



TYPE AB SELF TAPPING SCREWS – PHILLIPS DRIVE

ZINC / 304 GRADE STAINLESS STEEL

The Type AB screw has a die produced point on a rolled thread, leaving a thread start on the taper. This helps pull the screw into the hole and start the tapping groove as they are designed to form a matching thread into the materials being joined. Recommended to be used in pre-drilled or punched holes in sheet metal and can also be used with aluminium, plywoods, soft and high impact plastics.

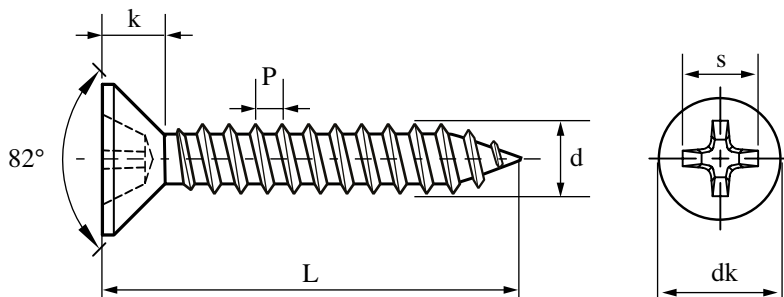


COUNTERSUNK HEAD DIN 7982 / ISO 7050

Material	Zinc Electroplated or 304 Grade Stainless Steel
Standard	DIN 7982 / ISO 7050
Drive	Phillips
Head	Countersunk (flat)
Point	Type AB
Diameter (mm)	ST3.5, ST4.2, ST4.8, ST5.5, ST6.3



ZINC
PRODUCT CODE: 3SCUZ



304 STAINLESS STEEL
PRODUCT CODE: 3SCUS

Thread	ST 3.5	ST 4.2	ST 4.8	ST 5.5	ST 6.3
Size, d	[mm]	[mm]	[mm]	[mm]	[mm]
Gauge	#6	#8	#10	#12	#14
P	1.27	1.41	1.59	1.81	1.81
Dk max*	7.1	8.4	9.7	11.1	12.8
k	2.1	2.5	3	3.95	4.55
s	2			3	

*Max countersunk head diameters are theoretical diameters of the head to sharp corners and should be the dimension of the countersunk holes to enable the screw heads to fit flush with the surface



TYPE AB SELF TAPPING SCREWS – PHILLIPS DRIVE

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PAN HEAD DIN7981 / ISO7049

Material Zinc Electroplated or
304 Grade Stainless Steel

Standard DIN7981 / ISO7049

Drive Phillips

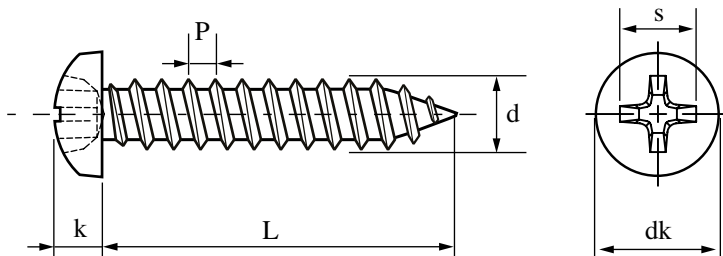
Head Pan

Point Type AB

Diameter (mm) ST3.5, ST4.2, ST4.8, ST5.5, ST6.3



ZINC
PRODUCT CODE: 3SPUZ



304 STAINLESS STEEL
PRODUCT CODE: 3SPUS

Thread	ST 3.5	ST 4.2	ST 4.8	ST 5.5	ST 6.3
Size, d	[mm]	[mm]	[mm]	[mm]	[mm]
Gauge	#6	#8	#10	#12	#14
P	1.27	1.41	1.59	1.81	1.81
Dk	6.9	8.2	9.5	10.8	12.5
k	2.6	3.05	3.55	3.95	4.55
s	2			3	

MANUFACTURING STANDARDS

Thread Pitch				Mechanical Properties			Recess References			
Gauge	TPI	Metric (Ref.)	Pitch (mm)	Gauge	Min. Torsional Load Nm	Gauge	Cruciform (Philips)	Torx-Drive		Square
								Pan	Csk	
2	32	2.2	0.79	2	0.45	2	1	T8	-	1
4	24	2.9	1.06	4	1.47	4	1	T10	T8	1
6	20	3.5	1.27	6	2.70	6	2	T15	T10	2
8	18	4.2	1.41	8	4.40	8	2	T20	T20	2
10	16	4.8	1.59	10	6.30	10	2	T25	T25	2
12	14	5.5	1.81	12	9.90	12	3	T27	T27	3
14	14	6.3	1.81	14	16.00	14	3	T30	T30	3



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RECOMENDED HOLE SIZES

Gauge	Metric (Ref.)	Metal Thickness		Drilled or Clean Punched Holes (Dia.)		
		min.	max.	mm	inch.	
#2	2.2	min.	0.45	0.018	1.60	0.063
		max.	1.62	0.064	1.95	0.077
#4	2.9	min.	0.45	0.018	2.05	0.081
		max.	2.03	0.080	2.60	0.102
#6	3.5	min.	0.45	0.018	2.35	0.092
		max.	2.64	0.104	3.20	0.126
#8	4.2	min.	0.71	0.028	2.90	0.144
		max.	3.18	0.125	3.80	0.150
#10	4.8	min.	0.71	0.028	3.40	0.134
		max.	4.75	0.187	4.50	0.177
#12	5.5	min.	0.71	0.028	4.10	0.161
		max.	4.75	0.187	5.10	0.201
#14	6.3	min.	1.22	0.048	4.80	0.189
		max.	6.35	0.250	6.00	0.236

Due to variation in the hardness of metals and different operating conditions, it may be found necessary to vary these dimensions which should be used only as a guide.

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Cross Recessed Pan Head Self-Tapping Screw - Phillips STANDARDS:

ISO 7049 (the International Organization for Standardization) This International Standard specifies the characteristics of cross-recessed pan head tapping screws with thread sizes from ST 2,2 to ST 9,5 inclusive. 'ST' Self-Tapping or 'STS' Standard Self-Tapping. '2,2' = 2.2mm major diameter

DIN 7981 CH (German Institute for Standardisation, 'CH' Case Hardened) Cross recessed pan head tapping screw Phillips DIN 7981 C-H Steel

B18.6.4 (ASME American Society of Mechanical Engineers) Thread Forming and Thread Cutting Tapping Screws and Metallic Drive Screws, Inch Series

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