



GST NO.: 29AHZPU5620Q1ZZ

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TECHNICAL DATA SHEET

ALLEN GRUB SCREW CONE POINT



MATERIAL- STAINLESS STEEL

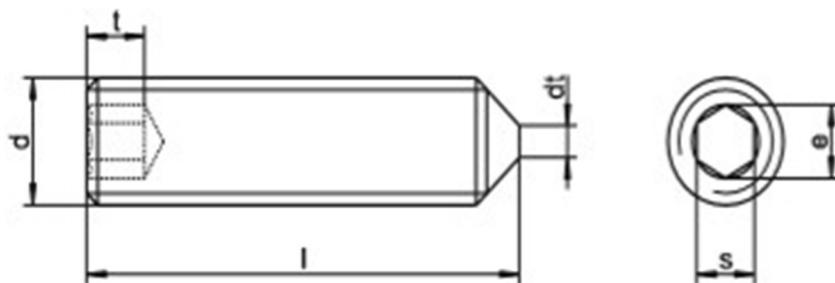
GRADE-SS316 (A4-70)

AS PER-DIN-914 OR ISO-4027

CATALOGUE NO. R6C48

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ALLEN GRUB SCREW CONE POINT AND MATCHING ALLEN (HEX) KEY OR DRIVER.
- ENSURE THE THREADED HOLE OR MATING COMPONENT IS CLEAN AND FREE FROM DUST, OIL, 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 GRADUALLY AND EVENLY.
- APPLY CONTROLLED TORQUE TO ALLOW THE CONE POINT TO PENETRATE OR LOCATE SECURELY INTO THE MATING SURFACE.
- ENSURE THE GRUB SCREW IS FLUSH OR SLIGHTLY BELOW THE SURFACE AFTER INSTALLATION.
- DO NOT OVERTIGHTEN TO AVOID DAMAGING THE MATING PART OR STRIPPING THE THREADS.
- USE THREAD-LOCKING ADHESIVE IF REQUIRED FOR VIBRATION RESISTANCE OR PERMANENT FIXING.
- VERIFY THAT THE GRUB SCREW FIRMLY SECURES THE COMPONENT AND PREVENTS ANY ROTATIONAL MOVEMENT.



Note: Cone angle is 120° for lengths above the thick line and 90° for longer lengths

Parameter↓ Size→	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
Cone end dt	max	-	-	-	-	-
	min	-	-	-	-	-
t Socket depth	min	0.70	0.80	1.20	1.20	1.50
	max	1.50	1.70	2.00	2.00	2.50
Key size s	min	0.711	0.889	1.270	1.520	2.020
	max	0.724	0.902	1.295	1.545	2.045
e 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

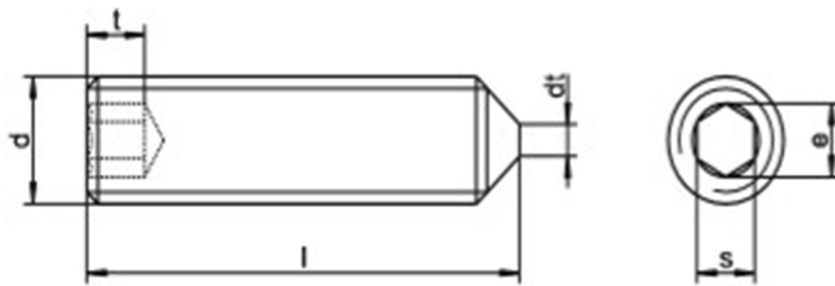
Size → Length↓	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
2	R6C4810602	R6C4802002				
3	R6C4810603	R6C4802003	R6C4820503	R6C4803003	R6C4804003	
4	R6C4810604	R6C4802004	R6C4820504	R6C4803004	R6C4804004	R6C4805004
5	R6C4810605	R6C4802005	R6C4820505	R6C4803005	R6C4804005	R6C4805005
6	R6C4810606	R6C4802006	R6C4820506	R6C4803006	R6C4804006	R6C4805006
8	R6C4810608	R6C4802008	R6C4820508	R6C4803008	R6C4804008	R6C4805008
10	R6C4810610	R6C4802010	R6C4820510	R6C4803010	R6C4804010	R6C4805010
12	R6C4810612	R6C4802012	R6C4820512	R6C4803012	R6C4804012	R6C4805012
14		R6C4802014	R6C4820514	R6C4803014	R6C4804014	R6C4805014
16		R6C4802016	R6C4820516	R6C4803016	R6C4804016	R6C4805016
18				R6C4803018	R6C4804018	R6C4805018
20				R6C4803020	R6C4804020	R6C4805020
25				R6C4803025	R6C4804025	R6C4805025
30				R6C4803030	R6C4804030	R6C4805030
35					R6C4804035	R6C4805035
40					R6C4804040	R6C4805040
45					R6C4804045	R6C4805045
50					R6C4804050	R6C4805050
55						R6C4805055
60						R6C4805060

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



Note: Cone angle is 120° for lengths above the thick line and 90° for longer lengths

Parameter↓ Size→		M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
Cone end dt	max	1.50	2.00	2.50	3.00	4.00	5.00
	min	0.90	1.40	1.90	2.40	3.25	4.25
t Socket depth	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		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

Size → Length↓	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
6	R6C4806006	R6C4808006				
8	R6C4806008	R6C4808008				
10	R6C4806010	R6C4808010	R6C4810010	R6C4812010		
12	R6C4806012	R6C4808012	R6C4810012	R6C4812012		
14	R6C4806014	R6C4808014	R6C4810014	R6C4812014	R6C4816014	
16	R6C4806016	R6C4808016	R6C4810016	R6C4812016	R6C4816016	
18	R6C4806018	R6C4808018	R6C4810018	R6C4812018	R6C4816018	
20	R6C4806020	R6C4808020	R6C4810020	R6C4812020	R6C4816020	R6C4820020
25	R6C4806025	R6C4808025	R6C4810025	R6C4812025	R6C4816025	R6C4820025
30	R6C4806030	R6C4808030	R6C4810030	R6C4812030	R6C4816030	R6C4820030
35	R6C4806035	R6C4808035	R6C4810035	R6C4812035	R6C4816035	R6C4820035
40	R6C4806040	R6C4808040	R6C4810040	R6C4812040	R6C4816040	R6C4820040
45	R6C4806045	R6C4808045	R6C4810045	R6C4812045	R6C4816045	R6C4820045
50	R6C4806050	R6C4808050	R6C4810050	R6C4812050	R6C4816050	R6C4820050
55	R6C4806055	R6C4808055	R6C4810055	R6C4812055	R6C4816055	R6C4820055
60	R6C4806060	R6C4808060	R6C4810060	R6C4812060	R6C4816060	R6C4820060
70		R6C4808070	R6C4810070	R6C4812070	R6C4816070	R6C4820070
80		R6C4808080	R6C4810080	R6C4812080	R6C4816080	R6C4820080
90				R6C4812090	R6C4816090	R6C4820090
100					R6C4816100	R6C4820100

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