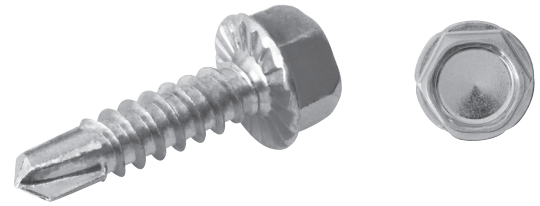


SUBMITTAL RECORD \_\_\_\_\_  
 JOB \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 SUBMITTED TO \_\_\_\_\_  
 SUBMITTAL PREPARED BY \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 DATE \_\_\_\_\_



# Submittal Form High Head 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.

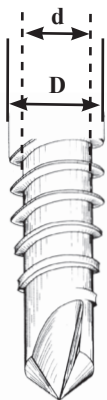
## SCREW FEATURES

- 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

## 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#	BUCKET PACK (PPP)		BULK PACK (PPB)		2 GALLON PAIL (BKTAB)	
			DEC.	GA.				ITEM#	QTY.	ITEM#	QTY.	ITEM #	QTY.
8HH x 3/4	1/4	2	.100	12	14207	14206	14209	15146	4 TH	15210	10 TH	N/A	N/A
10HH x 3/4	5/16	3	.175	7	14208	14204	14210	15150	3 TH	15196	5 TH	15361	5 TH
10HH x 1-1/2	5/16	3	.175	7	N/A	N/A	14205	N/A	N/A	15173	2 TH	N/A	N/A

TH = Thousand



## DIMENSIONS OF THREADS AND POINTS FOR SELF-DRILLING TAPPING SCREWS

Nominal Size or Basic 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

A sampling from every skid of Duro Dyne screws is rigorously tested in house. The Duro Dyne screw standards exceed the IFI published standards for consistency and quality in form and function. Our screws are designed and manufactured under the strictest QC guidelines, to ensure we have the highest quality and most consistent screws offered to the industry.

Duro Dyne East Division, Bay Shore, NY  
 Duro Dyne Midwest Division, Fairfield, OH  
 Duro Dyne West Division, Fontana, CA  
 Duro Dyne Canada, Lachine, Quebec, Canada

631-249-9000 Fax:631-249-8346  
 513-870-6000 Fax:513-870-6005  
 562-926-1774 Fax:562-926-5778  
 514-422-9760 Fax:514-636-0328

www.durodyne.com E-mail: durodyne@durodyne.com



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