

Swift-Burroff

The SwiftBurr-off is a simple one-piece construction, delivering super efficient hole deburring in a wide range of sizes. The Swift-Burroff is designed for high-production, automated deburring operations – and primarily for ferrous materials. The open-slot design of the Swift-Burroff tool allows chips to clear easily, which makes the tool ideal for automatic equipment and multi-spindle machines. The Swift-Burroff deburrs the front, back, or both sides of holes in one fast pass.

Swift-Burroff tools HQL-ZT-0.8 through HQL-ZT-5-2 are for hole sizes from 0.8mm through 5.56mm and have a single cutting edge. Larger tools feature two cutting edges.

Application:

Swift-Burroff can be used on all rotary machines, such as Drilling Machines, Milling Machines, Lathes, CNC Machines and Power Tools.

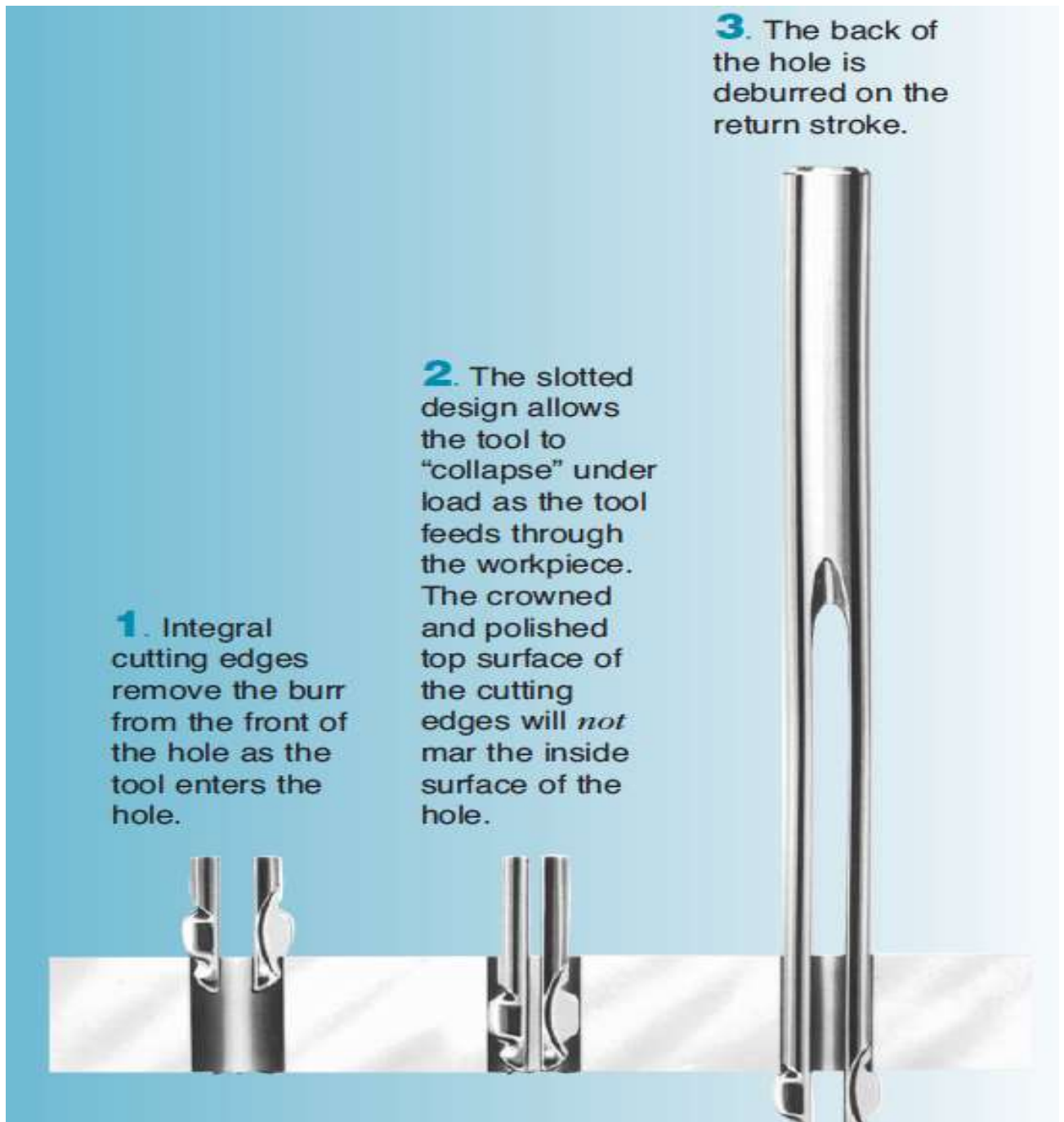
Swift-Burroff can be used for mass production hole de-burring without tool adjustment.

Ideal for where access is restricted, Swift-Burroff tools are perfect for interrupted or interference cuts, holes close to shoulders, bosses, back folded sections, multi-layer or multi-sectional parts – pipes, tubes, liners housings, flanges – whether cast, stamped, extruded or machined.

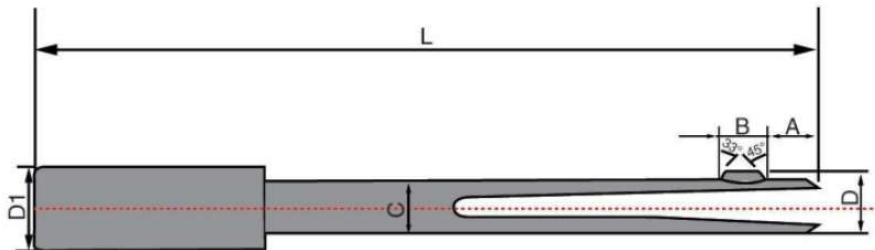
It is widely used in Automotive, Aerospace, Oil & Gas and General Engineering Industries.



Swift-Burroff tool working principle

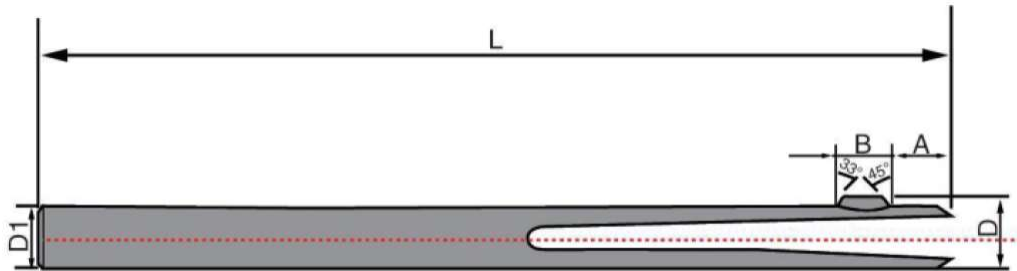


Swift-BurrOff



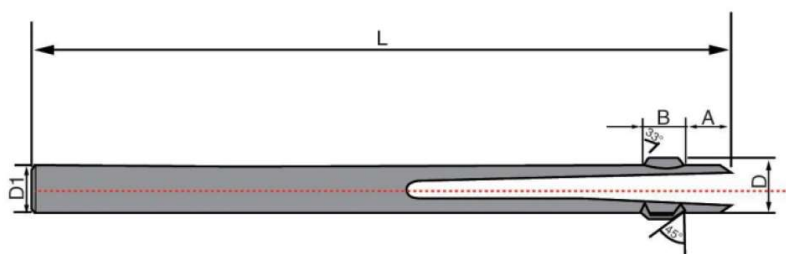
ITEM CODE	RANGE OF HOLE SIZES	D1	C	L	A	B	D	RPM
	MM	MM	MM	MM	MM	MM	MM	REV/MIN
HQL-ZT-1-1	1.0-1.1	3	0.9	45	1	1.5	1.35	1800
HQL-ZT-1-2	1.1-1.2	3	1	45	1	1.5	1.5	1800
HQL-ZT-1-3	1.2-1.3	3	1.1	45	1	1.5	1.65	1800
HQL-ZT-1-4	1.3-1.4	3	1.2	45	1	1.5	1.8	1800
HQL-ZT-1-5	1.4-1.5	3	1.3	45	1	1.5	1.95	1800
HQL-ZT-1-6	1.5-1.6	3	1.4	50	2	2.5	2.1	1500
HQL-ZT-1-7	1.6-1.7	3	1.5	50	2	2.5	2.25	1500
HQL-ZT-1-8	1.7-1.8	3	1.6	50	2	2.5	2.4	1500
HQL-ZT-1-9	1.8-1.9	3	1.7	60	2	2.5	2.55	1500
HQL-ZT-1-10	1.9-2.0	3	1.8	60	2	2.5	2.65	1500
HQL-ZT-2-1	2.0-2.2	3	1.9	60	2	2.5	2.8	1500
HQL-ZT-2-2	2.2-2.4	3	2.1	80	2	2.5	3.15	1500
HQL-ZT-2-3	2.4-2.6	3	2.3	80	2	2.5	3.45	1500

Swift-BurrOff



ITEM CODE	RANGE OF HOLE SIZES	D1	L	A	B	D	RPM
	MM	MM	MM	MM	MM	MM	REV/MIN
HQL-ZT-2-5	2.8-3.18	2.75	101.6	3.18	4.45	4	1200
HQL-ZT-3-1	3.18-3.55	3.15	101.6	3.18	4.45	4.34	1200
HQL-ZT-3-2	3.55-3.96	3.58	101.6	3.18	4.45	4.74	1200
HQL-ZT-3-3	3.96-4.36	3.9	101.6	3.18	4.45	5.54	1200
HQL-ZT-4-1	4.36-4.74	4.34	101.6	3.18	4.45	5.94	1200
HQL-ZT-4-2	4.74-5.15	4.72	101.6	3.18	6.22	6.35	1200
HQL-ZT-5-1	5.15-5.56	5.13	101.6	3.3	9.39	6.78	1200
HQL-ZT-5-2	5.56-5.94	5.54	101.6	6.48	6.22	7.92	800-1000

Swift-BurrOff



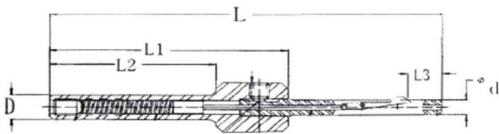
ITEM CODE	RANGE OF HOLE SIZES	D1	L	A	B	D	RPM
	MM	MM	MM	MM	MM	MM	REV/MIN
HQL-ZT-5-3	5.94-6.35	5.92	101.6	6.48	6.22	8.33	800-1000
HQL-ZT-6-1	6.35-6.75	6.32	101.6	6.48	6.22	8.71	800-1000
HQL-ZT-6-2	6.75-7.13	6.73	101.6	6.48	6.22	9.12	800-1000
HQL-ZT-7-1	7.13-7.54	7.11	101.6	6.48	6.22	9.53	800-1000
HQL-ZT-7-2	7.54-7.95	7.52	101.6	6.48	6.22	9.91	800-1000
HQL-ZT-7-3	7.95-8.33	7.92	101.6	7.24	6.48	10.31	800-1000
HQL-ZT-8-1	8.33-8.71	8.31	101.6	7.24	6.48	10.72	800-1000
HQL-ZT-8-2	8.71-9.11	8.69	101.6	7.24	6.48	11.1	800-1000
HQL-ZT-9-1	9.11-9.52	9.09	101.6	7.24	6.48	11.51	800-1000
HQL-ZT-9-2	9.52-9.90	9.5	112.7	8	6.48	12.7	800-1000
HQL-ZT-9-3	9.90-10.31	9.88	112.7	8	6.48	13.08	600

Swift-Chamfer

Replaceable Blade Chamfering Tool

A chamfering cutter with a replaceable blade through a small hole

Structure Drawing

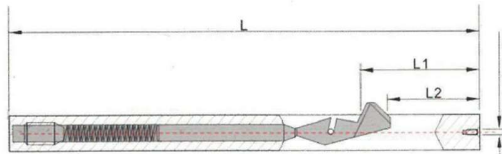


Standard Length

Item Code	Diameter	L	L2	L3	BLADE SIZE	RPM
HQL-FT-3	3	87.5	35	3.5	sv-1/8#	800-1000
HQL-FT-4	4	98	38	3.5	sv-1/8#	800-1000
HQL-FT-5	5	105	40	3.8	sv-3/16#	800-1000

Replaceable blade chamfering cutter

Structure Drawing



Standard Length

Item Code	Diameter	L	L2	Blade Size	RPM
HQL-FT-6	6	110	5	1#	800-1000
HQL-FT-7	7	110	5	1#	800-1000
HQL-FT-8	8	115	5	2#	800-1000
HQL-FT-9	9	127	5	3#	800-1000
HQL-FT-10	10	127	5	3#	800-1000
HQL-FT-11	11	127	5	3-1/2#	600
HQL-FT-12	12	127	5	3-1/2#	600
HQL-FT-13	13	127	10	3-1/2#	600
HQL-FT-14	14	140	10	4#	600
HQL-FT-15	15	140	10	4#	600
HQL-FT-16	16	155	10	4#	600
HQL-FT-17	17	155	10	4#	600
HQL-FT-18	18	155	10	4#	600
HQL-FT-19	19	180	10	4#	600



Replaceable blade chamfering cutter

Standard Length

Item Code	Diameter	L	L2	Blade Size	RPM
HQL-FT-20	20	180	10	5#	600
HQL-FT-21	21	180	10	5#	600
HQL-FT-22	22	180	10	5#	600
HQL-FT-23	23	180	10	5#	600
HQL-FT-24	24	180	10	5#	600
HQL-FT-25	25	180	10	5#	600

