

INDUSTRIAL AND UTILITY PLIERS

INDUSTRIAL FIXED TIP PLIERS WITH SPRING, STOP & GRIPS* FOR 1/8" TO 3-1/2" RINGS

For shaft/bore diameter and ring series reference, see page 72.

| PART NO. | NSN 5120- | TIP DIA. (in.) | TIP ANGLE | TYPE | | NOM. LENGTH (in.) |
|--------------|-----------|----------------|-----------|----------------|--------------|-------------------|
| | | | | Int. (Housing) | Ext. (Shaft) | |
| Mini Pliers: | | | | | | |
| IR-230S** | 595-9550 | .023 | 0° | | • | 5-1/4 |
| IR-0015R** | 595-9548 | .023 | 0° | | • | 5-1/4 |
| IR-0018R** | 288-9711 | .023 | 0° | | • | 5-1/4 |
| IR-2124R | 892-4890 | .023 | 45° | | • | 5-1/4 |
| IR-2154R | | .023 | 45° | | • | 5-1/4 |
| IR-2184R | 024-9527 | .023 | 45° | | • | 5-1/4 |
| IR-2129R | | .023 | 90° | | • | 5-1/4 |
| IR-2159R | | .023 | 90° | | • | 5-1/4 |
| IR-2189R | 024-9528 | .023 | 90° | | • | 5-1/4 |
| IR-250H | 596-8665 | .025 | 0° | • | | 5-1/2 |
| IR-2545H | | .025 | 45° | • | | 5-1/2 |
| IR-2590H | 024-9531 | .025 | 90° | • | | 5-1/2 |
| IR-380H | 293-0048 | .038 | 0° | • | | 5-1/2 |
| IR-3845H | | .038 | 45° | • | | 5-1/2 |
| IR-3890H | | .038 | 90° | • | | 5-1/2 |
| IR-380S | 288-9717 | .038 | 0° | | • | 6-1/4 |
| IR-3845S | 288-9716 | .038 | 45° | | • | 6-1/4 |
| IR-3890S | 408-1434 | .038 | 90° | | • | 6-1/4 |
| IR-470H | | .047 | 0° | • | | 5-1/2 |
| IR-4745H | | .047 | 45° | • | | 5-1/2 |
| IR-470S | | .047 | 0° | | • | 5-3/4 |
| IR-4745S | | .047 | 45° | | • | 5-3/4 |
| IR-4790S | | .047 | 90° | | • | 5-3/4 |
| IR-700H | 293-0045 | .070 | 0° | • | | 6-1/2 |
| IR-7045H | 801-0957 | .070 | 45° | • | | 6-1/2 |
| IR-7090H | 595-9532 | .070 | 90° | • | | 6-1/2 |
| IR-700S | 293-0049 | .070 | 0° | | • | 7 |
| IR-7045S | 640-6352 | .070 | 45° | | • | 7 |
| IR-7090S | 024-9529 | .070 | 90° | | • | 7 |
| IR-900H | 293-0046 | .090 | 0° | • | | 9 |
| IR-9045H | 520-9863 | .090 | 45° | • | | 9 |
| IR-9090H | 602-4845 | .090 | 90° | • | | 9 |
| IR-1150S | 293-0047 | .115 | 0° | | • | 9-1/4 |
| IR-11590S | 892-5919 | .115 | 90° | | • | 9-1/4 |

*Minis do not have a stop and grips. Models IR-1150S and IR-11590S are furnished with spring and grip, but no stop.
**Shielded

UTILITY FIXED TIP PLIERS WITHOUT SPRING, STOP AND GRIPS FOR 1/8" TO 3-1/2" RINGS

For shaft/bore diameter and ring series reference, see page 72

| PART NO. | NSN 5120- | TIP DIA. (in.) | TIP ANGLE | TYPE | | NOM. LENGTH (in.) |
|-----------|-----------|----------------|-----------|----------------|--------------|-------------------|
| | | | | Int. (Housing) | Ext. (Shaft) | |
| IR-250HU | 596-1106 | .025 | 0° | • | | 5-1/2 |
| IR-2545HU | 640-6357 | .025 | 45° | • | | 5-1/2 |
| IR-2590HU | | .025 | 90° | • | | 5-1/2 |
| IR-380HU | 293-2514 | .038 | 0° | • | | 5-1/2 |
| IR-3845HU | 640-6356 | .038 | 45° | • | | 5-1/2 |
| IR-3890HU | | .038 | 90° | • | | 5-1/2 |
| IR-380SU | 292-2513 | .038 | 0° | | • | 6-1/4 |
| IR-3845SU | 640-6353 | .038 | 45° | | • | 6-1/4 |
| IR-3890SU | 752-9755 | .038 | 90° | | • | 6-1/4 |
| IR-470HU | | .047 | 0° | • | | 5-1/2 |
| IR-4745HU | | .047 | 45° | • | | 5-1/2 |
| IR-4790HU | | .047 | 90° | • | | 5-1/2 |

| PART NO. | NSN 5120- | TIP DIA. (in.) | TIP ANGLE | TYPE | | NOM. LENGTH (in.) |
|------------|-----------|----------------|-----------|----------------|--------------|-------------------|
| | | | | Int. (Housing) | Ext. (Shaft) | |
| IR-4745SU | | .047 | 45° | | • | 5-3/4 |
| IR-4790SU | | .047 | 90° | | • | 5-3/4 |
| IR-700HU | 596-0711 | .070 | 0° | • | | 6-1/2 |
| IR-7045HU | 640-6355 | .070 | 45° | • | | 6-1/2 |
| IR-7090HU | | .070 | 90° | • | | 6-1/2 |
| IR-700SU | 595-9555 | .070 | 0° | | • | 7 |
| IR-7045SU | 640-6352 | .070 | 45° | | • | 7 |
| IR-7090SU | | .070 | 90° | | • | 7 |
| IR-90HU | 595-0554 | .090 | 0° | • | | 9 |
| IR-9090HU | 793-5052 | .090 | 90° | • | | 9 |
| IR-1150SU | 293-0044 | .115 | 0° | | • | 9-1/4 |
| IR-11545SU | | .115 | 45° | | • | 9-1/4 |



IR-380S



IR-380H



IR-380S

0.023" tip diameter Mini Pliers feature spring return and shield to prevent over-expansion of delicate 1/8" – 15/64" rings.



IR-230S MINI



IR-380HU

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. | | | | | |
| INDUSTRIAL PLIERS | | | | | | | | | | | | |
| IR-2184R | Mini Industrial (NSN 5120-00-024-9527) | .023 | 45° | | • | • | | | • | | | 2184R |
| IR-2129R | Mini Industrial | .023 | 90° | | • | • | | | • | | | 2129R |
| IR-2159R | Mini Industrial | .023 | 90° | | • | • | | | • | | | 2159R |
| IR-2189R | Mini Industrial (NSN 5120-00-024-9528) | .023 | 90° | | • | • | | | • | | | 2189R |
| IR-250H | Industrial Pliers (NSN 5120-00-596-8665) | .025 | 0° | • | | • | | • | • | • | | 101R |
| IR-2545H | Industrial Pliers | .025 | 45° | • | | • | | • | • | • | | 10145R |
| IR-2590H | Industrial Pliers (NSN 5120-00-024-9531) | .025 | 90° | • | | • | | • | • | • | | 10190R |
| IR-380S | Industrial Pliers (NSN 5120-00-288-9717) | .038 | 0° | | • | • | | • | • | • | | 2R |
| IR-380H | Industrial Pliers (NSN 5120-00-293-0048) | .038 | 0° | • | | • | | • | • | • | | 1R |
| IR-3845S | Industrial Pliers (NSN 5120-00-288-9716) | .038 | 45° | | • | • | | • | • | • | | 245R |
| IR-3845H | Industrial Pliers | .038 | 45° | • | | • | | • | • | • | | 145R |
| IR-3890S | Industrial Pliers (NSN 5120-00-408-1434) | .038 | 90° | | • | • | | • | • | • | | 290R |
| IR-3890H | Industrial Pliers | .038 | 90° | • | | • | | • | • | • | | 190R |
| IR-470S | Industrial Pliers | .047 | 0° | | • | • | | • | • | • | | 202R |
| IR-470H | Industrial Pliers | .047 | 0° | • | | • | | • | • | • | | 102R |
| IR-4745S | Industrial Pliers | .047 | 45° | | • | • | | • | • | • | | 20245R |
| IR-4745H | Industrial Pliers | .047 | 45° | • | | • | | • | • | • | | 10245R |
| IR-4790S | Industrial Pliers | .047 | 90° | | • | • | | • | • | • | | 20290R |
| IR-700S | Industrial Pliers (NSN 5120-00-293-0049) | .070 | 0° | | • | • | | • | • | • | | 4R |
| IR-700H | Industrial Pliers (NSN 5120-00-293-0045) | .070 | 0° | • | | • | | • | • | • | | 3R |
| IR-7045S | Industrial Pliers (NSN 5120-00-640-6352) | .070 | 45° | | • | • | | • | • | • | | 445R |
| IR-7045H | Industrial Pliers (NSN 5120-00-801-0957) | .070 | 45° | • | | • | | • | • | • | | 345R |
| IR-7090S | Industrial Pliers (NSN 5120-00-024-9529) | .070 | 90° | | • | • | | • | • | • | | 490R |
| IR-7090H | Industrial Pliers (NSN 5120-00-595-9532) | .070 | 90° | • | | • | | • | • | • | | 390R |
| IR-900H | Industrial Pliers (NSN 5120-00-293-0046) | .090 | 0° | • | | • | | • | • | • | | 5R |
| IR-9045H | Industrial Pliers (NSN 5120-00-520-9863) | .090 | 45° | • | | • | | • | • | • | | 545R |
| IR-9090H | Industrial Pliers (NSN 5120-00-602-4845) | .090 | 90° | • | | • | | • | • | • | | 590R |
| IR-1150S | Industrial Pliers (NSN 5120-00-293-0047) | .115 | 0° | | • | • | | • | • | • | | 66R |
| IR-11590S | Industrial Pliers (NSN 5120-00-892-5919) | .115 | 90° | | • | • | | • | • | • | | 6690R |
| UTILITY PLIERS | | | | | | | | | | | | |
| IR-250HU | Utility Pliers (NSN 5120-00-596-1106) | .025 | 0° | • | | • | | | | | | 2101R |
| IR-2545HU | Utility Pliers (NSN 5120-00-640-6357) | .025 | 45° | • | | • | | | | | | 210145R |
| IR-2590HU | Utility Pliers | .025 | 90° | • | | • | | | | | | 210190R |
| IR-380HU | Utility Pliers (NSN 5120-00-293-2514) | .038 | 0° | • | | • | | | | | | 21R |
| IR-380SU | Utility Pliers (NSN 5120-00-292-2513) | .038 | 0° | | • | • | | | | | | 22R |
| IR-3845HU | Utility Pliers (NSN 5120-00-640-6356) | .038 | 45° | • | | • | | | | | | 2145R |
| IR-3845SU | Utility Pliers (NSN 5120-00-640-6355) | .038 | 45° | | • | • | | | | | | 2245R |
| IR-3890HU | Utility Pliers | .038 | 90° | • | | • | | | | | | 2190R |
| IR-3890SU | Utility Pliers (NSN 5120-00-752-9755) | .038 | 90° | | • | • | | | | | | 2290R |
| IR-470HU | Utility Pliers | .047 | 0° | • | | • | | | | | | 2102R |
| IR-4745HU | Utility Pliers | .047 | 45° | • | | • | | | | | | 210245R |
| IR-4745SU | Utility Pliers | .047 | 45° | | • | • | | | | | | 220245R |
| IR-4790HU | Utility Pliers | .047 | 90° | • | | • | | | | | | 210290R |
| IR-4790SU | Utility Pliers | .047 | 90° | | • | • | | | | | | 220290R |
| IR-700HU | Utility Pliers (NSN 5120-00-596-0711) | .070 | 0° | • | | • | | | | | | 23R |
| IR-700SU | Utility Pliers (NSN 5120-00-595-9555) | .070 | 0° | | • | • | | | | | | 24R |
| IR-7045HU | Utility Pliers (NSN 5120-00-640-6355) | .070 | 45° | • | | • | | | | | | 2345R |
| IR-7045SU | Utility Pliers | .070 | 45° | | • | • | | | | | | 2445R |
| IR-7090HU | Utility Pliers | .070 | 90° | • | | • | | | | | | 2390R |
| IR-7090SU | Utility Pliers | .070 | 90° | | • | • | | | | | | 2490R |
| IR-90HU | Utility Pliers (NSN 5120-00-595-0554) | .090 | 0° | • | | • | | | | | | 25R |
| IR-9090HU | Utility Pliers (NSN 5120-00-793-5052) | .090 | 90° | • | | • | | | | | | 2590R |
| IR-1150SU | Utility Pliers (NSN 5120-00-293-0044) | .115 | 0° | | • | • | | | | | | 266R |
| IR-11545SU | Utility Pliers | .115 | 45° | | • | • | | | | | | 26645R |
| LOCK RING PLIERS | | | | | | | | | | | | |
| IR-15R | Small, Auto Transmission | | | | • | • | | • | • | | | 15R |
| IR-47R | Standard (NSN 5120-00-595-9551) | | | | • | • | | • | • | | | 47R |
| IR-48R | Thin Nose | | | | • | • | | • | • | | | 48R |
| IR-601R | Auto Transmission | | | | • | • | | • | • | | | 601R |
| IR-602R | Heavy Duty | | | | • | • | | • | • | | | 602R |
| IR-LRRL | Lock Ring Pliers with Ratchet Lock, IR-47R Style Tips | | | | • | • | | • | • | | • | 2836R |
| IR-LRS | Lock Ring Pliers with IR-47R Style Tips | | | | • | • | | • | • | | | 4936R |

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 | | | | | | | | |
| | | | | | | | | | IR-120S | IR-12045S | IR-12090S | .120 | | | BSH | 5101 | -150 thru -175 |
| | | | | | | | | | | | | | | | SHI | 5108 | -215 thru -350 |
| | | | | | | | | | | | | | | | SH | 5100 | -156 thru -375 |
| IR-150H | IR-15045H | IR-15090H | .150 | | | | SHI | 5108 | -350 thru -393 | | | | | | | | |
| | | | | | | | IR-170S | IR-17045S | IR-17090S | .170 | | | SH | 5100 | -306 thru -600 | | |
| | | | | | | | | | | | | | SHI | 5108 | -315 thru -400 | | |

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