



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



8310165941 / 9959457863



sales@royalfastenersindia.com



www.royalfastenersindia.com



TECHNICAL DATA SHEET

PAN PHILLIPS SEMS SCREW (WASHER ATTACHED)



MATERIAL- STAINLESS STEEL

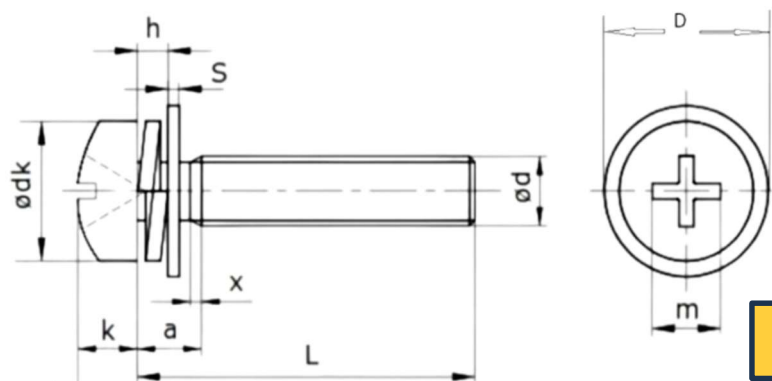
GRADE-SS316 (A4-70)

AS PER-NON-STANDARD

CATALOGUE NO. R6A14Au

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.



UNC SERIES

Size→ Parameter↓	#2-56	#4-40	#6-32	#8-32	#10-24	#10-34	1/4"-20
dk (max)	0.167	0.219	0.270	0.322	0.373	0.373	0.492
dk (min)	0.155	0.205	0.256	0.306	0.357	0.357	0.473
k (max)	0.064	0.083	0.100	0.119	0.137	0.137	0.180
k (min)	0.051	0.068	0.085	0.101	0.118	0.118	0.157
D (max)	0.250	0.383	0.446	0.508	0.570	0.570	0.749
a (max)	0.098	0.130	0.146	0.157	0.177	0.177	0.236
s (max)	0.036	0.045	0.045	0.045	0.045	0.045	0.071
s (min)	0.028	0.036	0.036	0.036	0.036	0.036	0.056
driver size	PH1	PH1	PH2	PH2	PH2	PH2	PH3
Length Tolerance	≤ 1/2" ±0.04" >1/2" - ≤1" ±0.05" >1" - ≤1-1/2" ±0.07" >1-1/2" - ≤2" ±0.09" >2" - ≤3" ±.12"						

Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in mm

Length↓ Size→	#2-56	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20
3/16"	R6A14Au25648	R6A14Au44048	R6A14Au63248				
1/4"	R6A14Au25662	R6A14Au44062	R6A14Au63262	R6A14Au83262			
5/16"	R6A14Au25679	R6A14Au44079	R6A14Au63279	R6A14Au83279	R6A14Au12479	R6A14Au22479	R6A14Au62079
3/8"	R6A14Au25691	R6A14Au44091	R6A14Au63291	R6A14Au83291	R6A14Au12491	R6A14Au22491	R6A14Au62091
7/16"	R6A14Au25611	R6A14Au44011	R6A14Au63211	R6A14Au83211	R6A14Au12411	R6A14Au22411	R6A14Au62011
1/2"	R6A14Au25613	R6A14Au44013	R6A14Au63213	R6A14Au83213	R6A14Au12413	R6A14Au22413	R6A14Au62013
5/8"	R6A14Au25615	R6A14Au44015	R6A14Au63215	R6A14Au83215	R6A14Au12415	R6A14Au22415	R6A14Au62015
3/4"	R6A14Au25619	R6A14Au44019	R6A14Au63219	R6A14Au83219	R6A14Au12419	R6A14Au22419	R6A14Au62019
7/8"	R6A14Au25623	R6A14Au44023	R6A14Au63223	R6A14Au83223	R6A14Au12423	R6A14Au22423	R6A14Au62023
1"	R6A14Au25625	R6A14Au44025	R6A14Au63225	R6A14Au83225	R6A14Au12425	R6A14Au22425	R6A14Au62025
1 1/8"		R6A14Au44028	R6A14Au63228	R6A14Au83228	R6A14Au12428	R6A14Au22428	R6A14Au62028
1 1/4"		R6A14Au44031	R6A14Au63231	R6A14Au83231	R6A14Au12431	R6A14Au22431	R6A14Au62031
1 1/2"		R6A14Au44038	R6A14Au63238	R6A14Au83238	R6A14Au12438	R6A14Au22438	R6A14Au62038
1 5/8"		R6A14Au44041	R6A14Au63241	R6A14Au83241	R6A14Au12441	R6A14Au22441	R6A14Au62041
1 3/4"		R6A14Au44044	R6A14Au63244	R6A14Au83244	R6A14Au12444	R6A14Au22444	R6A14Au62044
2"		R6A14Au44051	R6A14Au63251	R6A14Au83251	R6A14Au12451	R6A14Au22451	R6A14Au62051
2-1/2"			R6A14Au63263	R6A14Au83263	R6A14Au12463	R6A14Au22463	R6A14Au62063

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