

REPLACEABLE TIP PLIERS

REPLACEABLE TIP PLIERS WITH SPRINGS AND GRIPS FOR 3/8" TO 2" RINGS

- One tool handles different size rings by changing tips.
- Spring return.
- Cushion grips.
- Kits feature internal and external pliers with 8 pairs of tips – 2 tools take the place of 16 different pliers!
- Precision-ground replaceable tips also available separately in 0°, 45° and 90° offsets and 4 different tip diameters

IR-44K SAE KIT

- Two replaceable tip pliers (internal and external) with tip kit IR-8TK (8 pairs).
- Reusable plastic storage case.

IR-44MK HANG CARD KIT - SAE AND METRIC

- Two replaceable tip pliers (internal and external) with SAE and METRIC size tip kit IR-184TK (8 pairs).
- Hang card with instructions and ring sizes.
- Reusable plastic storage case.

For replacement tips and tip kits, see page 68
For shaft/bore diameter and ring series reference, see page 72

PART NO.	DESCRIPTION	TYPE	
		Int. (Housing)	Ext. (Shaft)
IR-44K	SAE Kit includes (1) Internal Pliers, (1) External Pliers & IR-8TK Tip Kit (8 pairs) in reusable plastic storage case	•	•
IR-44MK	SAE & METRIC Kit includes (1) Internal Pliers, (1) External Pliers, IR-184TK SAE & METRIC Tip Kit (8 pairs) with hang card instructions in reusable plastic storage case.	•	•
IR-44H	Internal Pliers & IR-182TK Tip Kit (4 pairs)	•	
IR-44S	External Pliers & IR-182TK Tip Kit (4 pairs)		•



SAE Tip kit with 8 pairs of SAE tips

IR-44K



SAE and Metric Tip Kit with 8 pairs of tips SAE & METRIC HANG CARD KIT

IR-44MK

Conforms to ASME Standard B107.500-2010



IR-44H

THE PROFESSIONAL'S CHOICE FOR INTERMEDIATE SIZE 1-1/2" TO 4" RINGS

IR-50K HEAVY DUTY PLIERS SET

- Two replaceable tip pliers (internal and external) with 8 pairs of tips take the place of 16 separate pliers!
- Spring ratchet lock mechanism minimizes fatigue by allowing the ring to be compressed or expanded through gradual moves and then locked at a desired size without continued pressure on the handles. Heavy and large rings are safely and easily controlled.
- Tips mount directly to pliers for maximum stability.
- Spring return.
- Cushion grips.

For replacement tips and tip kits, see page 68
For shaft/bore diameter and ring series reference, see page 72

PART NO.	DESCRIPTION
IR-50K	Kit includes (1) IR-50H heavy duty internal pliers, (1) IR-50S heavy duty external pliers and (8) pair tips in custom-molded storage case.
IR-50H	Internal pliers only – without tips
IR-50S	External pliers only – without tips



IR-50K

High carbon, hardened steel for durability and strength

Black oxide finish resists rust and corrosion



IR-50H (Shown with tips installed)

Ratchet Lock

RETAINING RING PLIERS REFERENCE GUIDE

PART NO.	DESCRIPTION	TIP DIA. (in.)	TIP ANGLE	RING TYPE		TIP STYLE		GRIPS	SPRING	STOP	RATCHET LOCK	MILBAR® REF#
				Int. (Housing)	Ext. (Shaft)	FIXED	REPLACE.					
CONVERTIBLE PLIERS												
IR-3818C	CAM-LOCK™ Convertible	.038	18°	•	•	•	•	•	•			120418R
IR-3890C	CAM-LOCK™ Convertible	.038	90°	•	•	•	•	•	•			120490R
IR-4718C	CAM-LOCK™ Convertible	.047	18°	•	•	•	•	•	•			320418R
IR-4790C	CAM-LOCK™ Convertible	.047	90°	•	•	•	•	•	•			320490R
IR-7018C	CAM-LOCK™ Convertible	.070	18°	•	•	•	•	•	•			340418R
IR-7090C	CAM-LOCK™ Convertible	.070	90°	•	•	•	•	•	•			340490R
IR-4CK	4-pc. CAM-LOCK™ Kit w/Storage Tray	.038, .070	18°, 90°	•	•	•	•	•	•			4304R
IR-6CK	6-pc. CAM-LOCK™ Kit w/Storage Case	.038, .047, .070	18°, 90°	•	•	•	•	•	•			4306R
IR-38Q	Qtr-Turn® Convertible	.038	0°	•	•	•	•	•	•			1202R
IR-3845Q	Qtr-Turn® Convertible	.038	45°	•	•	•	•	•	•			120245R
IR-3890Q	Qtr-Turn® Convertible	.038	90°	•	•	•	•	•	•			120290R
IR-47Q	Qtr-Turn® Convertible	.047	0°	•	•	•	•	•	•			3202R
IR-4745Q	Qtr-Turn® Convertible	.047	45°	•	•	•	•	•	•			320245R
IR-4790Q	Qtr-Turn® Convertible	.047	90°	•	•	•	•	•	•			320290R
IR-70Q	Qtr-Turn® Convertible	.070	0°	•	•	•	•	•	•			3402R
IR-7045Q	Qtr-Turn® Convertible	.070	45°	•	•	•	•	•	•			340245R
IR-7090Q	Qtr-Turn® Convertible	.070	90°	•	•	•	•	•	•			340290R
IR-90Q	Qtr-Turn® Convertible	.090	0°	•	•	•	•	•	•			5602R
IR-9045Q	Qtr-Turn® Convertible	.090	45°	•	•	•	•	•	•			560245R
IR-9090Q	Qtr-Turn® Convertible	.090	90°	•	•	•	•	•	•			560290R
IR-12QK	Qtr-Turn® 12-Pc. Kit (1 ea size) w/Storage Case.	.038, .047, .070, .090	0°, 45°, 90°	•	•	•	•	•	•			1225R
IR-6QK	Qtr-Turn® 6-Pc. Kit w/Storage Case	.038, .047, .070	0°, 90°	•	•	•	•	•	•			625R
IR-38	Standard Convertible (NSN 5120-00-089-0874)	.038	0°	•	•	•	•	•	•			12R
IR-3845	Standard Convertible (NSN 5120-00-930-9186)	.038	45°	•	•	•	•	•	•			1245R
IR-3890	Standard Convertible	.038	90°	•	•	•	•	•	•			1290R
IR-47	Standard Convertible	.047	0°	•	•	•	•	•	•			32R
IR-4745	Standard Convertible	.047	45°	•	•	•	•	•	•			3245R
IR-4790	Standard Convertible	.047	90°	•	•	•	•	•	•			3290R
IR-70	Standard Convertible	.070	0°	•	•	•	•	•	•			34R
IR-7045	Standard Convertible	.070	45°	•	•	•	•	•	•			3445R
IR-7090	Standard Convertible	.070	90°	•	•	•	•	•	•			3490R
IR-90	Standard Convertible	.090	0°	•	•	•	•	•	•			56R
IR-9045	Standard Convertible	.090	45°	•	•	•	•	•	•			5645R
IR-9090	Standard Convertible	.090	90°	•	•	•	•	•	•			5690R
IR-12K	12-Pc. Professional Std. Conv. Kit w/Storage Case	.038, .047, .070, .090	0°, 45°, 90°	•	•	•	•	•	•			43R
IR-045K	6-Pc. Std. Conv. Kit w/Custom Molded Storage Case	.038, .047, .070	0°, 45°	•	•	•	•	•	•			4645R
IR-090K	6-Pc. Std. Conv. Kit w/Custom Molded Storage Case	.038, .047, .070	0°, 90°	•	•	•	•	•	•			4690R
IR-47700K	2-Pc. Std. Conv. Kit in Plastic Case	.047, .070	0°	•	•	•	•	•	•			42R
IR-477045K	2-Pc. Std. Conv. Kit in Plastic Case	.047, .070	45°	•	•	•	•	•	•			4245R
IR-477090K	2-Pc. Std. Conv. Kit in Plastic Case	.047, .070	90°	•	•	•	•	•	•			4290R
IR-6CKCASE	Custom Molded Storage Case for 6-Pc. CAM-LOCK™ Kit											4601R
IR-12KCASE	Custom Molded Storage Case for 12-Pc. Standard Kit											4301R
IR-12QKCASE	Custom Molded Storage Case for 12-Pc. Qtr-Turn® Kit											4301R
IR-6QKCASE	Custom Molded Storage Case for 6-Pc. Qtr-Turn® Kit											4601R
IR-6KCASE	Custom Molded Storage Case for 6-Pc. Standard Kit											4601R
REPLACEABLE TIP PLIERS												
IR-120S	Large, Ratchet Lock	.120	0°	•	•	•	•	•	•			8R
IR-120H	Large, Ratchet Lock	.120	0°	•	•	•	•	•	•			7R
IR-12045S	Large, Ratchet Lock	.120	45°	•	•	•	•	•	•			845R
IR-12045H	Large, Ratchet Lock	.120	45°	•	•	•	•	•	•			745R
IR-12090S	Large, Ratchet Lock	.120	90°	•	•	•	•	•	•			890R
IR-12090H	Large, Ratchet Lock	.120	90°	•	•	•	•	•	•			790R
IR-150H	Extra Large, Ratchet Lock	.150	0°	•	•	•	•	•	•			71R
IR-15045H	Extra Large, Ratchet Lock	.150	45°	•	•	•	•	•	•			7145R
IR-15090H	Extra Large, Ratchet Lock	.150	90°	•	•	•	•	•	•			7190R
IR-170S	Extra Large, Ratchet Lock	.170	0°	•	•	•	•	•	•			68R
IR-17045S	Extra Large, Ratchet Lock	.170	45°	•	•	•	•	•	•			6845R
IR-17090S	Extra Large, Ratchet Lock	.170	90°	•	•	•	•	•	•			6890R
IR-44S	External Pliers, Replaceable Tip	.038, .047, .070	0°, 45°, 90°	•	•	•	•	•	•			4460R
IR-44H	Internal Pliers, Replaceable Tip	.038, .047, .070	0°, 45°, 90°	•	•	•	•	•	•			4450R
IR-44K	Replaceable Tip Retaining Ring Pliers, Kit (2 pr. pliers, tip kit)	.038, .047, .070	0°, 15°, 45°, 90°	•	•	•	•	•	•			4440R
IR-44MK	SAE & Metric Kit, Hang Card (2 pr. pliers, tip kit)	.038, .047, .070, .093	0°, 15°, 45°, 90°	•	•	•	•	•	•			44R
IR-50S	Heavy Duty External Pliers			•	•	•	•	•	•			28R08
IR-50H	Heavy Duty Internal Pliers			•	•	•	•	•	•			27R08
IR-50K	Heavy Duty Retaining Ring Pliers (2 pr. pliers, tip kit & storage case)	.108, .120	0°, 15°, 45°, 90°	•	•	•	•	•	•			50R
INDUSTRIAL PLIERS												
IR-230S	Mini Industrial, Shielded (NSN 5120-00-595-9550)	.023	0°	•	•	•	•	•	•			0012R
IR-0015R	Mini Industrial, Shielded (NSN 5120-00-595-9548)	.023	0°	•	•	•	•	•	•			0015R
IR-0018R	Mini Industrial, Shielded (NSN 5120-00-288-9711)	.023	0°	•	•	•	•	•	•			0018R
IR-2124R	Mini Industrial (NSN 5120-00-892-4890)	.023	45°	•	•	•	•	•	•			2124R
IR-2154R	Mini Industrial	.023	45°	•	•	•	•	•	•			2154R

SHAFT/BORE DIAMETER & RING SERIES REFERENCE

FIXED TIP PLIERS												
	PLIERS PART NO. / TIP ANGLE			TIP SIZE (in.)	SHAFT DIAMETER (in.)	HOUSING/BORE DIAMETER (in.)	RETAINING RING MFG / RING SERIES					
	0°	45°	90°				ROTOR CLIP®	TRUARC®	DASH NO.			
MINI	IR-230S	IR-2124R	IR-2129R	.023	.125		SH, BSH, VSH	5100, 5101, 5102	-12			
	IR-0015R	IR-2154R	IR-2159R		.156				-15			
	IR-0018R	IR-2184R	IR-2189R		.188 to .236				-18 thru -31			
	R-250H	IR-2545H	IR-2590H	.025		.250 to .312	HO, BHO, VHO	N5000, N5001, N5002	-25 thru -31			
INDUSTRIAL	IR-380H	IR-3845H	IR-3890H	.038		.375 to 1.023	HO, BHO, VHO	N5000, N5001, N5002	-37 thru -102			
	IR-380S	IR-3845S	IR-3890S	.038	.250 to .875		SH, BSH, VSH	5100, 5101, 5102	-25 thru -87			
					.500 to 1.0				SHI	5108	-50 thru -100	
					.125 to .250				SHF	5555	-12 thru -25	
	IR-470H	IR-4745H		.047		.625 - 1.023		HO, BHO	N5000, N5001	-62 thru -102		
						1 - 1.023				VHO	N5002	-100 thru -102
						1.062 - 1.375				HOI	5008	-106 thru -137
	IR-470S	IR-4745S	IR-4790S	.047		.687 - .875		SH, BSH	5100, 5101	-68 thru -87		
						.812 - 1				SHI	5108	-81 thru 100
										SHF	5555	-.31, -.37
	IR-700H	IR-7045H	IR-7090H	.070		1.062 to 1.750		HO, BHO, VHO	N5000, N5001, N5002	-106 thru -175		
						1.437 to 2.000				HOI	5008	-143 thru -200
	IR-700S	IR-7045S	IR-7090S	.070		.938 to 1.438		SH, BSH, VSH	5100, 5101, 5102	-93 thru -143		
						1.062 to 2.000				SHI	5108	-106 thru -200
						.312 to .625				SHF	5555	-31 thru -62
	IR-900H	IR-9045H	IR-9090H	.090		1.812 to 3.500		HO, VHO	N5000, N5002	-181 thru -350		
2 to 3						HOI				5008	-200 thru -300	
IR-1150S		IR-11590S	.115		1.500 to 3.500		SH, BSH, VSH	5100, 5101, 5102	-150 thru -350			
					2.125 to 3.25				SHI	5108	-215 thru -325	
					.750				SHF	5555	-75	
UTILITY	IR-250HU	IR-2545HU	IR-2590HU	.025		.250 to .312	HO, BHO, VHO	N5000, N5001, N5002	-25 thru -31			
	IR-380HU	IR-3845HU	IR-3890HU	.038		.375 to 1.023	HO, BHO, VHO	N5000, N5001, N5002	-37 thru -102			
						.750 to 1.375			HOI	5008	-75 thru -137	
									SH, BSH, VSH	5100, 5101, 5102	-25 thru -87	
	IR-380SU	IR-3845SU	IR-3890SU	.038		.250 to .875		SHI	5108	-50 thru -100		
						.500 to 1.0				SHF	5555	-12 thru -25
						.125 to .250						
	IR-470HU	IR-4745HU	IR-4790HU	.047		.625 - 1.023		HO, BHO	N5000, N5001	-62 thru -102		
						1 - 1.023				VHO	N5002	-100 thru -102
						1.062 - 1.375				HOI	5008	-106 thru -137
	IR-470SU	IR-4745SU	IR-4790SU	.047		.687 - .875		SH, BSH	5100, 5101	-68 thru -87		
						.812 - 1				SHI	5108	-81 thru 100
						.312, .375				SHF	5555	-.31, -.37
	IR-700HU	IR-7045HU	IR-7090HU	.070		1.062 to 1.750		HO, BHO, VHO	N5000, N5001, N5002	-106 thru -175		
						1.437 to 2.000				HOI	5008	-143 thru -200
	IR-700SU	IR-7045SU	IR-7090SU	.070		.938 to 1.438		SH, BSH, VSH	5100, 5101, 5102	-93 thru -143		
1.062 to 2.000						SHI				5108	-106 thru -200	
.312 to .625						SHF				5555	-37 thru -62	
IR-90HU		IR-9090HU	.090		1.812 to 3.500		HO, VHO	N5000, N5002	-181 thru -350			
					2 to 3				HOI	5008	-200 thru -300	
IR-1150SU	IR-11545SU		.115		1.500 to 3.500		SH, BSH, VSH	5100, 5101, 5102	-150 thru -350			
					2.125 to 3.25				SHI	5108	-215 thru -325	
					.750				SHF	5555	-75	
REPLACEABLE TIP PLIERS												
SMALL	IR-44K KIT	IR-44H				.375 to 1.750	HO, BHO, VHO	N5000, N5001, N5002	-37 thru -175			
						.750 to 2			HOI	5008	-75 thru -200	
HEAVY DUTY	IR-50K KIT	IR-50H		.108		2.438 to 3.125	HO, VHO	N5000, N5002	-244 thru -312			
						2.625 to 3			HOI	5008	-262 thru -300	
						3.156 to 4.250			HO, VHO	N5000, N5002	-315 thru -425	
						3.156 to 4			HOI	5008	-315 thru -400	
EXTRA LARGE	IR-120H	IR-12045H	IR-12090H	.120			SH	5100	-150 thru -350			
									.108	BSH	5101	-150 thru -175
										SHI	5108	-215 thru -350
										SH	5100	-156 thru -375
									.120	SHI	5108	-350 thru -393
3.500 to 3.939												
LARGE	IR-120S	IR-12045S	IR-12090S	.120		3.062 to 6	HO	N5000	-306 thru -600			
						3.156 to 4			HOI	5008	-315 thru -400	
EXTRA LARGE	IR-150H	IR-15045H	IR-15090H	.150		3.543 to 6.500	SH	5100	-354 thru -650			
						3.500 to 4			SHI	5108	-350 thru -400	
EXTRA LARGE	IR-170S	IR-17045S	IR-17090S	.170		6.250 to 10	HO, VHO	N5000, N5002	-625 thru -1000			
									SH, VSH	5100, 5102	-675 thru -950	

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