



Specialty Tools for *Plastics*



Special tool steel has surface treated body, flute and point for maximum lubrication. Point is precision ground at 60° angle for gradual penetration to minimize cracking and chipping of plastic materials. 0° rake angle on the cutting edge eliminates grabbing as the drill penetrates through the plastic surfaces.



TOOL EXTENDER

SERIES 33-30

These extensions are designed to increase the overall reach of 3/8" and smaller router bits. These extensions are used mainly on CNC routers when routing three dimensional parts.



For extended reach.

PART #	EXT OAL	SHK DIA	SHK LENGTH	HEAD DIA	COLLET
33-30	5	3/8	4	1/2	ER8
33-32	6 ⁹ / ₁₆	1/2	5 ¹ / ₂	5/8	ER11
33-34	6 ¹ / ₄	5/8	5 ¹ / ₂	5/8	ER11
33-36	7	1/2	5 ¹ / ₂	7/8	ER16
33-38	6 ⁹ / ₁₆	3/4	5 ¹ / ₂	7/8	ER16



WRENCH

SERIES 33-40

Wrench to tighten ER extension collet nuts.

PART #	WRENCH
33-40	33-30
33-42	33-32/33-34
33-44	33-36/33-38



COLLET

SERIES 33-50

Collets for tool extender

PART #	COLLET SIZE	TYPE
33-50	1/8	ER8
33-51	1/8	ER11
33-52	3/16	ER11
33-53	1/4	ER11
33-54	1/8	ER16
33-55	3/16	ER16
33-56	1/4	ER16
33-57	3/16	ER16
33-58	3/8	ER16



PLASTIC DRILL WITH SPECIAL POINT

SERIES 70-500

PART #	CED	CEL	SHK DIA	OAL
70-502	1/8	1 ¹ / ₂	1/8	2 ³ / ₄
70-506	5/32	1 ¹⁵ / ₁₆	5/32	3 ¹ / ₈
70-510	3/16	2 ¹ / ₈	3/16	3 ¹ / ₂
70-514	1/4	2 ⁷ / ₁₆	1/4	4
70-520*	9/16	1 ³ / ₄	1/4	3 ¹ / ₈
70-524*	3/8	2 ¹ / ₄	1/4	4 ³ / ₈
70-528*	7/16	2 ¹ / ₂	1/4	4 ³ / ₄
70-532*	1/2	2 ⁵ / ₈	1/4	5 ¹ / ₈

* SHANK LENGTH 7/8

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CARBIDE TIPPED SAW AND ARBOR

SERIES 70-100

Carbide Tipped saws designed to trim and groove both hard and soft plastics. These saws run in conjunction with the saw arbors. Saws are reversible for right or left hand rotation cutting.



Soft Plastic - Slow Feed

PART #	CED	TEETH	RAKE	KERF	GRIND
70-100	2	10	0°	.095	TCG
70-102	2½	10	0°	.095	TCG
70-104	3	10	0°	.095	TCG
70-106	3½	10	0°	.095	TCG
70-108	4	10	0°	.095	TCG

Hard Plastic - Slow Feed

PART #	CED	TEETH	RAKE	KERF	GRIND
70-140	2	10	-5°	.095	TCG
70-142	2½	10	-5°	.095	TCG
70-144	3	10	-5°	.095	TCG
70-146	3½	10	-5°	.095	TCG
70-148	4	10	-5°	.095	TCG

Soft Plastic - Fast Feed

PART #	CED	TEETH	RAKE	KERF	GRIND
70-120	2	16	0°	.095	TCG
70-122	2½	20	0°	.095	TCG
70-124	3	20	0°	.095	TCG
70-126	3½	20	0°	.095	TCG
70-128	4	20	0°	.095	TCG

Hard Plastic - Fast Feed

PART #	CED	TEETH	RAKE	KERF	GRIND
70-160	2	16	-5°	.095	TCG
70-162	2½	20	-5°	.095	TCG
70-164	3	20	-5°	.095	TCG
70-166	3½	20	-5°	.095	TCG
70-168	4	20	-5°	.095	TCG

Saw Arbor

These saw arbors are designed to hold the carbide tipped saws.

PART #	SHK DIA	OAL
70-180	½	3¼
70-181	½	4½
70-182	5/8	3¼
70-184	¾	3¼



SOLID CARBIDE SAW FLUSH MOUNT

SERIES 70-200

Solid Carbide arbor mounted saws designed for trimming and slotting plastics. Saws are permanently attached to arbors.



PART #	CED	COLLAR	SHK DIA	KERF	OAL	ROTATION
70-202	1	9/16	3/8	.062	3¼	Right Hand
70-204	1	9/16	½	.062	4	Right Hand
70-206	1	9/16	3/8	.062	3¼	Left Hand
70-208	1	9/16	½	.062	4	Left Hand
70-222	1¼	5/8	3/8	.062	3¼	Right Hand
70-224	1¼	5/8	½	.062	4	Right Hand
70-226	1¼	5/8	3/8	.062	3¼	Left Hand
70-228	1¼	5/8	½	.062	4	Left Hand
70-232	1½	¾	3/8	.062	3¼	Right Hand
70-234	1½	¾	½	.062	4	Right Hand
70-236	1½	¾	3/8	.062	3¼	Left Hand
70-238	1½	¾	½	.062	4	Left Hand



CARBIDE TIPPED SAW FLUSH MOUNT

SERIES 70-300

Carbide Tipped saws designed for flush trimming and slotting of both hard and soft plastics. Saws are permanently attached to arbors.



PART #	CED	TEETH	RAKE	SHK DIA	KERF	OAL	GRIND	ROTATION	PLASTIC	FEED
70-300	2	10	0°	½	.095	4	TCG	RH	Soft	Slow
70-302	2	10	0°	½	.095	4	TCG	LH	Soft	Slow
70-320	2	16	0°	½	.095	4	TCG	RH	Soft	Fast
70-322	2	16	0°	½	.095	4	TCG	LH	Soft	Fast
70-340	2	10	-5°	½	.095	4	TCG	RH	Hard	Slow
70-342	2	10	-5°	½	.095	4	TCG	LH	Hard	Slow
70-360	2	16	-5°	½	.095	4	TCG	RH	Hard	Fast
70-362	2	16	-5°	½	.095	4	TCG	LH	Hard	Fast



800 Liberty Drive
Libertyville, IL 60048, U.S.A.

847-362-1560 • 800-234-1560

FAX: 847-362-5028

www.onsrud.com