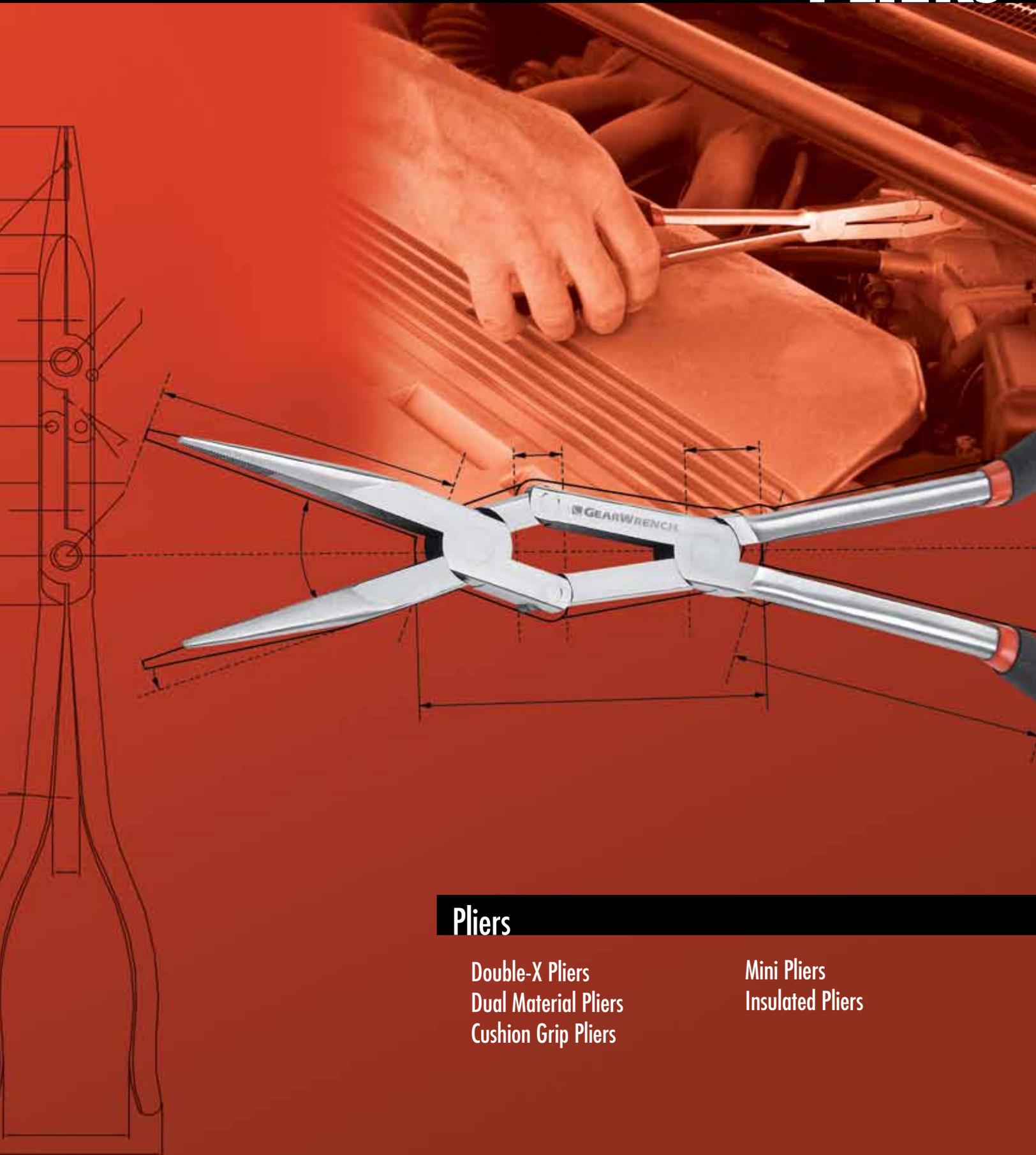


PLIERS

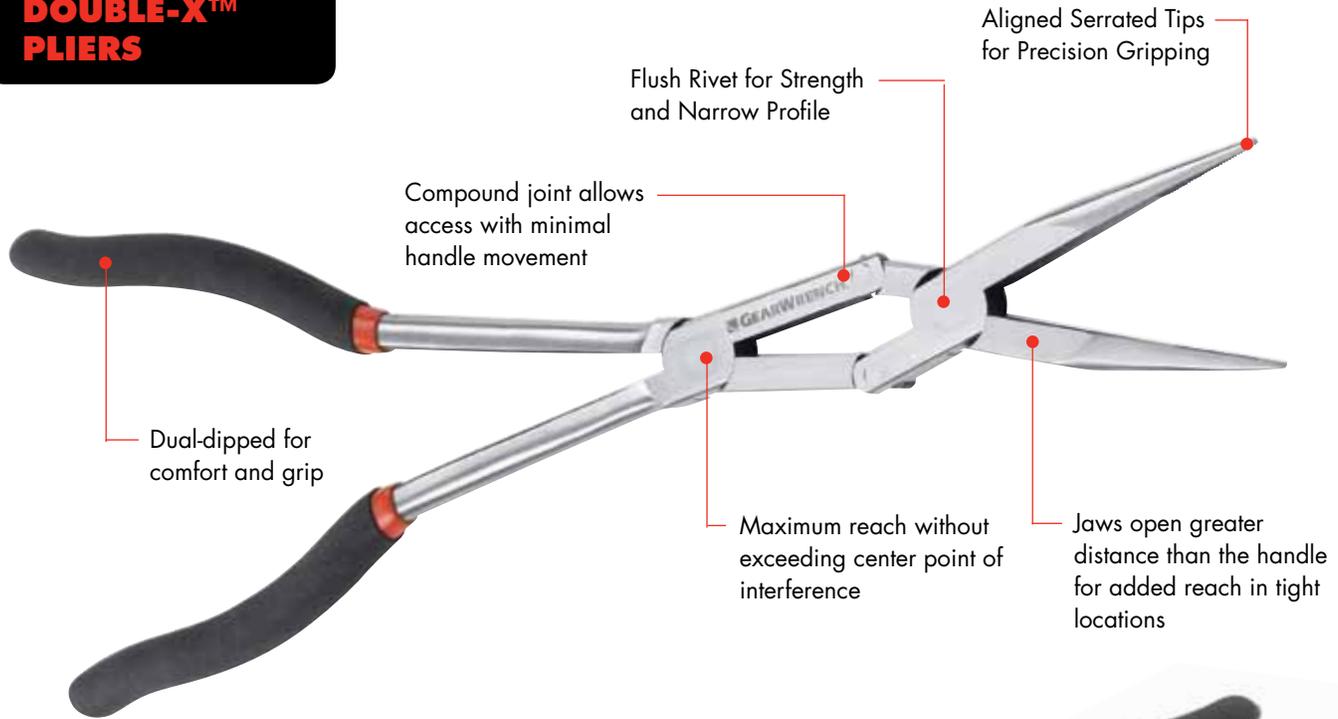


Pliers

Double-X Pliers
Dual Material Pliers
Cushion Grip Pliers

Mini Pliers
Insulated Pliers

**DOUBLE-X™
PLIERS**



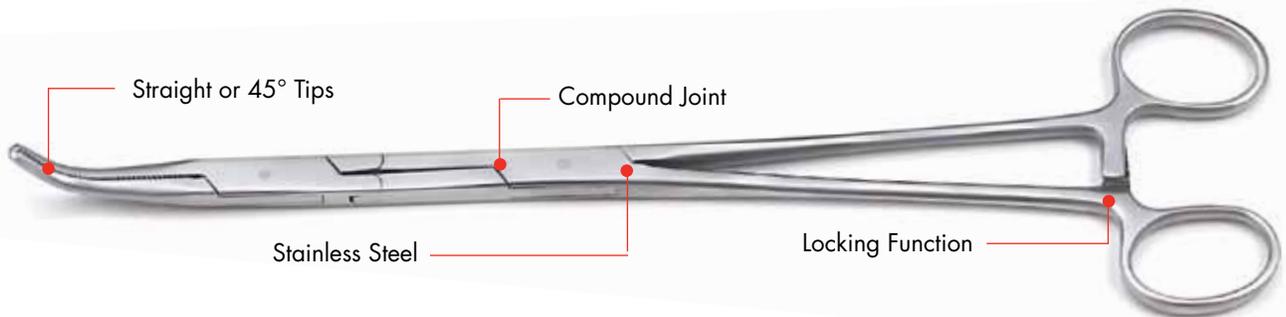
AVAILABLE IN:

- Straight Standard Pliers
- 45° Standard Pliers
- Duck Bill Standard Pliers
- Internal / External Snap Ring Pliers
- Straight Hemostat Pliers
- 45° Hemostat Pliers



APPLICATIONS

- Long reach cotter pin removal
- Use as a pick-up tool
- Tight access under engine cowlings in aviation and automotive
- Electrical terminal removal and installation



DUAL MATERIAL GRIP PLIERS

- AVAILABLE IN:**
- Slip Joint Pliers
 - Duck Bill Pliers
 - Diagonal Pliers
 - Linesmans Pliers
 - Bent Nose Pliers
 - Groove Joint Pliers
 - Long Nose Pliers
 - Fence Pliers



CUSHION GRIP PLIERS





82108 - 7 Pc. Mixed Pliers Set

Item No.	Description
82011	Tongue and Groove Pliers
82012	Diagonal Cutting Pliers
82013	Long Nose Pliers
82014	Slip Joint Pliers
82020	12" Groove Joint Pliers with Straight Jaw
82025	8" Linesman Pliers
82028	8" End Nipper Pliers

Weight 5.5 lbs



82103 - 4 Pc. Mixed Pliers Set

Item No.	Description
82011	Tongue and Groove Pliers
82012	Diagonal Cutting Pliers
82013	Long Nose Pliers
82014	Slip Joint Pliers

Weight 3.1 lbs



82104 - 3 Pc. Mixed Pliers Set

Item No.	Description
82011	Tongue and Groove Pliers
82012	Diagonal Cutting Pliers
82013	Long Nose Pliers

Weight 2.5 lbs



80058 - 8 Pc. Mini Screwdriver & Pliers Set

Item No.	Description
82001	Long Nose Mini Pliers
82000	Diagonal Cutting Mini Pliers
80034	1.5 mm Mini Slotted Screwdriver
80035	2.0 mm Mini Slotted Screwdriver
80036	2.5 mm Mini Slotted Screwdriver
80031	#00 Mini Phillips Screwdriver
80032	#0 Mini Phillips Screwdriver
80033	#1 Mini Phillips Screwdriver

Weight 1.5 lbs

82100 - 5 Pc. Mixed Mini Pliers Set

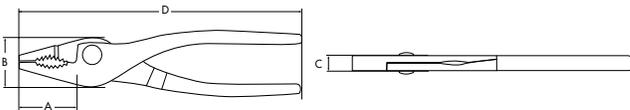
Item No.	Description
82000	Diagonal Cutting Mini Pliers
82001	Long Nose Mini Pliers
82002	Needle Nose Mini Pliers
82003	End Cutting Nipper Mini Pliers
82004	Flat Nose Mini Pliers

Weight 0.99 lbs



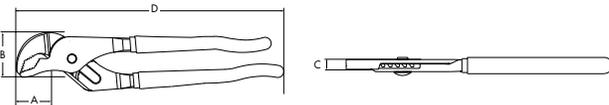
Open Stock - Slip Joint Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82022	6"	1.73"	1.17"	0.41"	6.85"	0.16
82014	8"	1.72"	1.24"	0.14"	8.15"	0.29



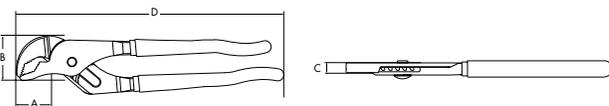
82011 - 9.5" Tongue and Groove Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.61"	0.73"	0.41"	9.45"	0.59



82020 - 12" Groove Joint Pliers with Straight Jaw

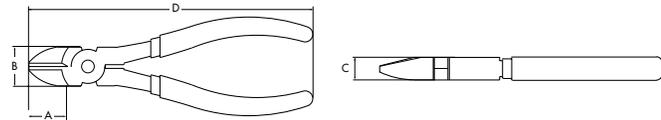
Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.09"	0.65"	0.47"	11.85"	1.19





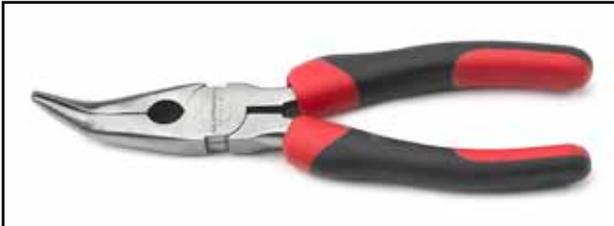
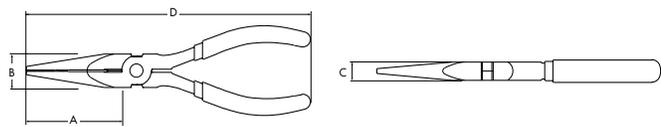
Open Stock - Diagonal Cutting Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82008	6"	1.13"	0.75"	0.42"	6.06"	0.16
82012	7"	1.12"	1.2"	0.46"	7.01"	0.26



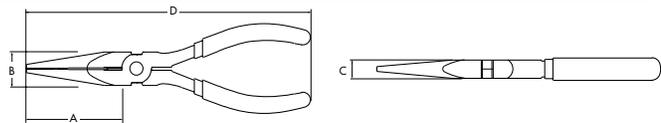
Open Stock - Long Nose Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82010	6"	2.32"	0.69"	0.35"	6.5"	0.17
82013	8"	3.28"	0.84"	0.42"	8.23"	0.24



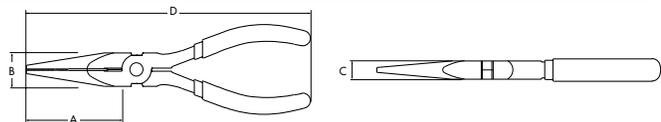
82038 - 8" Long Bent Nose Bent Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
3.28"	0.84"	0.42"	8.23"	0.24



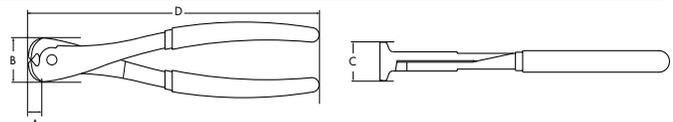
82025 - 8" Linesman Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.14"	1.13"	0.48"	8.03"	0.46



82028 - 8" End Nipper Pliers

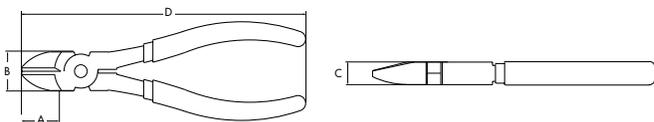
Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
0.59"	1.17"	1.02"	7.8"	0.33



82000 - 5" Mini Diagonal Cutting Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
0.51"	0.33"	0.51"	4.45"	0.09

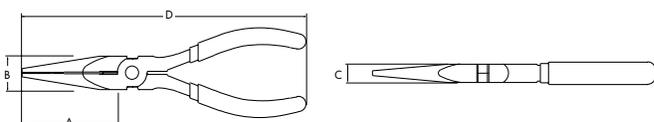
- Springed Handles



81999 - 5" Mini Bent Nose Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.32"	0.5"	0.33"	5.2"	0.09

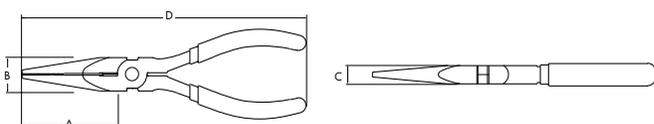
- Springed Handles



82001 - 5" Mini Long Nose Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.47"	0.5"	0.33"	5.2"	0.09

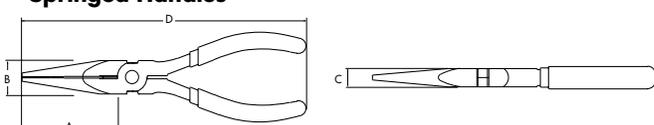
- Springed Handles



82002 - 5" Mini Needle Nose Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.84"	0.5"	0.33	5.59"	0.09

- Springed Handles

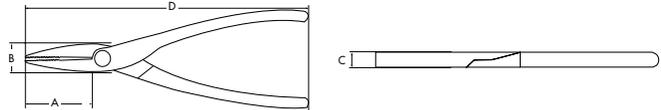




82003 - Mini End Cutting Nipper Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
0.51"	0.5"	0.51"	4.25"	0.09

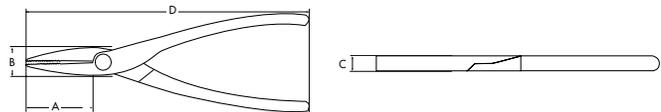
- Springed Handles



82004 - Mini Flat Nose Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.47"	0.5"	0.33"	5.2"	0.09

- Springed Handles



82106 - 2 Pc. Double-X™ Pliers Set

Item No.	Description
82005	Straight Double-X™ Pliers
82006	45 Degree Double-X™ Pliers

Weight 1.81 lbs



82107 - 3 Pc. Double-X™ Hose Grip Pliers Set

Item No.	Description
82017	5/16" Dia. Hose Grip Double-X™ Pliers
82018	1/2" Dia. Hose Grip Double-X™ Pliers
82019	3/4" Dia. Hose Grip Double-X™ Pliers

Weight 3.07 lbs

82110 - 2 Pc. Double-X™ Internal/External Snap Ring Pliers Set

Item No.	Description
82032	Double-X™ Internal Snap Ring Pliers
82033	Double-X™ External Snap Ring Pliers
	.038, Straight
	.038, 90°
	.047, Straight
	.047, 90°
	.070, Straight
	2 mm Hex Key
3151-77	Replacement Tip Set

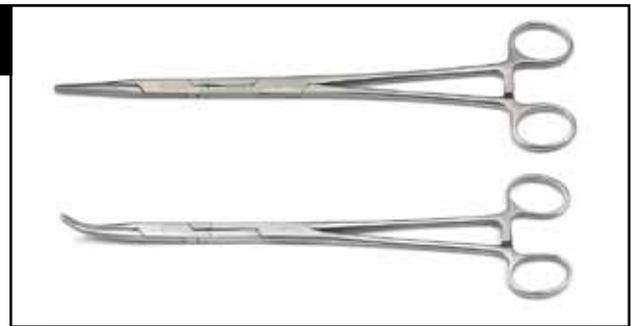
Weight 1.81 lbs



82111 - 2 Pc. Double-X™ Hemostat Pliers Set

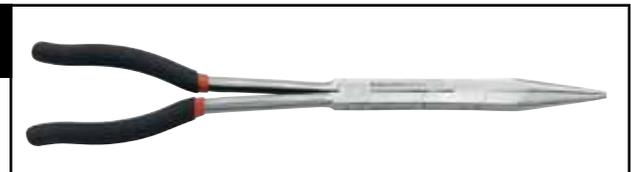
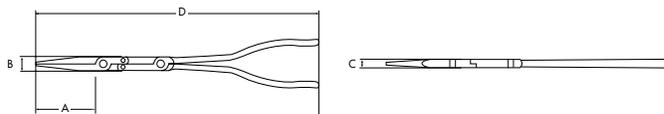
Item No.	Description
82034	Double-X™ Straight Hemostat Pliers
82035	Double-X™ 45 Degree Hemostat Pliers

Weight 0.52 lbs



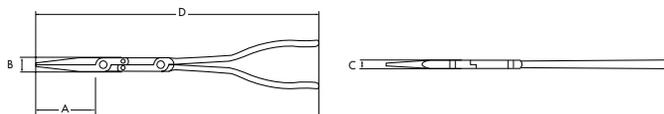
82005 - Straight Double-X™ Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
3.15"	0.68"	0.39"	13.46"	0.84



82006 - 45 Degree Double-X™ Pliers

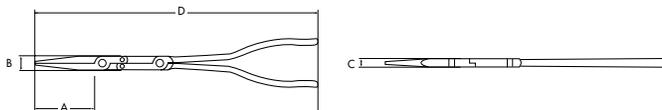
Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.95"	0.68"	0.39"	13.27"	0.86





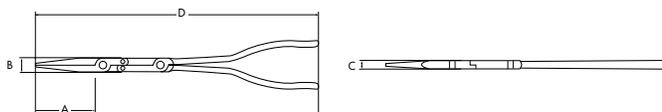
82007 - Duck Bill Double-X™ Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.65"	0.68"	0.39"	11.97"	0.79



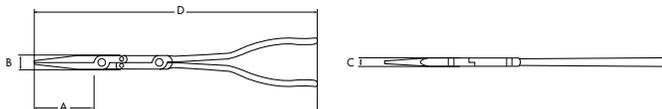
Open Stock - Hose Grip Double-X™ Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82017	5/16"	2.87"	0.68"	0.39"	13.19"	0.83
82018	1/2"	2.81"	0.68"	0.39"	13.13"	0.83
82019	3/4"	2.72"	0.68"	0.39"	13.03"	0.83



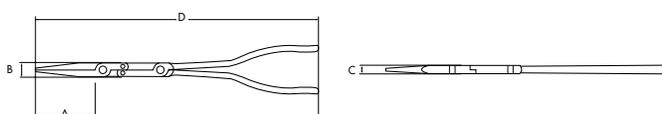
82032 - Double-X™ Internal Snap Ring Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
3.15"	0.68"	0.39"	13.46"	0.88



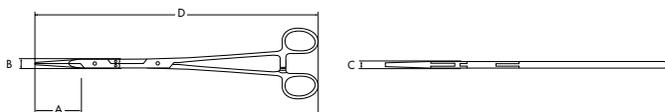
82033 - Double-X™ External Snap Ring Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
3.15"	0.68"	0.39"	13.46"	0.88



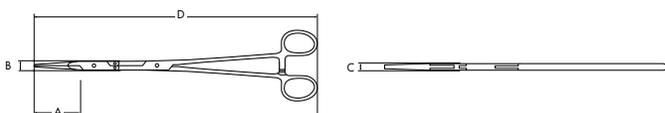
82034 - Double-X™ Straight Hemostat Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
4.22"	0.16"	0.13"	9.84"	0.21



82035 - Double-X™ 45 Degree Hemostat Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
4.09"	0.16"	0.13"	9.73"	0.21



82097 - 6 Pc. Pliers Set

Item No.	Description
82079	6" Slip Joint Pliers
82081	6" Diagonal Pliers
82085	6" Long Nose Pliers
82088	8" Duck Bill Pliers
82090	9" Linesmans Pliers
82093	9-1/2" Groove Joint Pliers Diamond Jaw

Weight 5.00 lbs



82098 - 4 Pc. Pliers Set

Item No.	Description
82079	6" Slip Joint Pliers
82082	8" Wide Jaw Diagonal Pliers
82086	8" Long Nose Pliers
82093	9-1/2" Groove Joint Pliers Diamond Jaw

Weight 3.50 lbs





82099 - 3 Pc. Groove Joint Pliers Set

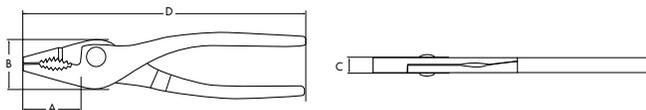
Item No.	Description
82093	9-1/2" Groove Joint Pliers Diamond Jaw
82094	12" Groove Joint Pliers Straight Jaw
82095	16" Groove Joint Pliers Straight Jaw

Weight 2.50 lbs



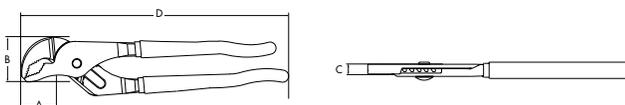
Open Stock - Slip Joint Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82079	6"	1.73"	1.17"	0.41"	6.85"	0.16
82080	8"	1.72"	1.24"	0.41"	8.15"	0.29



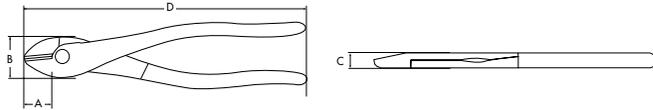
Open Stock - Groove Joint Pliers

Item No.	Description	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82092	8" Straight Jaw	1.41"	1.81"	0.37"	7.72"	0.26
82093	9-1/2" Diamond Jaw	1.61"	0.73"	0.41"	9.45"	0.43
82094	12" Straight Jaw	2.09"	0.65"	0.47"	11.85"	0.62
82095	16" Straight Jaw	2.83"	0.95"	0.57"	16.02"	1.19



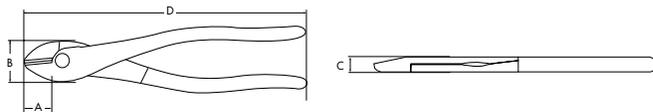
82081 - 6" Diagonal Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.27"	0.81"	0.47"	6.06"	0.16



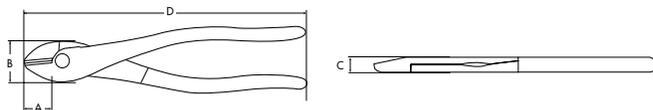
82082 - 7" Wide Jaw Diagonal Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.11"	1.21"	0.46"	7.99"	0.34



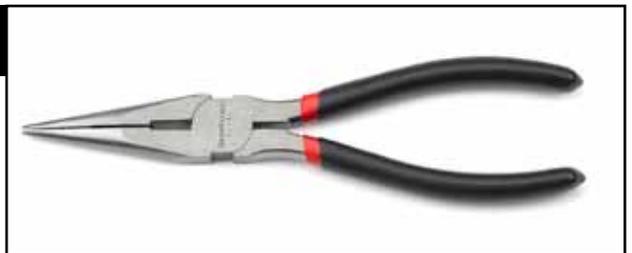
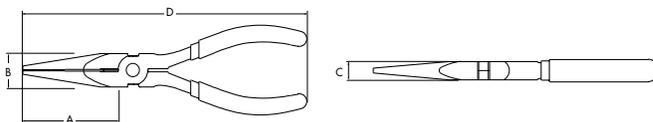
82083 - 8" Bent Nose Diagonal Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.11"	1.21"	0.46"	7.99"	0.34



Open Stock - Long Nose Pliers

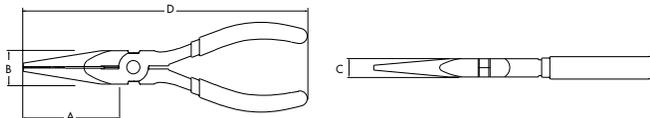
Item No.	Description	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82085	6" Long Nose	2.61"	0.77"	0.41"	6.65"	0.17
82086	8" Long Nose	2.97"	0.89"	0.47"	7.99"	0.24





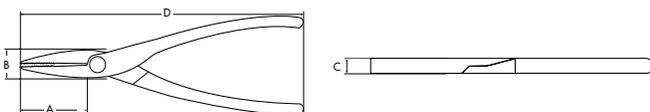
82087 - 6" Long Nose Bent Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.61"	0.77"	0.41"	6.65"	0.17



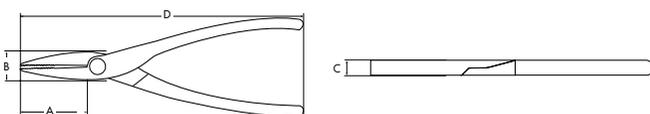
82088 - 8" Duck Bill Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.94"	0.51"	0.42"	7.83"	0.23



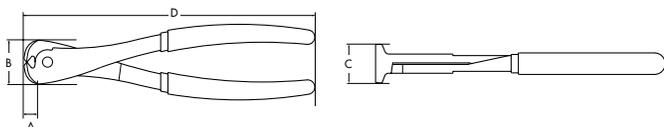
Open Stock - Linesman Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82089	8"	1.76"	1.19"	0.61"	8.9"	0.36
82090	9"	1.88"	1.24"	0.61"	9.41"	0.40



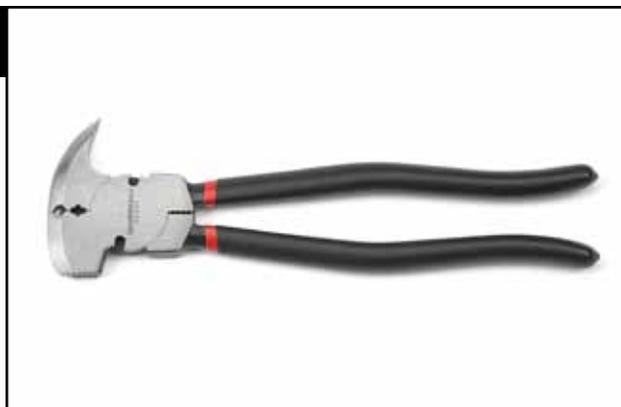
82084 - 8" End Nippers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
0.59"	1.17"	1.02"	7.8"	0.33



82096 - 10" Fence Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.55"	3.17"	0.57"	10.51"	0.68



82078 - 10" Universal Cutting Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Blade Length	Weight (lbs)
1.58"	2.56"	0.67"	10.24"	3-7/8"	1.02



80062 - 10 Pc. Insulated Pliers and Screwdriver Set

Item No.	Description
80047	3/32" (2.5mm) x 3" Insulated Slotted Screwdriver
80048	5/32" (4.0mm) x 4" Insulated Slotted Screwdriver
80049	7/32" (5.5mm) x 5" Insulated Slotted Screwdriver
80081	#1 x 3-1/8" Insulated Phillips Screwdriver
80082	#2 x 4" Insulated Phillips Screwdriver
80084	#1 x 3-1/8" Insulated Pozidriv-Plus Screwdriver
80085	#2 x 4" Insulated Pozidriv-Plus Screwdriver
82029	Lineman Insulated Pliers
82030	Long Nose Insulated Pliers
82031	Diagonal Cutting Insulated Pliers

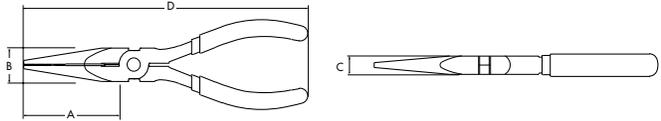


Weight 3.50



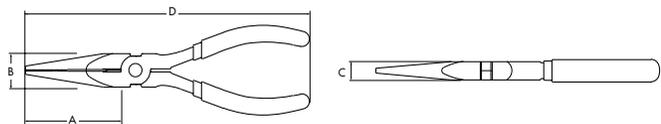
82029 - 8" Lineman Insulated Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.22"	1.22"	0.51"	8.31"	0.40



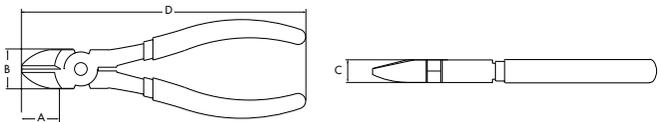
82030 - 8" Long Nose Insulated Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
3.26"	0.87"	0.43"	8.39"	0.30



82031 - 7" Diagonal Cutting Insulated Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
1.22"	1.18"	0.47"	7.4"	0.30



82102 - 3 Pc. Locking Pliers Set

Item No.	Description
82043	6" Long Nose Locking Pliers
82040	5" Curved Jaw Locking Pliers
82041	10" Curved Jaw Locking Pliers

Weight 4.00

82112 - 5 Pc. Locking Pliers Set

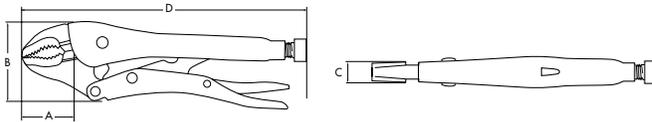
Item No.	Description
82043	6" Long Nose Locking Pliers
82040	5" Curved Jaw Locking Pliers
82041	10" Curved Jaw Locking Pliers
82045	6" C-Clamp Locking Pliers
82046	11" C-Clamp Locking Pliers

Weight 5.50



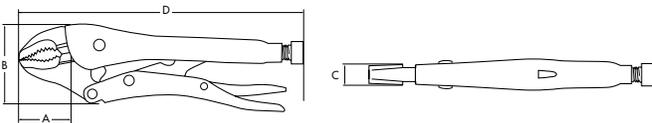
Open Stock - Jaw Locking Pliers

Item No.	Description	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82040	5" Curved	1.57"	1.73"	0.31"	5.51"	0.38
82041	10" Curved	2.36"	2.63"	0.43"	8.79"	1.11
82042	10" Straight	2.56"	2.65"	0.55"	8.71"	1.13



Open Stock - Long Nose Locking Pliers

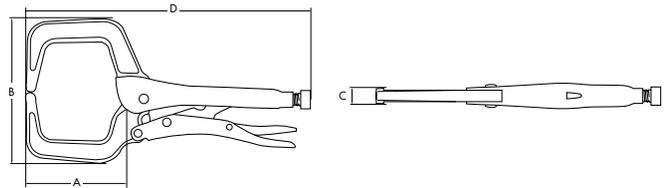
Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82043	6"	2.76"	1.57"	0.12"	6.56"	0.41
82044	9"	3.7"	2.16"	0.2"	8.94"	0.84





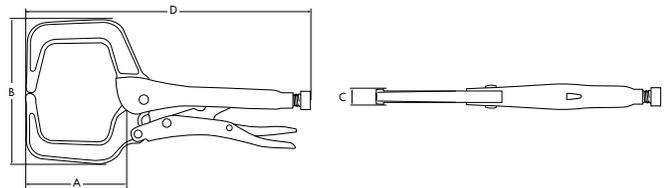
C-Clamp Locking Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82045	6"	2.68"	3.38"	0.35"	6.79"	0.48
82046	11"	4.53"	5.62"	0.41"	11.28"	1.66
82047	18"	11.81"	6.37"	0.41"	18.57"	2.97
82048	24"	17.72"	7.1"	0.41"	24.45"	3.19



Swivel Pad C-Clamp Locking Pliers

Item No.	Size	Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
82049	6"	29.53"	3.38"	0.8"	6.79"	0.49
82050	11"	4.92"	5.62"	1.11"	11.28"	1.70
82051	18"	12.32"	6.36"	1.11"	18.13"	3.30
82052	24"	18.23"	7.12"	1.11"	24.03"	3.19



82053 - 20" Chain Clamp Locking Pliers

Jaw Length A	Jaw Width B	Jaw Thickness C	Overall Length D	Weight (lbs)
2.87"	2.49"	0.23"	8.5"	1.58