

# SHAFT/BORE DIAMETER & RING SERIES REFERENCE

CONVERTIBLE 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.
FIXED TIPS	IR-38Q IR-3818C IR-38	IR-3845Q IR-3845	IR-3890Q IR-3890C IR-3890	.038	.250 to .672		SH, BSH	5100, 5101	-25 thru -66
					.500 to .781		SHI	5108	-50 thru -78
					.125 to .250		SHF	5555	-12 thru -25
						.375 to .562	HO, BHO	N5000, N5001	-37 thru -56
					.750 to 1	HOI	5008	-75 thru -100	
	IR-47Q IR-4718C IR-47	IR-4745Q IR-4745	IR-4790Q IR-4790C IR-4790	.047	.687 to .875		SH, BSH	5100, 5101	-68 thru -87
					.812 to 1		SHI	5108	-81 thru -100
					.312, .375		SHF	5555	-31, -37
						.625 to 1.023	HO, BHO	N5000, N5001	-62 thru -102
						1 to 1.023	VHO	N5002	-100 thru -102
						1.062 to 1.375	HOI	5008	-106 thru -137
	IR-70Q IR-7018C IR-70	IR-7045Q IR-7045	IR-7090Q IR-7090C IR-7090	.070	.938 to 1.438		SH, BSH	5100, 5101	-93 thru -143
					1 to 1.438		VSH	5102	-100 thru -143
					1.062 to 2		SHI	5108	-106 thru -200
					.438 to .750		SHF	5555	-43 thru -75
						1.062 to 1.75	HO, BHO, VHO	N5000, N5001, N5002	-106 thru -175
		1.438 to 2	HOI	5008	-143 thru -200				
	IR-90Q IR-90	IR-9045Q IR-9045	IR-9090Q IR-9090	.090	1.5 to 3.5		SH, VSH	5100, 5102	-150 thru -350
					1.5 to 1.75		BSH	5101	-150 thru -175
					2.156 to 3.25		SHI	5108	-215 thru -325
					1.812 to 3	HO, VHO	N5000, N5002	-181 thru -300	
					2.062 to 3	HOI	5008	-206 thru -300	
UNIVERSAL CONVERTIBLE PLIERS									
REPLACEABLE TIPS	IR-94		IR-94	.024	.125		SH	5100	-12
					.156		BSH	5101	-15
					.188 to .236		VSH	5102	-18 thru -23
						.250 to .312	HO, BHO, VHO	N5000, N5001, N5002	-25 thru -31
	IR-94 IR-92		IR-94 IR-92	.038	.250 to .672		SH, BSH	5100, 5101	-25 thru -66
					.500 to .781		SHI	5108	-50 thru -78
					.125 to .250		SHF	5555	-12 thru -25
						.375 to .562	HO, BHO	N5000, N5001	-37 thru -56
						.750 to 1	HOI	5008	-75 thru -100
	IR-94 IR-92		IR-94 IR-92	.047	.687 to .875		SH, BSH	5100, 5101	-68 thru -87
					.812 to 1		SHI	5108	-81 thru -100
					.312, .375		SHF	5555	-31, -37
						.625 to 1.023	HO, BHO	N5000, N5001	-62 thru -102
						1 to 1.023	VHO	N5002	-100 thru -102
						1.062 to 1.375	HOI	5008	-106 thru -137
	IR-92		IR-92	.070	.938 to 1.438		SH, BSH	5100, 5101	-93 thru -143
					1 to 1.438		VSH	5102	-100 thru -143
					1.062 to 2		SHI	5108	-106 thru -200
					.438 to .750		SHF	5555	-43 thru -75
						1.062 to 1.75	HO, BHO, VHO	N5000, N5001, N5002	-106 thru -175
	1.438 to 2	HOI	5008	-143 thru -200					

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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.	
<b>MINI</b>	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 -23	
<b>INDUSTRIAL</b>	IR-250H	IR-2545H	IR-2590H	.025		.250 to .312	HO, BHO, VHO	N5000, N5001, N5002	-25 thru -31	
	IR-380H	IR-3845H	IR-3890H	.038		.375 to 1.023	HO, BHO, VHO	N5000, N5001, N5002	-37 thru -102	
						.750 to 1.375	HOI	5008	-75 thru -137	
	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	IR-4790H	.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	
						.312, .375	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-11545S	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		
<b>UTILITY</b>	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	
	IR-380SU	IR-3845SU	IR-3890SU	.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-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-9045HU	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	IR-11590SU	.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		
<b>REPLACEABLE TIP PLIERS</b>										
<b>SMALL</b>	IR-44K KIT	IR-44H				.375 to 1.750	HO, BHO, VHO	N5000, N5001, N5002	-37 thru -175	
		IR-44S				.750 to 2	HOI	5008	-75 thru -200	
<b>HEAVY DUTY</b>	IR-50K KIT	IR-50H				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	
		IR-50S						SH	5100	-150 thru -350
								BSH	5101	-150 thru -175
								SHI	5108	-215 thru -350
								SH	5100	-156 thru -375
<b>LARGE</b>	IR-120H	IR-12045H	IR-12090H	.120		3.062 to 6	HO	N5000	-306 thru -600	
						3.156 to 4	HOI	5008	-315 thru -400	
	IR-120S	IR-12045S	IR-12090S	.120		3.543 to 6.500	SH	5100	-354 thru -650	
						3.500 to 4	SHI	5108	-350 thru -400	
<b>EXTRA LARGE</b>	IR-150H	IR-15045H	IR-15090H	.150		6.250 to 10	HO, VHO	N5000, N5002	-625 thru -1000	
	IR-170S	IR-17045S	IR-17090S	.170		6.750 to 9.500	SH, VSH	5100, 5102	-675 thru -950	

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