



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

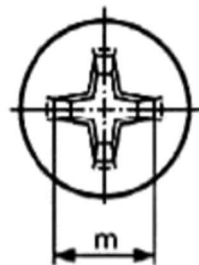
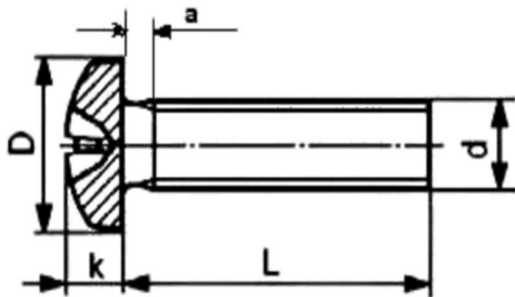
GRADE-SS316 (A4-70)

AS PER-ASME B18.6.3

CATALOGUE NO. R6A14v

### 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.



**UNF SERIES**

Size→	#0-80	#1-72	#2-64	#3-56	#4-48	#5-44	#6-40
Screw dia d	0.060	0.073	0.086	0.099	0.112	0.125	0.138
Head Dia D	max	0.116	0.142	0.167	0.193	0.245	0.270
	min	0.104	0.130	0.155	0.180	0.231	0.256
Head height k	max	0.044	0.053	0.062	0.071	0.080	0.089
	min	0.036	0.044	0.053	0.062	0.07	0.079
Recess dia m nom	0.060	0.066	0.097	0.010	0.115	0.150	0.159
driver size	0	0	1	1	1	2	2

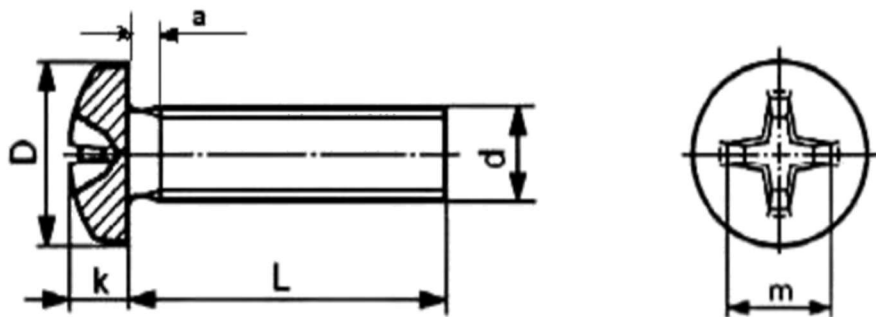
Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in Inches

Size→ Length↓	#0-80	#1-72	#2-64	#3-56	#4-48	#5-44	#6-40
1/8"	R6A14v08032	R6A14v17232					
5/32"	R6A14v08039	R6A14v17239	R6A14v26439				
3/16"	R6A14v08048	R6A14v17248	R6A14v26448	R6A14v35648	R6A14v44848		
1/4"	R6A14v08062	R6A14v17262	R6A14v26462	R6A14v35662	R6A14v44862	R6A14v54462	R6A14v64062
5/16"	R6A14v08079	R6A14v17279	R6A14v26479	R6A14v35679	R6A14v44879	R6A14v54479	R6A14v64079
3/8"	R6A14v08091	R6A14v17291	R6A14v26491	R6A14v35691	R6A14v44891	R6A14v54491	R6A14v64091
1/2"	R6A14v08013	R6A14v17213	R6A14v26413	R6A14v35613	R6A14v44813	R6A14v54413	R6A14v64013
5/8"	R6A14v08015	R6A14v17215	R6A14v26415	R6A14v35615	R6A14v44815	R6A14v54415	R6A14v64015
3/4"	R6A14v08019	R6A14v17219	R6A14v26419	R6A14v35619	R6A14v44819	R6A14v54419	R6A14v64019
7/8"	R6A14v08023	R6A14v17223	R6A14v26423	R6A14v35623	R6A14v44823	R6A14v54423	R6A14v64023
1"	R6A14v08025	R6A14v17225	R6A14v26425	R6A14v35625	R6A14v44825	R6A14v54425	R6A14v64025
1 1/8"				R6A14v35628	R6A14v44828	R6A14v54428	R6A14v64028
1 1/4"				R6A14v35631	R6A14v44831	R6A14v54431	R6A14v64031
1 1/2"				R6A14v35638	R6A14v44838	R6A14v54438	R6A14v64038
1 5/8"					R6A14v44841	R6A14v54441	R6A14v64041
1 3/4"					R6A14v44844	R6A14v54444	R6A14v64044
2"					R6A14v44851	R6A14v54451	R6A14v64051
2-1/2"							R6A14v64063
3"							R6A14v13275

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



**UNF SERIES**

Size→	#8-36	#10-32	#12-28	1/4"-28	5/16"-24	3/8"-24
Screw dia d	0.164	0.190	.216	0.250	0.3125	0.375
Head Dia D	max	0.322	0.373	0.425	0.492	0.615
	min	0.306	0.357	0.407	0.473	0.594
Head height k	max	0.115	0.133	0.151	0.175	0.218
	min	0.105	0.122	0.139	0.162	0.203
Recess dia m nom	0.175	0.192	0.252	0.274	0.343	0.383
driver size	2	2	3	3	4	4

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

All Dimensions in Inches

Length↓ Size→	#8-36	#10-32	#12-28	1/4"-28	5/16"-24	3/8"-24
3/16"	R6A14v83648	R6A14v13248				
1/4"	R6A14v83679	R6A14v13262				
5/16"	R6A14v83679	R6A14v13279	R6A14v12879	R6A14v62079		
3/8"	R6A14v83691	R6A14v13291	R6A14v12891	R6A14v62091	R6A14v79091	R6A14v91091
1/2"	R6A14v83613	R6A14v13213	R6A14v12813	R6A14v62013	R6A14v79013	R6A14v91013
5/8"	R6A14v83615	R6A14v13215	R6A14v12815	R6A14v62015	R6A14v79015	R6A14v91015
3/4"	R6A14v83619	R6A14v13219	R6A14v12819	R6A14v62019	R6A14v79019	R6A14v91019
7/8"	R6A14v83623	R6A14v13223	R6A14v12823	R6A14v62023	R6A14v79023	R6A14v91023
1"	R6A14v83625	R6A14v13225	R6A14v12825	R6A14v62025	R6A14v79025	R6A14v91025
1 1/8"	R6A14v83628	R6A14v13228	R6A14v12828	R6A14v62028	R6A14v79028	R6A14v91028
1 1/4"	R6A14v83631	R6A14v13231	R6A14v12831	R6A14v62031	R6A14v79031	R6A14v91031
1 1/2"	R6A14v83638	R6A14v13238	R6A14v12838	R6A14v62038	R6A14v79038	R6A14v91038
1 5/8"	R6A14v83641	R6A14v13241	R6A14v12841	R6A14v62041	R6A14v79041	R6A14v91041
1 3/4"	R6A14v83644	R6A14v13244	R6A14v12844	R6A14v62044	R6A14v79044	R6A14v91044
2"	R6A14v83651	R6A14v13251	R6A14v12851	R6A14v62051	R6A14v79051	R6A14v91051
2-1/2"	R6A14v83663	R6A14v13263	R6A14v12863	R6A14v62063	R6A14v79063	R6A14v91063
3"	R6A14v62075	R6A14v13275	R6A14v12875	R6A14v62075	R6A14v79075	R6A14v91075

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