



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

PAN PHILLIPS SEMS SCREW (WASHER ATTACHED) SMALL OD



MATERIAL- STAINLESS STEEL

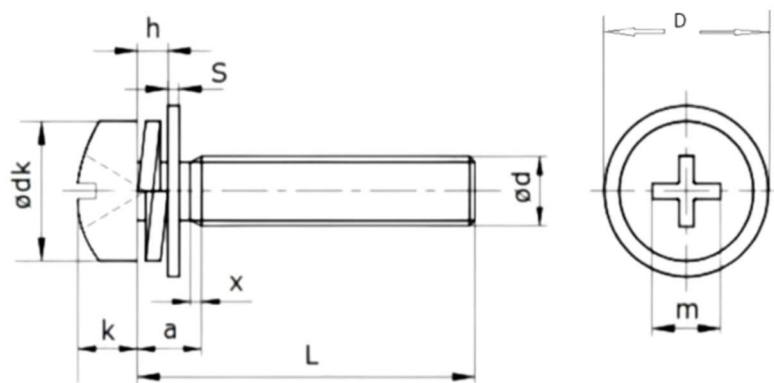
GRADE-SS316 (A4-70)

AS PER-NON-STANDARD

CATALOGUE NO. R6A14a

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF PAN PHILLIPS SEMS SCREW AND MATCHING PHILLIPS SCREWDRIVER.
- VERIFY THAT THE INTEGRATED WASHER IS SECURELY ATTACHED TO THE SCREW SHANK.
- ENSURE THE MATING HOLE OR THREAD IS CLEAN AND FREE FROM DUST, OIL, OR DEBRIS.
- ALIGN THE COMPONENTS TO BE FASTENED IN THEIR PROPER POSITION.
- INSERT THE PAN PHILLIPS SEMS SCREW INTO THE HOLE BY HAND TO START THREADING.
- PLACE THE PHILLIPS SCREWDRIVER FIRMLY INTO THE CROSS SLOT OF THE SCREW HEAD.
- TURN THE SCREWDRIVER CLOCKWISE TO TIGHTEN THE SCREW SECURELY.
- APPLY EVEN PRESSURE TO PREVENT CAM-OUT OR DAMAGE TO THE SCREW HEAD.
- DO NOT OVERTIGHTEN TO AVOID STRIPPING THREADS OR DAMAGING THE MATERIAL SURFACE.
- ENSURE THE BUILT-IN WASHER IS EVENLY SEATED AND DISTRIBUTING LOAD PROPERLY.
- INSPECT THE FINAL INSTALLATION TO CONFIRM THE SEMS SCREW IS FIRMLY SECURED AND WASHER IS FUNCTIONING AS INTENDED.



Size→ Parameter↓	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
dk (max)	3.50	4.50	5.50	7.00	9.00	10.50
dk (min)	3.20	4.20	5.20	6.64	8.50	9.80
k (max)	1.50	1.90	2.30	2.90	3.50	4.30
k (min)	1.26	1.66	2.01	2.61	3.20	4.00
D max)	4.50	5.00	6.00	8.00	9.00	11.00
a (max)	2.50	3.00	3.30	4.00	4.50	6.00
x (max)	0.80	0.90	1.00	1.40	1.60	1.80
h (nom)	1.00	1.20	1.60	1.80	2.40	3.20
m (ref)	1.90	2.70	3.50	4.40	4.90	5.50
s (max)	0.30	0.55	0.55	0.90	1.10	1.70
s (min)	0.30	0.45	0.45	0.70	0.90	1.50

Quote the PART NUMBER given below with your order/ inquiries: All Dimensions in mm

Size→ Length↓	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8	M6x1.0
5	R6A14a0205	R6A14a20505	R6A14a03005			
6	R6A14a0206	R6A14a20506	R6A14a03006	R6A14a04006		
8	R6A14a0208	R6A14a20508	R6A14a03008	R6A14a04008	R6A14a05008	
10	R6A14a02010	R6A14a20510	R6A14a03010	R6A14a04010	R6A14a05010	R6A14a06010
12	R6A14a02012	R6A14a20512	R6A14a03012	R6A14a04012	R6A14a05012	R6A14a06012
14	R6A14a02014	R6A14a20514	R6A14a03014	R6A14a04014	R6A14a05014	R6A14a06014
16	R6A14a02016	R6A14a20516	R6A14a03016	R6A14a04016	R6A14a05016	R6A14a06016
20		R6A14a20520	R6A14a03020	R6A14a04020	R6A14a05020	R6A14a06020
25		R6A14a20525	R6A14a03025	R6A14a04025	R6A14a05025	R6A14a06025
30			R6A14a03030	R6A14a04030	R6A14a05030	R6A14a06030
35				R6A14a04035	R6A14a05035	R6A14a06035
40					R6A14a05040	R6A14a06040
45						R6A14a06045
50						R6A14a06050

Sizes in BLUE are non-preferred. Availability is limited and MOQ is applied Data is strictly informative

Note: All Austenitic Stainless-Steel Fasteners may exhibit some Magnetic Properties due to the Manufacturing Process.
Refer: ISO 3506-2 Annex F