	Feed Rate (mm/r)
3	12700	(0.09~0.12)	12700	(0.09~0.12)	6300	(0.03~0.07)	7400	(0.03~0.07)	9000	(0.03~0.07)
4	9600	(0.10~0.15)	9600	(0.10~0.15)	4700	(0.04~0.08)	5600	(0.04~0.08)	6700	(0.04~0.08)
5	7600	(0.12~0.18)	7600	(0.12~0.18)	3800	(0.05~0.10)	4500	(0.05~0.10)	5400	(0.05~0.10)
6	6400	(0.14~0.20)	6400	(0.14~0.20)	3200	(0.06~0.12)	3700	(0.06~0.12)	4500	(0.06~0.12)
8	4800	(0.16~0.24)	4800	(0.16~0.24)	2400	(0.08~0.16)	2800	(0.08~0.16)	3400	(0.08~0.16)
10	3800	(0.18~0.27)	3800	(0.18~0.27)	1900	(0.10~0.18)	2200	(0.10~0.18)	2700	(0.10~0.18)
12	3200	(0.20~0.30)	3200	(0.20~0.30)	1600	(0.12~0.20)	1900	(0.12~0.20)	2300	(0.12~0.20)
14	2700	(0.22~0.35)	2700	(0.22~0.35)	1350	(0.13~0.22)	1600	(0.13~0.22)	1900	(0.13~0.22)
16	2400	(0.25~0.36)	2400	(0.25~0.36)	1200	(0.14~0.25)	1400	(0.14~0.25)	1700	(0.14~0.25)
18	2100	(0.28~0.38)	2100	(0.28~0.38)	1050	(0.15~0.28)	1200	(0.15~0.28)	1500	(0.15~0.28)
20	1900	(0.30~0.40)	1900	(0.30~0.40)	950	(0.16~0.30)	1100	(0.16~0.30)	1350	(0.16~0.30)