



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

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QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

HEX SCREW



MATERIAL- STAINLESS STEEL

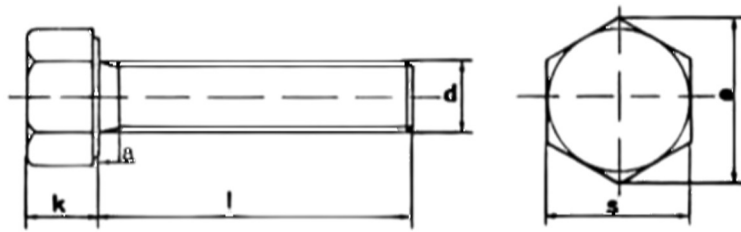
GRADE-SS316 (A4-70)

AS PER-DIN-933

CATALOGUE NO. R6D39

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF HEX SCREW AND HEX KEY/ALLEN WRENCH.
- ENSURE THE MATERIAL SURFACE IS CLEAN AND FREE FROM DUST OR DEBRIS.
- ALIGN THE HEX SCREW WITH THE PRE-DRILLED HOLE OR FASTENING POINT.
- INSERT THE HEX SCREW INTO THE HOLE BY HAND TO START THREADING.
- USE THE HEX KEY/ALLEN WRENCH TO TIGHTEN THE SCREW CLOCKWISE.
- APPLY EVEN PRESSURE TO AVOID STRIPPING THE HEX SOCKET.
- DO NOT OVERTIGHTEN TO PREVENT DAMAGE TO THE MATERIAL OR THREADS.
- IF REQUIRED, USE A TORQUE WRENCH TO ENSURE ACCURATE TIGHTENING.
- FOR METAL-TO-METAL INSTALLATION, USE A WASHER TO DISTRIBUTE LOAD.
- INSPECT THE INSTALLED HEX SCREW TO CONFIRM FIRM AND SECURE FIT.



a = thread runout as per ISO 3508

At screw end, Incomplete thread - 2 pitch max

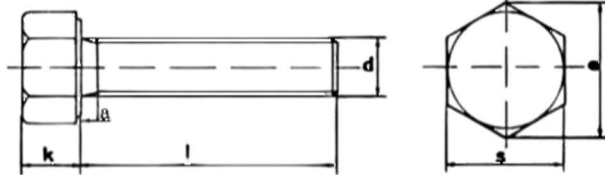
Parameter↓	Size→	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7
s	Max	4.00	5.00	5.50	6.00	7.00
	Min	3.82	4.82	5.32	5.82	6.78
k	Max	1.52	1.82	2.12	2.52	2.92
	Min	1.28	1.58	1.88	2.28	2.68
e	Min	4.32	5.45	6.01	6.58	7.66
a	Max	1.20	1.35	1.50	1.80	2.10

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

All Dimensions in mm

Length ↓	Size→	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7
3		R6D3902003	R6D3920503	R6D3903003		
4		R6D3902004	R6D3920504	R6D3903004	R6D3930504	R6D3904004
5		R6D3902005	R6D3920505	R6D3903005	R6D3930505	R6D3904005
6		R6D3902006	R6D3920506	R6D3903006	R6D3930506	R6D3904006
8		R6D3902008	R6D3920508	R6D3903008	R6D3930508	R6D3904008
10		R6D3902010	R6D3920510	R6D3903010	R6D3930510	R6D3904010
12		R6D3902012	R6D3920512	R6D3903012	R6D3930512	R6D3904012
14		R6D3902014	R6D3920514	R6D3903014	R6D3930514	R6D3904014
16		R6D3902016	R6D3920516	R6D3903016	R6D3930516	R6D3904016
18		R6D3902018	R6D3920518	R6D3903018	R6D3930518	R6D3904018
20		R6D3902020	R6D3920520	R6D3903020	R6D3930520	R6D3904020
22				R6D3903022	R6D3930522	R6D3904022
25				R6D3903025	R6D3930525	R6D3904025
28				R6D3903028	R6D3930528	R6D3904028
30				R6D3903030	R6D3930530	R6D3904030
35				R6D3903035	R6D3930535	R6D3904035
40				R6D3903040	R6D3930540	R6D3904040
45				R6D3903045	R6D3930545	R6D3904045
50				R6D3903050	R6D3930550	R6D3904050
55				R6D3903055	R6D3930555	R6D3904055
60				R6D3903060	R6D3930560	R6D3904060
65					R6D3930565	R6D3904065
70					R6D3930570	R6D3904070
75					R6D3930575	R6D3904075
80					R6D3930580	R6D3904080
90					R6D3930590	R6D3904090
100					R6D39305100	R6D3904100

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

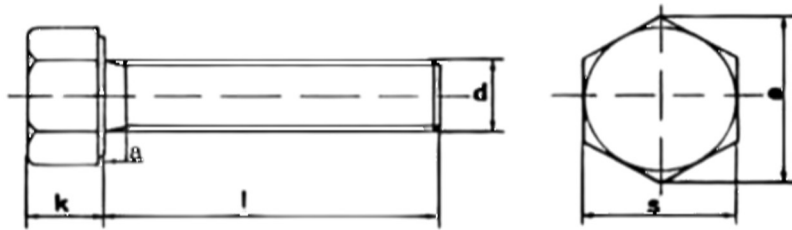


a = thread runout as per ISO 3508		At screw end, Incomplete thread - 2 pitch max				
Parameter↓	Size→	M5x0.8	M6x1.0	M8x1.25	M10x1.5	M12x1.75
s	Max	8.00	10.00	13.00	17.00	19.00
	Min	7.78	9.78	12.73	16.73	18.67
k	Max	3.65	4.15	5.45	6.58	7.68
	Min	3.35	3.85	5.15	6.22	7.32
e	Min	8.79	11.05	14.38	18.90	21.10
a	Max	2.40	3.00	3.75	4.50	5.25

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Length ↓	Dia→	M5x0.8	M6x1.0	M8x1.25	M10x1.5	M12x1.75
5		R6D3905005				
6		R6D3905006	R6D3906006	R6D3908006		
8		R6D3905008	R6D3906008	R6D3908008		
10		R6D3905010	R6D3906010	R6D3908010	R6D3910010	R6D3912010
12		R6D3905012	R6D3906012	R6D3908012	R6D3910012	R6D3912012
14		R6D3905014	R6D3906014	R6D3908014	R6D3910014	R6D3912014
16		R6D3905016	R6D3906016	R6D3908016	R6D3910016	R6D3912016
18		R6D3905018	R6D3906018	R6D3908018	R6D3910018	R6D3912018
20		R6D3905020	R6D3906020	R6D3908020	R6D3910020	R6D3912020
22		R6D3905022	R6D3906022	R6D3908022	R6D3910022	R6D3912022
25		R6D3905025	R6D3906025	R6D3908025	R6D3910025	R6D3912025
28		R6D3905028	R6D3906028	R6D3908028	R6D3910028	R6D3912028
30		R6D3905030	R6D3906030	R6D3908030	R6D3910030	R6D3912030
35		R6D3905035	R6D3906035	R6D3908035	R6D3910035	R6D3912035
40		R6D3905040	R6D3906040	R6D3908040	R6D3910040	R6D3912040
45		R6D3905045	R6D3906045	R6D3908045	R6D3910045	R6D3912045
50		R6D3905050	R6D3906050	R6D3908050	R6D3910050	R6D3912050
55		R6D3905055	R6D3906055	R6D3908055	R6D3910055	R6D3912055
60		R6D3905060	R6D3906060	R6D3908060	R6D3910060	R6D3912060
70		R6D3905070	R6D3906070	R6D3908070	R6D3910070	R6D3912070
80		R6D3905080	R6D3906080	R6D3908080	R6D3910080	R6D3912080
90		R6D3905090	R6D3906090	R6D3908090	R6D3910090	R6D3912090
100		R6D3905100	R6D3906100	R6D3908100	R6D3910100	R6D3912100
120		R6D3905120	R6D3906120	R6D3908120	R6D3910120	R6D3912120
125		R6D3905125	R6D3906125	R6D3908125	R6D3910125	R6D3912125
130		R6D3905130	R6D3906130	R6D3908130	R6D3910130	R6D3912130
150		R6D3905150	R6D3906150	R6D3908150	R6D3910150	R6D3912150
160					R6D3910160	R6D3912160
180					R6D3910180	R6D3912180
200					R6D3910200	R6D3912200
220					R6D3910220	R6D3912220
250					R6D3910250	R6D3912250
275					R6D3910275	R6D3912275
300					R6D3910300	R6D3912300
325					R6D3910325	R6D3912325
350					R6D3910350	R6D3912350

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a = thread runout as per ISO 3508		At screw end, Incomplete thread - 2 pitch max					
Parameter↓	Size→	M14x2.0	M16x2.0	M18x2.5	M20x2.5	M22x2.5	M24x3.0
s	Max	22.00	2.00	27.00	30.00	32.00	36.00
	Min	21.67	23.67	26.67	29.67	31.61	35.38
k	Max	8.98	10.18	11.72	12.72	14.22	15.22
	Min	8.62	9.71	11.28	12.28	13.78	14.78
e	Min	24.49	26.75	30.14	33.53	35.72	39.98
a	Max	6.00	6.00	7.50	7.50	7.50	9.00

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Length ↓	Size→	M14x2.0	M16x2.0	M18x2.5	M20x2.5	M22x2.5	M24x3.0
20		R6D3914020	R6D3916020				
22		R6D3914022	R6D3916022				
25		R6D3914025	R6D3916025	R6D3918025	R6D3920025		
30		R6D3914030	R6D3916030	R6D3918030	R6D3920030	R6D3922030	R6D3924030
35		R6D3914035	R6D3916035	R6D3918035	R6D3920035	R6D3922035	R6D3924035
40		R6D3914040	R6D3916040	R6D3918040	R6D3920040	R6D3922040	R6D3924040
45		R6D3914045	R6D3916045	R6D3918045	R6D3920045	R6D3922045	R6D3924045
50		R6D3914050	R6D3916050	R6D3918050	R6D3920050	R6D3922050	R6D3924050
55		R6D3914055	R6D3916055	R6D3918055	R6D3920055	R6D3922055	R6D3924055
60		R6D3914060	R6D3916060	R6D3918060	R6D3920060	R6D3922060	R6D3924060
65		R6D3914065	R6D3916065	R6D3918065	R6D3920065	R6D3922065	R6D3924065
70		R6D3914070	R6D3916070	R6D3918070	R6D3920070	R6D3922070	R6D3924070
75		R6D3914075	R6D3916075	R6D3918075	R6D3920075	R6D3922075	R6D3924075
80		R6D3914080	R6D3916080	R6D3918080	R6D3920080	R6D3922080	R6D3924080
90		R6D3914090	R6D3916090	R6D3918090	R6D3920090	R6D3922090	R6D3924090
100		R6D3914100	R6D3916100	R6D3918100	R6D3920100	R6D3922100	R6D3924100
120		R6D3914120	R6D3916120	R6D3918120	R6D3920120	R6D3922120	R6D3924120
125		R6D3914125	R6D3916125	R6D3918125	R6D3920125	R6D3922125	R6D3924125
130		R6D3914130	R6D3916130	R6D3918130	R6D3920130	R6D3922130	R6D3924130
150		R6D3914150	R6D3916150	R6D3918150	R6D3920150	R6D3922150	R6D3924150
160		R6D3914160	R6D3916160	R6D3918160	R6D3920160	R6D3922160	R6D3924160
180		R6D3914180	R6D3916180	R6D3918180	R6D3920180	R6D3922180	R6D3924180
200		R6D3914200	R6D3916200	R6D3918200	R6D3920200	R6D3922200	R6D3924200
220		R6D3914220	R6D3916220	R6D3918220	R6D3920220	R6D3922220	R6D3924220
250		R6D3914250	R6D3916250	R6D3918250	R6D3920250	R6D3922250	R6D3924250
275		R6D3914275	R6D3916275	R6D3918275	R6D3920275	R6D3922275	R6D3924275
300		R6D3914300	R6D3916300	R6D3918300	R6D3920300	R6D3922300	R6D3924300
325		R6D3914325	R6D3916325	R6D3918325	R6D3920325	R6D3922325	R6D3924325
350		R6D3914350	R6D3916350	R6D3918350	R6D3920350	R6D3924350	R6D3924350

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