

# Swaging Tools



### SWAGING TOOLS

- RIDGID® Swaging Tools are quality-made and zinc-plated for accuracy and durability.
- Set of four tools is packaged in handy vinyl pouch.
- Designed for copper, aluminum or brass tubing.
- Inch and metric sizes.

Catalog No.	Model No.	Description	Tube Size Capacity (actual O.D.)		Weight	
			in.	mm	lb.	kg
52420	570	Kit-4 Tools	-	-	1	0.45
52425	562	Swaging Tool	¼	6	⅛	0.06
52430	563	Swaging Tool	⅜	10	¼	0.11
52435	564	Swaging Tool	½	12	⅝	0.14
52440	565	Swaging Tool	⅝	16	½	0.23

# Flaring Tools



### PRECISION NON-RATCHETING FLARE TOOLS

- This precision tool provides smooth, uniform flares with minimum effort.
- Hardened steel flaring cone, eccentrically mounted in needs bearings, produces rolling action for even metal flow. Gives uniform flare walls without galling.
- Handle clutch releases when flare is complete to iron and smooth flare.
- Inch and metric sizes.

Catalog No.	Model No.	Description	Sizes	Weight	
				lb.	kg
41162	377	37° SAE Flares	⅜, ¼, ⅝, ⅜, ½, ⅝, ¾"	4	1.6
50257	458MM	45° SAE Flares	4, 4.75, 6, 8, 10, 12, 15, 16		

All flaring tools listed are recommended for soft materials such as aluminum and soft copper. Model 454W, Model 455 and Model 375 will also flare steel, stainless steel, hard copper and brass. Model 458R, Model 458MM and Model 377 will flare steel, stainless steel, hard copper, and brass thru wall thickness of .035 inches.

# Flaring Tools



### PRECISION RATCHETING FLARE TOOLS

- Through a wall thickness of 0.035" (0.9 mm).
- Ratcheting handle reduces effort required especially in confined areas
- Improves productivity
- Eccentrically mounting, hardened steel flaring cone
- Handle clutch releases when flare is complete to iron and smooth flare
- Produces 45° flare in sizes from 1/8" - 3/4"

#### Model 445R

Catalog No.	Model No.	Type	Sizes (in.)	Weight	
				lb.	kg
42153	445R	45° SAE Flares	1/4, 3/8, 1/2, 5/8, 3/4	3 3/10	1.5
83037	458R	45° SAE Flares	1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4	3 9/10	1.77
70677	456R	45° R410A Flares	1/4, 5/16, 3/8, 1/2, 5/8, 3/4	3 1/2	1.6



### 345 MANUAL FLARE TOOLS

- Model 345 is a precision designed tool for producing 45° flares in soft copper, brass, aluminum and mild steel tubing.
- A hardened, smooth cone provides fast, 45° flares either single or double lap.
- A single clamp screw allows easy clamping and removal of tubing.

Catalog No.	Model No.	Description	Sizes (in.)	Weight	
				lb.	kg
23332	345	45° SAE Flares	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8	2 3/4	1.2
23337	345-DL	45° SAE-(double flares)	Above w/adapters for double lap flares; 3/16, 1/4, 5/16, 3/8, 7/16, 1/2 O.D. Tubing	3	1.3
24797	345/150	45° SAE-(double flares)	No. 345 w/No. 150 Tubing Cutter and Case Kit	3 1/2	1.6
33927	345/150DL	45° SAE Flares	No. 345/DL w/No. 150 Tubing Cutter and Case Kit		
31597	-	-	3/16" Double Lap Adapter		
31602	-	-	1/4" Double Lap Adapter		
31607	-	-	5/16" Double Lap Adapter		
31612	-	-	3/8" Double Lap Adapter		
31617	-	-	1/2" Double Lap Adapter		
31502	-	Case Only	-		

# Flaring Tools



### HEAVY DUTY FLARE TOOLS

- Also, flares steel, stainless steel, hard copper and brass.
- This precision tool provides smooth, uniform flares with minimum effort
- Hardened steel flaring cone, eccentrically mounted in needle bearings, produces rolling action for even metal flow. Gives uniform flare walls without galling.
- Special ironing features ensures a smooth flare.

Catalog No.	Model No.	Description	Sizes	Weight	
			in.	lb.	kg
41285	375	37° SAE Flares	1/2, 3/8, 3/4, 7/8, 1	6 3/4	3.1
41295	454-W	45° SAE- Nominal Water Tube	3/8, 1/2, 3/4, 1	6 1/4	2.8
41300	455	45° SAE Flares	1/2, 5/8, 3/4, 7/8, 1	6 3/4	3.1



### HAMMER-TYPE FLARING TOOLS

- Made of high-grade, hardened steel, these tools have a long nose guide that centers tools for smooth, 45° uniform flares.

Catalog No.	Model No.	Water Tube Size	Water Tube Size	Weight	
		in.	mm	lb.	kg
41315	E-37	3/8	9	3/16	0.1
41320	E-45	1/2	12	1/4	0.2
41325	E-46	5/8	16	3/8	0.2
41330	E-47	3/4	19	1/2	0.3
41335	E-52	1	25	3/4	0.5
41340	E-61	1 1/4	31	1	0.7
41345	E-63	1 1/2	37	1 1/2	1
41350	E-64	2	50	2 1/2	1

# Hydraulic Benders



### HYDRAULIC BENDERS - TIP-UP WING

- Manual benders are ideal for precision cold bending standard gas pipes up to 3". Versatile, portable benders are ideal for on-site bending, as well as machine construction, boiler making and industrial applications.
- Durable piston seals prevent premature leaks and maximize uptime.
- Longer cylinder stroke per pump and optimized hand force minimizes operator fatigue.
- Bending angle indicators reduce starts, stops and pipe removal to take measurements.
- Single circuit hydraulic system with return spring for better control of the ram and precise bending.
- Pressure relief valve protects the hydraulic system from over-pressurization.
- Supplied in a wooden case and delivered with a set of bending formers for standard gas pipe applications and corner supports.
- Offers the advantage of extra rigidity during the bending process.
- Ideal for on-site applications.

#### Manually Operated

Catalog No.	Model No.	Description	Capacity (O.D.)	Weight	
			in.	lb.	kg
36518	HB382	HB382 Tip-Up Wing Bender (Manual)	3/8 - 2	158	72
36523	HB383	HB383 Tip-Up Wing Bender (Manual)	3/8 - 3	344	156