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

ALLEN GRUB SCREW DOG POINT



MATERIAL-STAINLESS STEEL

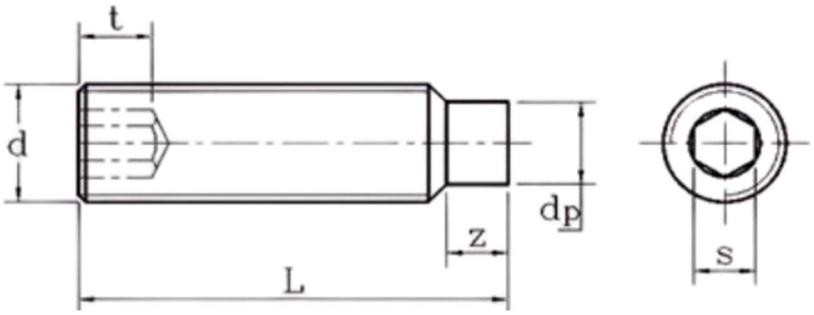
GRADE-SS316 (A4-70)

AS PER-DIN-915 OR ISO-4028

CATALOGUE NO. R6C49

INSTALLATION GUIDE

- VERIFY THE GRUB SCREW SIZE, THREAD PITCH, LENGTH, AND STAINLESS-STEEL GRADE BEFORE INSTALLATION.
- INSPECT THE SCREW FOR THREAD DAMAGE, DEFORMATION, OR SURFACE DEFECTS.
- ENSURE THE MATING THREADED HOLE MATCHES THE SCREW'S THREAD SPECIFICATION.
- CLEAN THE THREADED HOLE AND MATING SURFACES TO REMOVE DUST, OIL, GREASE, AND DEBRIS.
- CHECK THAT THE MATING SHAFT OR COMPONENT HAS A SUITABLE FLAT OR RECESS FOR THE DOG POINT, AS REQUIRED BY THE DESIGN.
- ALIGN THE GRUB SCREW WITH THE THREADED HOLE TO ENSURE PROPER ENGAGEMENT.
- START THREADING THE SCREW BY HAND TO PREVENT CROSS-THREADING.
- USE A SUITABLE ALLEN KEY OR HEX BIT THAT MATCHES THE INTERNAL DRIVE SIZE.
- TIGHTEN THE SCREW GRADUALLY TO GUIDE THE DOG POINT INTO THE MATING RECESS OR POSITION.
- ENSURE THE DOG POINT ENGAGES CORRECTLY WITHOUT DAMAGING THE SHAFT OR MATING SURFACE.
- APPLY THE RECOMMENDED TIGHTENING TORQUE ACCORDING TO THE SCREW SIZE AND APPLICATION.
- AVOID EXCESSIVE TIGHTENING, AS IT MAY DAMAGE THE INTERNAL HEX DRIVE, THREADS, OR MATING COMPONENT.
- USE A SUITABLE THREAD-LOCKING COMPOUND WHEN REQUIRED BY THE APPLICATION.
- VERIFY THAT THE SCREW IS SECURELY INSTALLED AND THE MATING COMPONENT IS PROPERLY POSITIONED.
- INSPECT THE FINAL ASSEMBLY FOR PROPER ENGAGEMENT, ALIGNMENT, AND SECURE FASTENING.



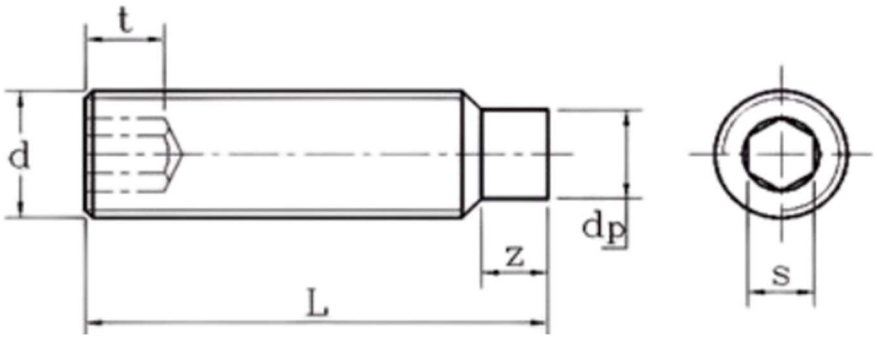
Quote the PART NUMBER given below with your order/ inquiries: **All Dimensions in mm**

Parameter↓ Size→		M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
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	0.7	0.8	1.2	1.2	1.5	2.0
Key size s	nom	0.7	0.9	1.3	1.5	2.0	2.5
z (Short dog point)	min	0.40	0.50	0.63	0.75	1.00	1.25
	max	0.65	0.75	0.88	1.00	1.25	1.50
z (Long dog point)	min	0.80	1.00	1.25	1.50	2.00	2.50
	max	1.05	1.25	1.50	1.75	2.25	2.75
e min		0.803	1.003	1.427	1.730	2.300	2.870

Length↓ Size →	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
2	R6C4910602	R6C4902002				
3	R6C4910603	R6C4902003	R6C4920503	R6C4903003	R6C4904003	
4	R6C4910604	R6C4902004	R6C4920504	R6C4903004	R6C4904004	R6C4905004
5	R6C4910605	R6C4902005	R6C4920505	R6C4903005	R6C4904005	R6C4905005
6	R6C4910606	R6C4902006	R6C4920506	R6C4903006	R6C4904006	R6C4905006
8	R6C4910608	R6C4902008	R6C4920508	R6C4903008	R6C4904008	R6C4905008
10		R6C4902010	R6C4920510	R6C4903010	R6C4904010	R6C4905010
12		R6C4902012	R6C4920512	R6C4903012	R6C4904012	R6C4905012
14		R6C4902014	R6C4920514	R6C4903014	R6C4904014	R6C4905014
16		R6C4902016	R6C4920516	R6C4903016	R6C4904016	R6C4905016
18				R6C4903018	R6C4904018	R6C4905018
20				R6C4903020	R6C4904020	R6C4905020
25				R6C4903025	R6C4904025	R6C4905025
30				R6C4903030	R6C4904030	R6C4905030
35				R6C4903035	R6C4904035	R6C4905035
40				R6C4903040	R6C4904040	R6C4905040
45					R6C4904045	R6C4905045
50					R6C4904050	R6C4905050
55						R6C4905055
60						R6C4905060

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



Quote the item code given below with your order/ inquiries: Dimensions in mm

Parameter↓ Size→		M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
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	2.0	3.0	4.0	4.8	6.4	8.0
Key size s	nom	3	4	5	6	8	10
z (Short dog point)	min	1.50	2.00	2.50	3.00	4.00	5.00
	max	1.75	2.25	2.75	3.25	4.30	5.30
z (Long dog point)	min	3.00	4.00	5.00	6.00	8.00	10.00
	max	3.25	4.30	5.30	6.30	8.36	10.36
e min		3.440	4.580	5.720	6.860	9.149	11.429

Length↓ Size →	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
5	R6C4906005					
6	R6C4906006	R6C4908006	R6C4910006			
8	R6C4906008	R6C4908008	R6C4910008	R6C4912008		
10	R6C4906010	R6C4908010	R6C4910010	R6C4912010		
12	R6C4906012	R6C4908012	R6C4910012	R6C4912012		
14	R6C4906014	R6C4908014	R6C4910014	R6C4912014	R6C4916014	
16	R6C4906016	R6C4908016	R6C4910016	R6C4912016	R6C4916016	
18	R6C4906018	R6C4908018	R6C4910018	R6C4912018	R6C4916018	
20	R6C4906020	R6C4908020	R6C4910020	R6C4912020	R6C4916020	R6C4920020
25	R6C4906025	R6C4908025	R6C4910025	R6C4912025	R6C4916025	R6C4920025
30	R6C4906030	R6C4908030	R6C4910030	R6C4912030	R6C4916030	R6C4920030
35	R6C4906035	R6C4908035	R6C4910035	R6C4912035	R6C4916035	R6C4920035
40	R6C4906040	R6C4908040	R6C4910040	R6C4912040	R6C4916040	R6C4920040
45	R6C4906045	R6C4908045	R6C4910045	R6C4912045	R6C4916045	R6C4920045
50	R6C4906050	R6C4908050	R6C4910050	R6C4912050	R6C4916050	R6C4920050
55	R6C4906055	R6C4908055	R6C4910055	R6C4912055	R6C4916055	R6C4920055
60	R6C4906060	R6C4908060	R6C4910060	R6C4912060	R6C4916060	R6C4920060
70	R6C4906070	R6C4908070	R6C4910070	R6C4912070	R6C4916070	R6C4920070
80	R6C4906080	R6C4908080	R6C4910080	R6C4912080	R6C4916080	R6C4920080
90		R6C4908090	R6C4910090	R6C4912090	R6C4916090	R6C4920090
100		R6C4908100	R6C4910100	R6C4912100	R6C4916100	R6C4920100
120		R6C4908120	R6C4910120	R6C4912120		

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