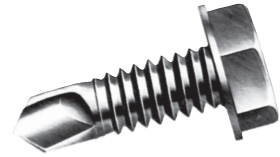


SUBMITTAL RECORD \_\_\_\_\_  
 JOB \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 SUBMITTED TO \_\_\_\_\_  
 SUBMITTAL PREPARED BY \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 DATE \_\_\_\_\_



# Specification Form Pro Point Screws



## DESCRIPTION

Several common methods such as rivets, screws, and spot welding are used to fasten materials to ductwork. Three types of screws are most often used. The first is self-tapping only and requires a hole to be drilled before the screw can be utilized. The others are both self-tapping but also create their own holes. Self-piercing screws have very sharp points which act much like a scratch awl in making a small opening in the steel for the threads to engage and work the sheet metal into a coned threaded hole. These work well for light gage steel. Self-drilling screws have an integral drill point which creates a large hole for tapping. This allows the screws to be used on heavy gages of steel. The maximum total thickness of steel that the self-drilling screw can be used with is determined by the drill point.

## SUGGESTED SPECIFICATIONS

Self-drilling and tapping screws shall meet or exceed Industrial Fasteners Institute standard IFI-113 and shall be code \_\_\_\_\_ size \_\_\_\_\_ as supplied by Duro Dyne Corporation.

## SCREW FEATURES

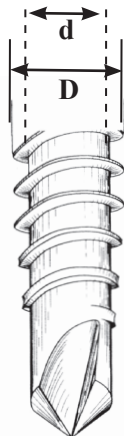
- Conformance - Meets or exceeds IFI-113 (Revised: August 1, 2007) specifications for Type BSD screws
- Material - Cold heading quality steel wire
- Corrosion Resistance - Zinc plated
- Hardness - Case hardened to Rockwell C52 - 58
- Head Configuration - Hexagonal unslotted

## ORDERING INFORMATION - PRO POINT SCREWS

ITEM SIZE	DRIVER SIZE	DRILL PT. SIZE	MAX. DRILL CAPABILITY	HUNDRED PACK (PPC) ITEM#	FIVE HUNDRED PACK (PPF) ITEM#	THOUSAND PACK (PPT) ITEM#	BUCKET PACK (PPP)		BULK PACK (PPB)	
			DEC.				ITEM#	QTY.	ITEM#	QTY.
8 x 1/2	1/4	2	.100 in	14177	14340	14185	15159	5M	15127	10M
8 x 5/8	1/4	2	.100 in	14178	14341	14186	15160	5M	15128	10M
8 x 3/4	1/4	2	.100 in	14179	14342	14187	15161	4M	15129	10M
8 x 1	1/4	2	.100 in	14194	14195	14196	15165	3M	15174	5M
10 x 1/2	5/16	3	.110 in	14180	14343	14188	15162	4M	15130	8M
10 x 5/8	5/16	3	.175 in	14181	14344	14189	15163	3M	15131	5M
10 x 3/4	5/16	3	.175 in	14182	14345	14190	15164	3M	15132	5M
10 x 1	5/16	3	.175 in	14183	14346	14191	15166	3M	15133	5M
12 x 3/4	5/16	3	.210 in	14184	14347	14192	15175	3M	15134	5M

## ORDERING INFORMATION - HIGH HEAD PRO POINT SCREWS

ITEM SIZE	DRIVER SIZE	DRILL PT. SIZE	MAX. DRILL CAPABILITY	HUNDRED PACK (PPC) ITEM#	FIVE HUNDRED PACK (PPF) ITEM#	THOUSAND PACK (PPT) ITEM#	BULK PACK (PPB)	
			DEC.				ITEM#	QTY.
8 x 3/4	1/4	2	.100 in	14207	N/A	14209	15210	10M
10 x 3/4	5/16	3	.175 in	14208	14204	14210	15196	5M
10 x 1-1/2	5/16	3	.175 in	N/A	N/A	14205	15173	2M



## DIMENSIONS AND TORSIONAL SPECIFICATIONS FOR SELF-DRILLING TAPPING SCREWS

Size or Nominal Screw Diameter	Threads per Inch	D		d		Minimum Torsional Strength (lb. in.)	
		Major Diameter		Minor Diameter			
		Max	Min	Max	Min		
4	0.1120	24	0.114	0.110	0.086	0.082	14
6	0.1380	20	0.139	0.135	0.104	0.099	24
8	0.1640	18	0.166	0.161	0.122	0.116	42
10	0.1900	16	0.189	0.183	0.141	0.135	61
12	0.2160	14	0.215	0.209	0.164	0.157	92
1/4	0.2500	14	0.246	0.240	0.192	0.185	150

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