

# Bit-Tip®

## Drill & Tap Screws

drills its own hole, taps a matching thread in steel .220 thick in less time than it takes to drill a pilot hole for other standard fasteners



TOP VIEW



HEX  
WASHERS



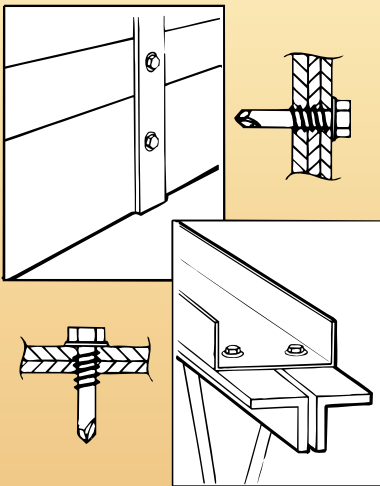
TOP VIEW



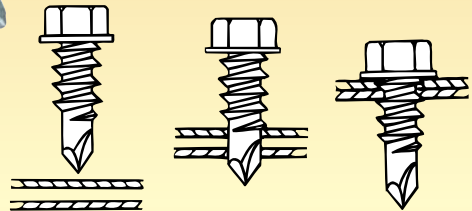
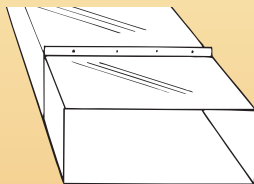
HEX Slotted  
WASHERS

### Industrial Applications

#### Structural / Layered Metal



#### Duct Work



## The One Operation Fastener with the

### TRUE DRILLING ACTION POINT!

By drilling its own hole, **Bit-Tip®** produces the optimum hole size, resulting in better thread engagement and a tighter fit. One operation fastening also means no alignment problems.

**Bit-Tip®** has a wide range of industry applications. Select the **Bit-Tip®** that's right for the job. Point length will determine metal thickness that can be drilled, tapped and fastened. Also, plywood, soft wood, composition board, drywall, insulation and laminates may be fastened to metal framing or components.

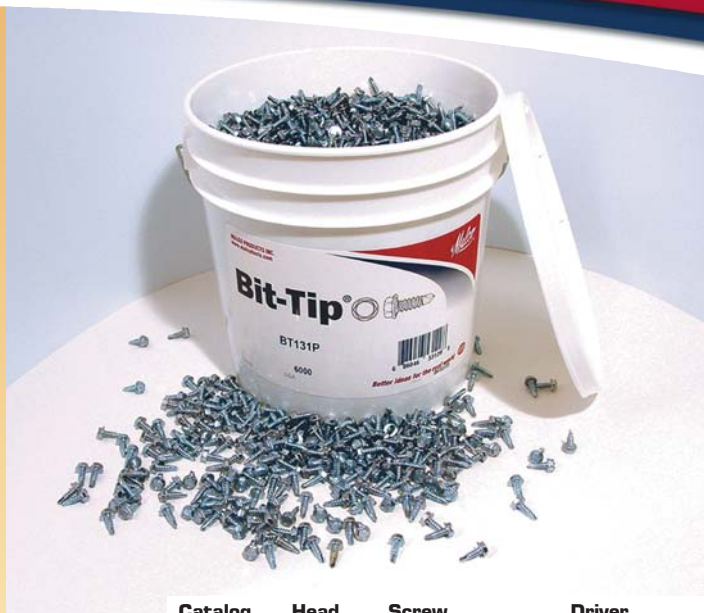
Made from strong, high quality, specially heat treated steel. **Bit-Tip®** Self Drilling and Tapping Screws are precision cold forged insuring uniformity of dimension and drill point contours.

The versatile **Bit-Tip®** Screw is an excellent replacement for fastening operations now using rivets, nuts and bolts, spot welds or adhesives. **Bit-Tip®** also eliminates the need for costly auxiliary fastening equipment such as drill bits, taps and welding equipment.

Requires only a standard screw gun power tool rated at 2500 RPM equipped with drilling depth locator.



® Trademarked & Patented Head Markings  
indicate one and only genuine **Bit-Tips**.  
U.S. Patent No. D524,638



**NOTE: Package sizes available in handy boxes, tubs, bulks and NEW PAILS!**

\* Denotes popular screw sizes available in pails.

Consult Malco Suggested Trade Prices for specific package quantities available for each screw size. Count on Malco for full, accurate piece counts in every BIT-TIP pack you buy.

Material thickness recommendation for Bit-Tips®

FOR THIS MATERIAL THICKNESS			
.050	.100	.150	.200

Catalog Number    Head Type    Screw Size    Driver Size

## HEX WASHER, SLOTTED HEX WASHER BIT-TIP®

BIT-TIP SCREW #2 POINT	*	<b>BT131</b>	HW	8-18x1/2	1/4	.035	.100
		<b>BT132</b>	HW	8-18x5/8	1/4		
	*	<b>BT133</b>	HW	8-18x3/4	1/4		
		<b>BT134</b>	HW	8-18x1	1/4		
		<b>BT231</b>	HS	8-18x1/2	1/4		
		<b>BT233</b>	HS	8-18x3/4	1/4		
		<b>BT234</b>	HS	8-18x1	1/4		
	*	<b>BT141</b>	HW	10-16x1/2	5/16	.035	.110
#3		<b>BT142</b>	HW	10-16x5/8	5/16	.110	.175
	*	<b>BT143</b>	HW	10-16x3/4	5/16		
		<b>BT144</b>	HW	10-16x1	5/16		
		<b>BT153</b>	HW	10-24x3/4	5/16		
		<b>BT156</b>	HW	10-24x1-1/2	5/16		
#3		<b>BT163</b>	HW	12-14x3/4	5/16	.110	.210
		<b>BT164</b>	HW	12-14x1	5/16		
		<b>BT174</b>	HW	1/4-14x1	3/8		

Test results furnished are given purely as a guide and do not constitute a warranty of any type. Results may vary by modification to the fastener or in certain applications.

## BIT-TIP® SCREW STRENGTH

Thread Size	Point Size	Pull-out values (lbs.) in common steel gauges											Tensile Strength (lbs.)	Torsional Strength (lbs.)	
		26	24	22	20	18	16	14	13	1/8	10	3/16			
6	20	#2	141	208	268	331	513	633	874					1125	24
	18	#2	150	187	289	334	507	643	977					1575	42
10	16	#2	145	235	295	364	572	708	1,015	1,972				2100	61
	24	#3								1,528	2,120	2,199		2350	65
12	14	#3								1,541	1,990	2,650	3,515	2800	92
1/4	14	#3								1,504	1,818	2,413	3,190	3850	150
	14	#3								1,788	2,330	2,830	4,420	4275	168



Zinc Plated

Undercut-Indented  
Hex Washer Slotted Head

# Zip-in<sup>®</sup>

SELF-PIERCING SCREWS

## The Standard by which all others are judged.

A unique thread design and quality controlled manufacture spell the Zip-in<sup>®</sup> difference. Zip-in's<sup>®</sup> sophisticated heat treat process allows the screw to taper to a fine, sharp point without sacrificing critical point strength. A single starting thread (A) is machined down to the very tip of the point and is the source of Zip-in's<sup>®</sup> penetrating power. A second thread (B) above the point engages after initial penetration and moves the screw in double fast. Zip-in<sup>®</sup> screws are faster driving, with a greater capacity for fastening heavier gauges of sheet metal than any other self-drilling type.

Online  
Video Zipin

- Undercut — always seats flush.
- Burr Free. Hex Washer Slotted Head
- One 1/4" hex driver accommodates all sizes.
- Full 1/4" (No. 8) head will not strip out of hex driver opening

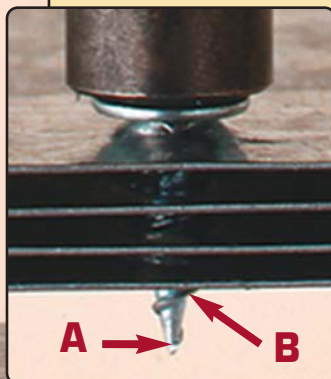
Combination Lead Thread

## CONSISTENT HARD POINT

- Quality controlled heat treat
- Sharp tapered point will not mushroom or break
- No Walking
- Complete operator control - precise hole alignment.

## COMBINATION LEAD DOUBLE THREAD DESIGN

- Single starting thread machined down to very tip of screw point
- Instantly penetrates and engages in heavy gauge sheet metal and layered light gauge.



® Trademarked & Patented Head Markings  
indicate one and only genuine Zip-ins.  
U.S. Patent No. D524,638

# Zip-in® Selection



**NOTE: Package sizes available in handy boxes, tubs, bulks and NEW PAILS!**

Catalog Number	Head Size
HW6x3/8Z	1/4"
* HW8x1/2Z	1/4"
* HW8x3/4Z	1/4"
* HW8x1Z	1/4"
* HW8x1-1/2Z	1/4"
* HW8x2Z	1/4"
HW10x1/2Z	1/4"
HW10x3/4Z	1/4"
HW10x1Z	1/4"



\* Denotes popular screw sizes available in pails.

Consult Malco Suggested Trade Prices for specific package quantities available for each screw size. Count on Malco for full, accurate piece counts in every ZIP-IN package you buy.

## WHITE PAINTED ZIP-IN® REGISTER SCREWS

Catalog Number	Color	Head Size
HW8x1-1/2ZW	White	1/4" Hex Slotted
HW8x2ZW	White	1/4" Hex Slotted
HW8x3ZW	White	1/4" Hex Slotted



Catalog Number	Color	Head Size
PO8x2ZW	White	#2 Phillips

## Painted Sheet Metal Screws

RB = Royal Brown      W = White  
 MB = Musket Bronze      CC = Classic Cream  
 A = Almond      CL = Clay

CATALOG NUMBER	HEAD SIZE
HW6x3/8ZA	1/4"
HW6x3/8ZCC	1/4"
HW6x3/8ZCL	1/4"
HW6x3/8ZMB	1/4"
HW6x3/8ZRB	1/4"
HW6x3/8ZW	1/4"
HW8x1ZRB	1/4"
HW8x1ZW	1/4"
HW8x3/4ZRB	1/4"
HW8x3/4ZW	1/4"



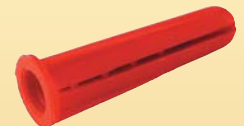
Packaged in bags.

## DRILL-IN SCREWS TYPE A, SINGLE THREAD

5/16"
HEAD SIZE
CATALOG No.
HW10x1-1/2
HW10x2
HW12x2



## Red Lip Plastic Anchors



Use with wood, sheet metal or lag screws. Flexible anchor is ideal for masonry or stone. Lip on collar prevents anchor from pushing through hole in hollow walls.

CATALOG NUMBER	ANCHOR SIZE	FOR SCREW SIZE(S)	USES BIT DIA.
PA810	3/16" x 7/8"	8-9-10	3/16"
PA1012	1/4" x 1"	10-12	1/4"
PA1416	5/16" x 1-3/8"	14-16	5/16"

## RED LIP PLASTIC ANCHOR KITS

All kits contain equal quantities of anchors and screws with one matching carbide tipped drill bit.

### KITS WITH SLOTTED PAN HEAD SCREWS

CATALOG NUMBER	ANCHOR SIZE	SCREW SIZE(S)	USES BIT DIA.	ANCHOR KIT QUANTITY
PA810K	3/16" x 7/8"	SP8x1	3/16"	100
PA1012K	1/4" x 1"	SP10x1-1/4	1/4"	100
PA1416K	5/16" x 1-3/8"	SP14x1-1/2	5/16"	50

### KITS WITH HEX WASHER HEAD SCREWS

PA810KW	3/16" x 7/8"	HW8x1Z	3/16"	100
PA1012KW	1/4" x 1"	HW10x1Z	1/4"	100

