



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

PAN PHILLIPS SCREW



MATERIAL- STAINLESS STEEL

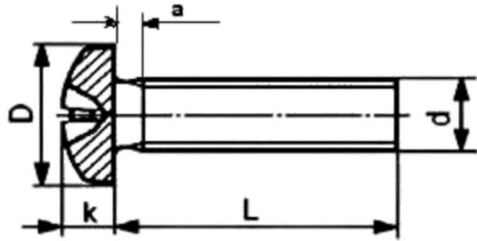
GRADE-SS316 (A4-70)

AS PER-ASME B18.6.3

CATALOGUE NO. R6A14u

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF PAN PHILLIPS SCREW AND MATCHING PHILLIPS SCREWDRIVER.
- 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 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.
- APPLY STEADY, CONTROLLED FORCE TO AVOID CAM-OUT (SLIPPING OF THE DRIVER).
- DO NOT OVERTIGHTEN TO PREVENT STRIPPING OF THREADS OR DAMAGING THE MATERIAL.
- USE A WASHER IF REQUIRED TO DISTRIBUTE LOAD AND PREVENT SURFACE DAMAGE.
- INSPECT TO ENSURE THE PAN PHILLIPS SCREW IS FIRMLY SECURED AND PROPERLY SEATED.



UNC SERIES

Size→	#2-56	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20
Screw dia d	0.086	0.112	0.138	0.164	0.19	0.216	0.25
Head Dia D	max	0.167	0.219	0.27	0.322	0.373	0.492
	min	0.155	0.205	0.256	0.306	0.357	0.473
Head height k	max	0.062	0.08	0.097	0.115	0.133	0.175
	min	0.053	0.07	0.087	0.105	0.122	0.162
Recess dia m nom	0.097	0.115	0.159	0.175	0.192	0.252	0.274
driver size	1	1	2	2	2	3	3
Length Tolerance	≤ 1/2" ±0.03" >1/2" - ≤1" ±0.04" >1" - ≤1-1/2" ±0.06" >1-1/2" - ≤2" ±0.08" >2" - ≤3" ±.10"						

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

All Dimensions in Inches

Size→ Length↓	#2-56	#4-40	#6-32	#8-32	#10-24	#12-24	1/4"-20
3/16"	R6A14u25648	R6A14u44048	R6A14u63248				
1/4"	R6A14u25662	R6A14u44062	R6A14u63262	R6A14u83262			
5/16"	R6A14u25679	R6A14u44079	R6A14u63279	R6A14u83279	R6A14u12479	R6A14u22479	R6A14u62079
3/8"	R6A14u25691	R6A14u44091	R6A14u63291	R6A14u83291	R6A14u12491	R6A14u22491	R6A14u62091
7/16"	R6A14u25611	R6A14u44011	R6A14u63211	R6A14u83211	R6A14u12411	R6A14u22411	R6A14u62011
1/2"	R6A14u25613	R6A14u44013	R6A14u63213	R6A14u83213	R6A14u12413	R6A14u22413	R6A14u62013
5/8"	R6A14u25615	R6A14u44015	R6A14u63215	R6A14u83215	R6A14u12415	R6A14u22415	R6A14u62015
3/4"	R6A14u25619	R6A14u44019	R6A14u63219	R6A14u83219	R6A14u12419	R6A14u22419	R6A14u62019
7/8"	R6A14u25623	R6A14u44023	R6A14u63223	R6A14u83223	R6A14u12423	R6A14u22423	R6A14u62023
1"	R6A14u25625	R6A14u44025	R6A14u63225	R6A14u83225	R6A14u12425	R6A14u22425	R6A14u62025
1 1/8"		R6A14u44028	R6A14u63228	R6A14u83228	R6A14u12428	R6A14u22428	R6A14u62028
1 1/4"		R6A14u44031	R6A14u63231	R6A14u83231	R6A14u12431	R6A14u22431	R6A14u62031
1 1/2"		R6A14u44038	R6A14u63238	R6A14u83238	R6A14u12438	R6A14u22438	R6A14u62038
1 5/8"		R6A14u44041	R6A14u63241	R6A14u83241	R6A14u12441	R6A14u22441	R6A14u62041
1 3/4"		R6A14u44044	R6A14u63244	R6A14u83244	R6A14u12444	R6A14u22444	R6A14u62044
2"		R6A14u44051	R6A14u63251	R6A14u83251	R6A14u12451	R6A14u22451	R6A14u62051
2-1/2"			R6A14u63263	R6A14u83263	R6A14u12463	R6A14u22463	R6A14u62063

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