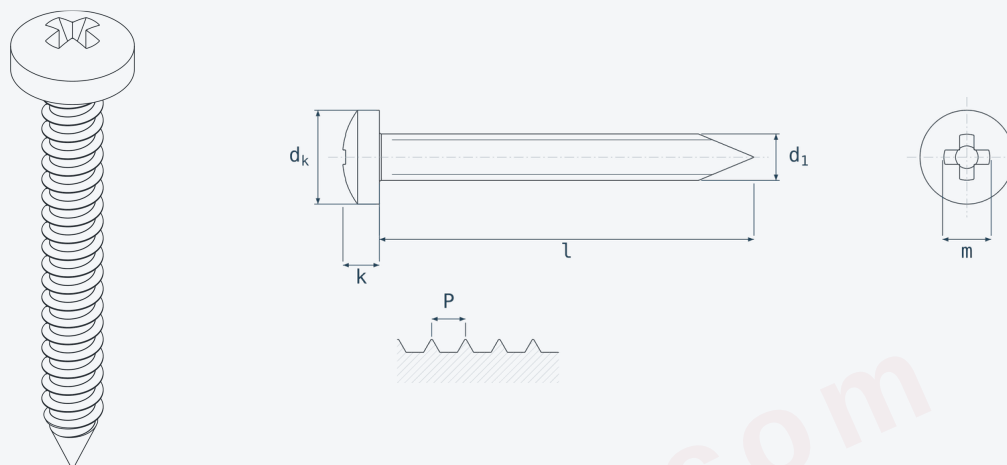


DIN 7981 Phillips Pan Head Tapping Screw



STANDARD

DIN 7981 Cross Recessed Pan Head Tapping Screw · withdrawn

THREAD

Tapping screw thread (ST) per ISO 1478

SIZES

ST2.2 - ST6.3 · lengths 4.5 – 38 mm

MATERIAL

Stainless Steel, Carbon Steel

SURFACE

Passivated, Plain, Zinc Plated, Dacromet, Ruspert, Phosphate

DIN 7981 is a withdrawn legacy standard; the current standard for this product is ISO 7049. This sheet follows DIN 7981. The two can differ in some dimensions; our website compares them size by size.

BASIS OF SPECIFICATION

CARBON STEEL / ALLOY STEEL

ISO 2702:2022

THREAD LENGTH

to be agreed

STAINLESS STEEL

ISO 3506-4:2025

MINIMUM USABLE THREAD LENGTH

to be agreed

DIMENSIONS EDITION

to be agreed

PRODUCT GRADE

to be agreed

LENGTH TOLERANCE

to be agreed

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DIMENSIONS

mm · DIN 7981

d	P	a _{max}	dk	dk _{min}	k _{nom.}	k _{min}	rf _{ref}	Recess Number	m _{ref}	t _{max}	t _{min}	Type Z / Socket Width _{ref}	t _{max}	t _{min}	y _{ref}	y _{ref}
ST2.2	0.8	0.8	4.2	3.9	1.8	1.55	3.4	1	2.6	1.32	0.86	2.4	1.35	1.1	2	1.6
ST2.9	1.1	1.1	5.6	5.3	2.2	1.95	4.4	1	3	1.8	1.35	2.9	1.83	1.58	2.6	2.1
ST3.5	1.3	1.3	6.9	6.54	2.6	2.35	5.4	2	4.2	2.03	1.4	3.9	1.93	1.47	3.2	2.5
ST3.9	1.3	1.3	7.5	7.14	2.8	2.55	5.8	2	4.4	2.26	1.63	4.1	2.16	1.7	3.5	2.7
ST4.2	1.4	1.4	8.2	7.84	3.05	2.75	6.2	2	4.6	2.46	1.8	4.3	2.34	1.88	3.7	2.8
ST4.8	1.6	1.6	9.5	9.14	3.55	3.25	7.2	2	5	2.87	2.26	4.7	2.74	2.28	4.3	3.2
ST5.5	1.8	1.8	10.8	10.37	3.95	3.65	8.2	3	6.5	3.15	2.49	6.2	2.97	2.51	5	3.6
ST6.3	1.8	1.8	12.5	12.07	4.55	4.25	9.5	3	7.1	3.66	3	6.7	3.48	3.02	6	3.6

P thread pitch a thread runout dk head diameter k nominal head height rf head radius m type h recess width t type h penetration y point length - c

MARKING

Carbon steel / Alloy steel: head marking to ISO 2702:2022.

Stainless steel: head marking to ISO 3506-4:2025.

Marking requirements are set by the material standard named above.

Confirm the ordered property class before production.

DOCUMENTS

EN 10204 3.1 material certificate, dimensional inspection report and mechanical test report, on request.