GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST

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TECHNICAL DATA SHEET

ALLEN GRUB SCREW FLAT POINT



MATERIAL- STAINLESS STEEL

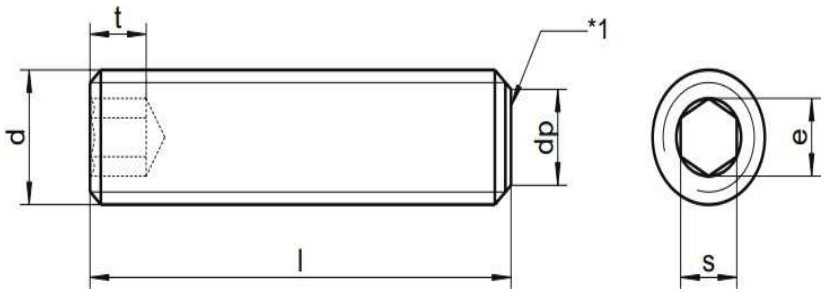
GRADE-SS316 (A4-70)

AS PER-DIN-913 OR ISO-4026

CATALOGUE NO. R6C41

INSTALLATION GUIDE

- **SELECT THE CORRECT SIZE OF ALLEN GRUB SCREW FLAT POINT AND MATCHING ALLEN (HEX) KEY OR DRIVER.**
- **ENSURE THE THREADED HOLE OR MATING COMPONENT IS CLEAN AND FREE FROM OIL, DUST, OR DEBRIS.**
- **ALIGN THE SHAFT, COLLAR, OR COMPONENT IN THE CORRECT POSITION BEFORE INSTALLATION.**
- **INSERT THE GRUB SCREW INTO THE THREADED HOLE BY HAND TO START THREADING PROPERLY.**
- **PLACE THE ALLEN KEY FIRMLY INTO THE HEX SOCKET OF THE GRUB SCREW.**
- **TURN THE DRIVER CLOCKWISE TO TIGHTEN THE SCREW EVENLY AND SECURELY.**
- **APPLY CONTROLLED TORQUE TO ENSURE THE FLAT POINT MAKES FULL CONTACT WITH THE MATING SURFACE.**
- **ENSURE THE GRUB SCREW SITS FLUSH OR SLIGHTLY BELOW THE SURFACE AFTER INSTALLATION.**
- **DO NOT OVERTIGHTEN TO AVOID THREAD STRIPPING OR DAMAGE TO THE COMPONENT SURFACE.**
- **USE THREAD-LOCKING ADHESIVE IF REQUIRED FOR VIBRATION RESISTANCE OR PERMANENT FIXING.**
- **VERIFY THAT THE COMPONENT IS FIRMLY LOCKED AND THERE IS NO UNWANTED MOVEMENT AFTER INSTALLATION.**



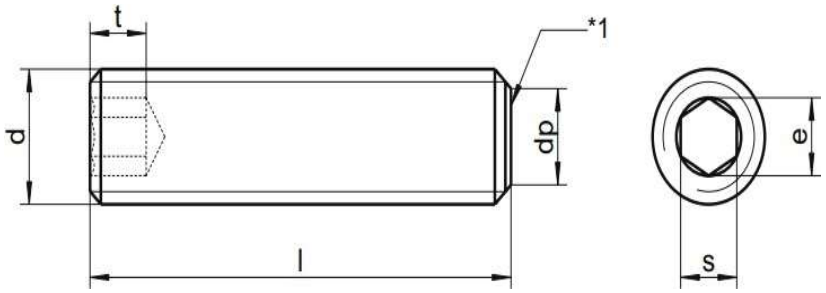
Parameter↓ Size→		M1.6x0.35	M2 x 0.4	M2.5 x 0.45	M3 x 0.5	M4 x 0.7	M5 x 0.8
end Dia dp	max	0.80	1.00	1.50	2.00	2.50	3.50
	min	0.55	0.75	1.25	1.75	2.25	3.20
socket depth t	min	0.70	0.80	1.20	1.20	1.50	2.00
	max	1.50	1.70	2.00	2.00	2.50	3.00
key size s	min	0.711	0.889	1.270	1.520	2.020	2.520
	max	0.724	0.902	1.295	1.545	2.045	2.560
e min	min	0.803	1.003	1.427	1.730	2.300	2.870

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

Length↓ Size→	M1.6x0.35	M2 x 0.4	M2.5 x 0.45	M3 x 0.5	M4 x 0.7	M5 x 0.8
2	R6C4110602	R6C4102002				
3	R6C4110603	R6C4102003	R6C4120503	R6C4103003	R6C4104003	
4	R6C4110604	R6C4102004	R6C4103004	R6C4103004	R6C4104004	R6C4105004
5	R6C4110605	R6C4102005	R6C4120505	R6C4103005	R6C4104005	R6C4105005
6	R6C4110606	R6C4102006	R6C4120506	R6C4103006	R6C4104006	R6C4105006
8	R6C4110608	R6C4102008	R6C4120508	R6C4103008	R6C4104008	R6C4105008
10	R6C4110610	R6C4102010	R6C4120510	R6C4103010	R6C4104010	R6C4105010
12	R6C4110612	R6C4102012	R6C4120512	R6C4103012	R6C4104012	R6C4105012
14		R6C4102014	R6C4120514	R6C4103014	R6C4104014	R6C4105014
16		R6C4102016	R6C4120516	R6C4103016	R6C4104016	R6C4105016
18				R6C4103018	R6C4104018	R6C4105018
20				R6C4103020	R6C4104020	R6C4105020
25				R6C4103025	R6C4104025	R6C4105025
30				R6C4103030	R6C4104030	R6C4105030
35				R6C4103035	R6C4104035	R6C4105035
40				R6C4103040	R6C4104040	R6C4105040
45					R6C4104045	R6C4105045
50					R6C4104050	R6C4105050
55						R6C4105055
60						R6C4105060

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



Parameter↓ Size→		M6 x 1.0	M8 x 1.25	M10 x 1.5	M12 x 1.75	M16 x 2.0	M20 x 2.5
end Dia dp	max	4.00	5.50	7.00	8.50	12.00	15.00
	min	3.70	5.20	6.64	8.14	11.57	14.57
socket depth t	min	2.00	3.00	4.00	4.80	6.40	8.00
	max	3.50	5.00	6.00	8.00	10.00	12.00
key size s	min	3.020	4.020	5.020	6.020	8.025	10.025
	max	3.080	4.095	5.095	6.095	8.115	10.115
e min	min	3.440	4.580	5.720	6.860	9.150	11.430

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

Length↓ Size→	M6 x 1.0	M8 x 1.25	M10 x 1.5	M12 x 1.75	M16 x 2.0	M20 x 2.5
5	R6C4106005					
6	R6C4106006	R6C4108006	R6C4110006			
8	R6C4106008	R6C4108008	R6C4110008	R6C4112008		
10	R6C4106010	R6C4108010	R6C4110010	R6C4112010		
12	R6C4106012	R6C4108012	R6C4110012	R6C4112012		
14	R6C4106014	R6C4108014	R6C4110014	R6C4112014	R6C4116014	
16	R6C4106016	R6C4108016	R6C4110016	R6C4112016	R6C4116016	
18	R6C4106018	R6C4108018	R6C4110018	R6C4112018	R6C4116018	
20	R6C4106020	R6C4108020	R6C4110020	R6C4112020	R6C4116020	R6C4120020
25	R6C4106025	R6C4108025	R6C4110025	R6C4112025	R6C4116025	R6C4120025
30	R6C4106030	R6C4108030	R6C4110030	R6C4112030	R6C4116030	R6C4120030
35	R6C4106035	R6C4108035	R6C4110035	R6C4112035	R6C4116035	R6C4120035
40	R6C4106040	R6C4108040	R6C4110040	R6C4112040	R6C4116040	R6C4120040
45	R6C4106045	R6C4108045	R6C4110045	R6C4112045	R6C4116045	R6C4120045
50	R6C4106050	R6C4108050	R6C4110050	R6C4112050	R6C4116050	R6C4120050
55	R6C4106055	R6C4108055	R6C4110055	R6C4112055	R6C4116055	R6C4120055
60	R6C4106060	R6C4108060	R6C4110060	R6C4112060	R6C4116060	R6C4120060
70	R6C4106070	R6C4108070	R6C4110070	R6C4112070	R6C4116070	R6C4120070
80	R6C4106080	R6C4108080	R6C4110080	R6C4112080	R6C4116080	R6C4120080
90		R6C4108090	R6C4110090	R6C4112090	R6C4116090	R6C4120090
100		R6C4108100	R6C4110100	R6C4112100	R6C4116100	R6C4120100
120		R6C4108120	R6C4110120	R6C4112120		

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