

MACHINE SCREW A4-70

METRIC PAN PHILIPS

STAINLESS STEEL



STAINLESS

STEEL

316

APPLICATION

Bremick® Used in a variety of application they are designed for use in a pre-tapped hole or with a nut. The panhead protrudes above the surface eliminating the need for countersinking.

PRODUCT ATTRIBUTES

Material Class:

Stainless Steel 316

Thread Form:

6g

Standard:

Complies to DIN 7985:1990 - Type H

Mechanical Properties:

Complies to ISO 3506-1:2020

Chemical Composition:

Complies to ISO 3506-1:2020

MECHANICAL PROPERTIES

PROPERTIES	TENSILE STRENGTH (MPa)	STRESS AT 0.2% NON-PROPORTIONAL ELONGATION (MPa)	ELONGATION AFTER FRACTURE
	MIN	MIN	MIN
CLASS 70	700	450	0.4d

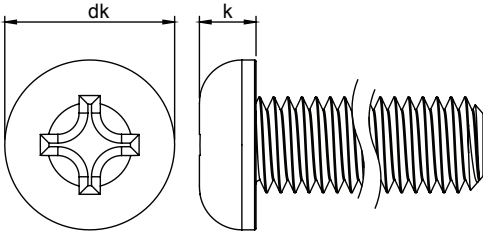
CHEMICAL COMPOSITION (%)

STAINLESS STEEL GRADE	C	Si	Mn	P	S	Cr	Mo	Ni	Cu
	MAX	MAX	MAX	MAX	MAX	RANGE	RANGE	RANGE	MAX
A4	0.08	1.00	2.00	0.045	0.030	16.0-18.5	2.00-3.00	10.0-15.0	4.0

MATERIAL INFORMATION

STAINLESS STEEL 316		
DESCRIPTION	OVERVIEW	CORROSION RESISTANCE
316 is a Marine Grade SS – It contains 2-3% Molybdenum which provides highest possible corrosion protection than 304 Stainless steel.	Bremick® 316 Stainless Steel provides the ultimate level of protection and is recommended for external application and marine environments.	Ultimate

DIMENSIONAL DATA (mm)



DIAMETER	PITCH	HEAD DIAMETER (dk)		HEAD HEIGHT (k)	
		MIN	MAX	MIN	MAX
M1.6	0.35	2.90	3.20	1.18	1.42
M2	0.40	3.70	4.00	1.48	1.72
M2.5	0.45	4.70	5.00	1.88	2.12
M3	0.50	5.70	6.00	2.28	2.52
M3.5	0.60	6.64	7.00	2.58	2.82
M4	0.70	7.64	8.00	2.95	3.25
M5	0.80	9.64	10.00	3.65	3.95
M6	1.00	11.57	12.00	4.45	4.75
M8	1.25	15.57	16.00	5.85	6.15
M10	1.50	19.48	20.00	7.32	7.68

SLOT DEPTH (mm)

SCREW DIAMETER	M1.6	M2	M2.5	M3	M3.5	M4	M5	M6	M8	M10
PHILIPS DRIVE SIZE	0	1	1	1	2	2	2	3	4	4

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Bremick Pty Ltd
Head Office | 88 Dalmeny Avenue, Rosebery 2018
National Distribution Centre | M5/M7 Logistics Park,
Warehouse 4B, 290 Kurrajong Road, Prestons NSW 2170
www.bremick.com.au