



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

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QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

ALLEN GRUB SCREW CUP POINT



MATERIAL- STAINLESS STEEL

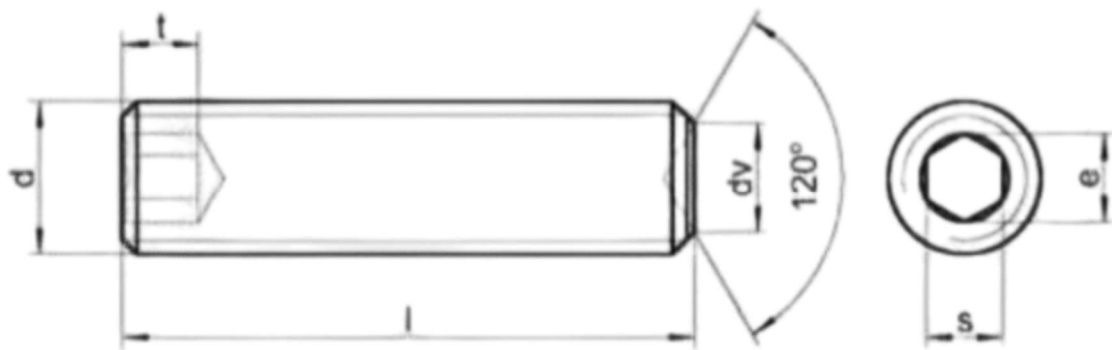
GRADE-SS316 (A4-70)

AS PER- DIN-916 OR ISO-4029

CATALOGUE NO. R6C40

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ALLEN GRUB SCREW CUP POINT AND MATCHING ALLEN (HEX) KEY OR DRIVER.
- ENSURE THE MATING HOLE OR THREADED COMPONENT IS CLEAN AND FREE FROM DUST, OIL, OR DEBRIS.
- ALIGN THE COMPONENTS OR SHAFT AND HUB ACCURATELY BEFORE INSTALLATION.
- INSERT THE GRUB SCREW INTO THE THREADED HOLE BY HAND TO START THREADING.
- PLACE THE ALLEN KEY OR DRIVER FIRMLY INTO THE HEX SOCKET OF THE GRUB SCREW.
- TURN THE DRIVER CLOCKWISE TO TIGHTEN THE SCREW SECURELY.
- APPLY STEADY AND CONTROLLED TORQUE TO ALLOW THE CUP POINT TO BITE INTO THE MATING SURFACE.
- ENSURE THE GRUB SCREW IS FLUSH OR SLIGHTLY BELOW THE SURFACE AFTER INSTALLATION.
- AVOID OVERTIGHTENING TO PREVENT THREAD DAMAGE OR DEFORMATION OF THE SHAFT SURFACE.
- IF REQUIRED, USE THREAD-LOCKING ADHESIVE FOR VIBRATION RESISTANCE AND LONG-TERM SECURITY.
- VERIFY THAT THE GRUB SCREW FIRMLY HOLDS THE COMPONENT IN PLACE WITHOUT ANY MOVEMENT.



Parameter↓	Thread Size d→	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
dv Cup Dia	Max	0.80	1.00	1.20	1.40	2.00	2.50
	Min	0.55	0.75	0.95	1.15	1.75	2.25
t (Socket Depth)	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		0.70	0.90	1.30	1.50	2.00	2.50
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	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

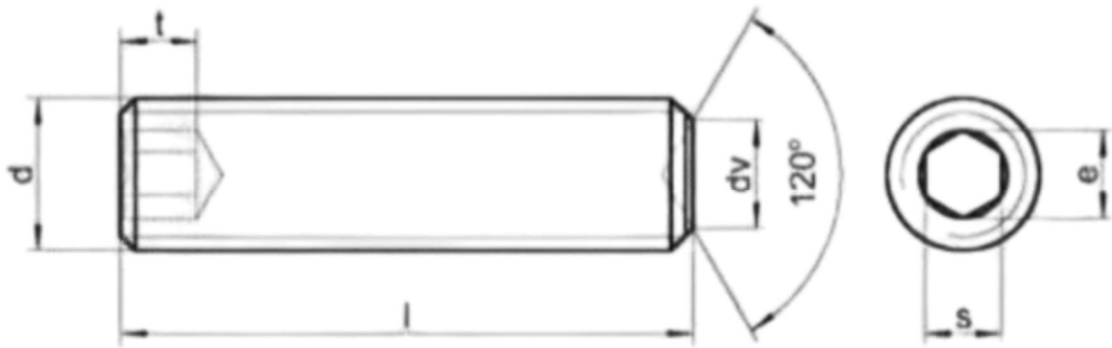
Length ↓	Dia→	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M4x0.7	M5x0.8
2		R6C4010602	R6C4002002				
3		R6C4010603	R6C4002003	R6C4020503	R6C4003003	R6C4004003	
4		R6C4010604	R6C4002004	R6C4020504	R6C4003004	R6C4004004	R6C4005004
5		R6C4010605	R6C4002005	R6C4020505	R6C4003005	R6C4004005	R6C4005005
6		R6C4010606	R6C4002006	R6C4020506	R6C4003006	R6C4004006	R6C4005006
8		R6C4010608	R6C4002008	R6C4020508	R6C4003008	R6C4004008	R6C4005008
10		R6C4010610	R6C4002010	R6C4020510	R6C4003010	R6C4004010	R6C4005010
12		R6C4010612	R6C4002012	R6C4020512	R6C4003012	R6C4004012	R6C4005012
14			R6C4002014	R6C4020514	R6C4003014	R6C4004014	R6C4005014
16			R6C4002016	R6C4020516	R6C4003016	R6C4004016	R6C4005016
18			R6C4002018	R6C4020518	R6C4003018	R6C4004018	R6C4005018
20					R6C4003020	R6C4004020	R6C4005020
25					R6C4003025	R6C4004025	R6C4005025
30					R6C4003030	R6C4004030	R6C4005030
35					R6C4003035	R6C4004035	R6C4005035
40					R6C4003040	R6C4004040	R6C4005040
45						R6C4004045	R6C4005045
50						R6C4004050	R6C4005050
55							R6C4005055
60							R6C4005060

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↓	Thread Size d→	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
dv Cup Dia	Max	3.00	5.00	6.00	8.00	10.00	14.00
	Min	2.75	4.70	5.70	7.64	9.64	13.57
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		3.00	4.00	5.00	6.00	8.00	10.00
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

Length ↓	Dia→	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M16x2.0	M20x2.5
5		R6C4006005					
6		R6C4006006	R6C4008006				
8		R6C4006008	R6C4008008	R6C4010008			
10		R6C4006010	R6C4008010	R6C4010010	R6C4012010		
12		R6C4006012	R6C4008012	R6C4010012	R6C4012012		
14		R6C4006014	R6C4008014	R6C4010014	R6C4012014	R6C4016014	
16		R6C4006016	R6C4008016	R6C4010016	R6C4012016	R6C4016016	
18		R6C4006018	R6C4008018	R6C4010018	R6C4012018	R6C4016018	
20		R6C4006020	R6C4008020	R6C4010020	R6C4012020	R6C4016020	R6C4020020
25		R6C4006025	R6C4008025	R6C4010025	R6C4012025	R6C4016025	R6C4020025
30		R6C4006030	R6C4008030	R6C4010030	R6C4012030	R6C4016030	R6C4020030
35		R6C4006035	R6C4008035	R6C4010035	R6C4012035	R6C4016035	R6C4020035
40		R6C4006040	R6C4008040	R6C4010040	R6C4012040	R6C4016040	R6C4020040
45		R6C4006045	R6C4008045	R6C4010045	R6C4012045	R6C4016045	R6C4020045
50		R6C4006050	R6C4008050	R6C4010050	R6C4012050	R6C4016050	R6C4020050
55		R6C4006055	R6C4008055	R6C4010055	R6C4012055	R6C4016055	R6C4020055
60		R6C4006060	R6C4008060	R6C4010060	R6C4012060	R6C4016060	R6C4020060
70		R6C4006070	R6C4008070	R6C4010070	R6C4012070	R6C4016070	R6C4020070
80		R6C4006080	R6C4008080	R6C4010080	R6C4012080	R6C4016080	R6C4020080
90			R6C4008090	R6C4010090	R6C4012090	R6C4016090	R6C4020090
100			R6C4008100	R6C4010100	R6C4012100	R6C4016100	R6C4020100

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