



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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## TECHNICAL DATA SHEET

### HEX SCREW



MATERIAL- STAINLESS STEEL

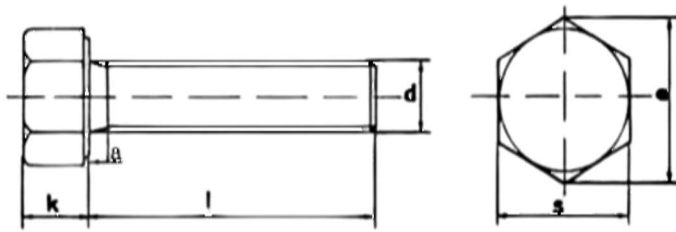
GRADE-SS304 (A2-70)

AS PER-DIN-933

CATALOGUE NO. R4D39

### 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

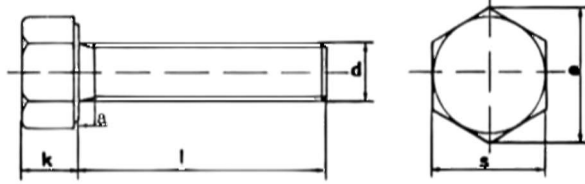
Parameter↓	Size→	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7
s	Max	4.00	5.00	5.50	6.00	7.00
	Min	3.82	4.82	5.32	5.82	6.78
k	Max	1.52	1.82	2.12	2.52	2.92
	Min	1.28	1.58	1.88	2.28	2.68
e	Min	4.32	5.45	6.01	6.58	7.66
a	Max	1.20	1.35	1.50	1.80	2.10

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		R4D3902003	R4D3920503	R4D3903003		
4		R4D3902004	R4D3920504	R4D3903004	R4D3930504	R4D3904004
5		R4D3902005	R4D3920505	R4D3903005	R4D3930505	R4D3904005
6		R4D3902006	R4D3920506	R4D3903006	R4D3930506	R4D3904006
8		R4D3902008	R4D3920508	R4D3903008	R4D3930508	R4D3904008
10		R4D3902010	R4D3920510	R4D3903010	R4D3930510	R4D3904010
12		R4D3902012	R4D3920512	R4D3903012	R4D3930512	R4D3904012
14		R4D3902014	R4D3920514	R4D3903014	R4D3930514	R4D3904014
16		R4D3902016	R4D3920516	R4D3903016	R4D3930516	R4D3904016
18		R4D3902018	R4D3920518	R4D3903018	R4D3930518	R4D3904018
20		R4D3902020	R4D3920520	R4D3903020	R4D3930520	R4D3904020
22				R4D3903022	R4D3930522	R4D3904022
25				R4D3903025	R4D3930525	R4D3904025
28				R4D3903028	R4D3930528	R4D3904028
30				R4D3903030	R4D3930530	R4D3904030
35				R4D3903035	R4D3930535	R4D3904035
40				R4D3903040	R4D3930540	R4D3904040
45				R4D3903045	R4D3930545	R4D3904045
50				R4D3903050	R4D3930550	R4D3904050
55				R4D3903055	R4D3930555	R4D3904055
60				R4D3903060	R4D3930560	R4D3904060
65					R4D3930565	R4D3904065
70					R4D3930570	R4D3904070
75					R4D3930575	R4D3904075
80					R4D3930580	R4D3904080
90					R4D3930590	R4D3904090
100					R4D39305100	R4D3904100

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

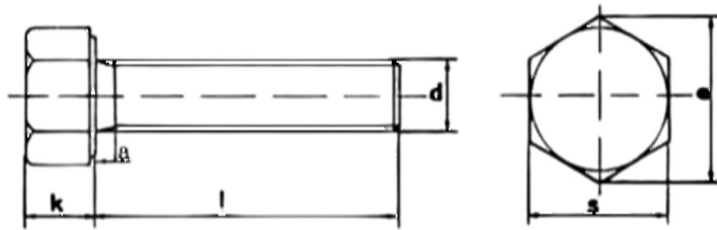


a = thread runout as per ISO 3508		At screw end, Incomplete thread - 2 pitch max				
Parameter↓	Size→	M5x0.8	M6x1.0	M8x1.25	M10x1.5	M12x1.75
s	Max	8.00	10.00	13.00	17.00	19.00
	Min	7.78	9.78	12.73	16.73	18.67
k	Max	3.65	4.15	5.45	6.58	7.68
	Min	3.35	3.85	5.15	6.22	7.32
e	Min	8.79	11.05	14.38	18.90	21.10
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		R4D3905005				
6		R4D3905006	R4D3906006	R4D3908006		
8		R4D3905008	R4D3906008	R4D3908008		
10		R4D3905010	R4D3906010	R4D3908010	R4D3910010	R4D3912010
12		R4D3905012	R4D3906012	R4D3908012	R4D3910012	R4D3912012
14		R4D3905014	R4D3906014	R4D3908014	R4D3910014	R4D3912014
16		R4D3905016	R4D3906016	R4D3908016	R4D3910016	R4D3912016
18		R4D3905018	R4D3906018	R4D3908018	R4D3910018	R4D3912018
20		R4D3905020	R4D3906020	R4D3908020	R4D3910020	R4D3912020
22		R4D3905022	R4D3906022	R4D3908022	R4D3910022	R4D3912022
25		R4D3905025	R4D3906025	R4D3908025	R4D3910025	R4D3912025
28		R4D3905028	R4D3906028	R4D3908028	R4D3910028	R4D3912028
30		R4D3905030	R4D3906030	R4D3908030	R4D3910030	R4D3912030
35		R4D3905035	R4D3906035	R4D3908035	R4D3910035	R4D3912035
40		R4D3905040	R4D3906040	R4D3908040	R4D3910040	R4D3912040
45		R4D3905045	R4D3906045	R4D3908045	R4D3910045	R4D3912045
50		R4D3905050	R4D3906050	R4D3908050	R4D3910050	R4D3912050
55		R4D3905055	R4D3906055	R4D3908055	R4D3910055	R4D3912055
60		R4D3905060	R4D3906060	R4D3908060	R4D3910060	R4D3912060
70		R4D3905070	R4D3906070	R4D3908070	R4D3910070	R4D3912070
80		R4D3905080	R4D3906080	R4D3908080	R4D3910080	R4D3912080
90		R4D3905090	R4D3906090	R4D3908090	R4D3910090	R4D3912090
100		R4D3905100	R4D3906100	R4D3908100	R4D3910100	R4D3912100
120		R4D3905120	R4D3906120	R4D3908120	R4D3910120	R4D3912120
125		R4D3905125	R4D3906125	R4D3908125	R4D3910125	R4D3912125
130		R4D3905130	R4D3906130	R4D3908130	R4D3910130	R4D3912130
150		R4D3905150	R4D3906150	R4D3908150	R4D3910150	R4D3912150
160					R4D3910160	R4D3912160
180					R4D3910180	R4D3912180
200					R4D3910200	R4D3912200
220					R4D3910220	R4D3912220
250					R4D3910250	R4D3912250
275					R4D3910275	R4D3912275
300					R4D3910300	R4D3912300
325					R4D3910325	R4D3912325
350					R4D3910350	R4D3912350

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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		R4D3914020	R4D3916020				
22		R4D3914022	R4D3916022				
25		R4D3914025	R4D3916025	R4D3918025	R4D3920025		
30		R4D3914030	R4D3916030	R4D3918030	R4D3920030	R4D3922030	R4D3924030
35		R4D3914035	R4D3916035	R4D3918035	R4D3920035	R4D3922035	R4D3924035
40		R4D3914040	R4D3916040	R4D3918040	R4D3920040	R4D3922040	R4D3924040
45		R4D3914045	R4D3916045	R4D3918045	R4D3920045	R4D3922045	R4D3924045
50		R4D3914050	R4D3916050	R4D3918050	R4D3920050	R4D3922050	R4D3924050
55		R4D3914055	R4D3916055	R4D3918055	R4D3920055	R4D3922055	R4D3924055
60		R4D3914060	R4D3916060	R4D3918060	R4D3920060	R4D3922060	R4D3924060
65		R4D3914065	R4D3916065	R4D3918065	R4D3920065	R4D3922065	R4D3924065
70		R4D3914070	R4D3916070	R4D3918070	R4D3920070	R4D3922070	R4D3924070
75		R4D3914075	R4D3916075	R4D3918075	R4D3920075	R4D3922075	R4D3924075
80		R4D3914080	R4D3916080	R4D3918080	R4D3920080	R4D3922080	R4D3924080
90		R4D3914090	R4D3916090	R4D3918090	R4D3920090	R4D3922090	R4D3924090
100		R4D3914100	R4D3916100	R4D3918100	R4D3920100	R4D3922100	R4D3924100
120		R4D3914120	R4D3916120	R4D3918120	R4D3920120	R4D3922120	R4D3924120
125		R4D3914125	R4D3916125	R4D3918125	R4D3920125	R4D3922125	R4D3924125
130		R4D3914130	R4D3916130	R4D3918130	R4D3920130	R4D3922130	R4D3924130
150		R4D3914150	R4D3916150	R4D3918150	R4D3920150	R4D3922150	R4D3924150
160		R4D3914160	R4D3916160	R4D3918160	R4D3920160	R4D3922160	R4D3924160
180		R4D3914180	R4D3916180	R4D3918180	R4D3920180	R4D3922180	R4D3924180
200		R4D3914200	R4D3916200	R4D3918200	R4D3920200	R4D3922200	R4D3924200
220		R4D3914220	R4D3916220	R4D3918220	R4D3920220	R4D3922220	R4D3924220
250		R4D3914250	R4D3916250	R4D3918250	R4D3920250	R4D3922250	R4D3924250
275		R4D3914275	R4D3916275	R4D3918275	R4D3920275	R4D3922275	R4D3924275
300		R4D3914300	R4D3916300	R4D3918300	R4D3920300	R4D3922300	R4D3924300
325		R4D3914325	R4D3916325	R4D3918325	R4D3920325	R4D3922325	R4D3924325
350		R4D3914350	R4D3916350	R4D3918350	R4D3920350	R4D3924350	R4D3924350

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