



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

HEX BOLT (HALF THREAD)



MATERIAL- STAINLESS STEEL

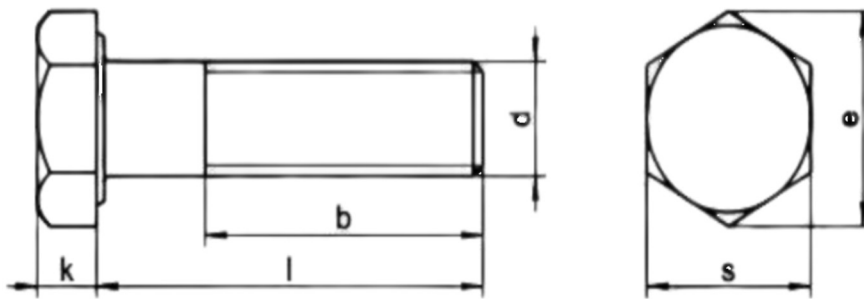
GRADE-SS316 (A4-70)

AS PER-DIN-931

CATALOGUE NO. R6D39H

INSTALLATION GUIDE

- VERIFY THE BOLT SIZE, LENGTH, THREAD PITCH, AND GRADE MATCH THE APPLICATION REQUIREMENTS.
- ENSURE THE MATING NUT OR THREADED HOLE IS CLEAN, DRY, AND FREE FROM DUST, OIL, OR DEBRIS.
- CHECK THAT THE UNTHREADED SHANK LENGTH IS SUITABLE FOR THE CLAMPED MATERIAL THICKNESS.
- ALIGN THE COMPONENTS SO THE BOLT PASSES STRAIGHT THROUGH THE HOLES WITHOUT FORCE.
- INSERT THE HEX BOLT THROUGH THE ASSEMBLY WITH THE THREADED END PROTRUDING.
- PLACE A WASHER AND NUT IF USING A THROUGH-BOLT CONNECTION.
- HAND-TIGHTEN THE NUT OR BOLT TO START THREAD ENGAGEMENT.
- USE A SUITABLE SPANNER OR SOCKET TO TIGHTEN THE HEX HEAD.
- APPLY TORQUE GRADUALLY TO ACHIEVE PROPER CLAMPING FORCE.
- ENSURE THE UNTHREADED SHANK IS LOCATED IN THE SHEAR PLANE FOR MAXIMUM STRENGTH.
- AVOID OVERTIGHTENING TO PREVENT THREAD DAMAGE OR GALLING OF STAINLESS STEEL.
- USE ANTI-SEIZE COMPOUND IF REQUIRED FOR STAINLESS STEEL FASTENERS.
- INSPECT THE FINAL ASSEMBLY TO CONFIRM A TIGHT, SECURE, AND WELL-ALIGNED CONNECTION.



Size→	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7	M5x0.8
b<125	9	10	11	12	13	14	16
b>125							22
A/F s max	3.20	4.00	5.00	5.50	6.00	7.00	8.00
A/F s min	3.02	3.82	4.82	5.32	5.82	6.78	7.78
k max	1.22	1.52	1.82	2.12	2.52	2.92	3.65
k min	0.98	1.28	1.58	1.88	2.28	2.68	3.35
e	3.41	4.32	5.45	6.01	6.58	7.66	8.79

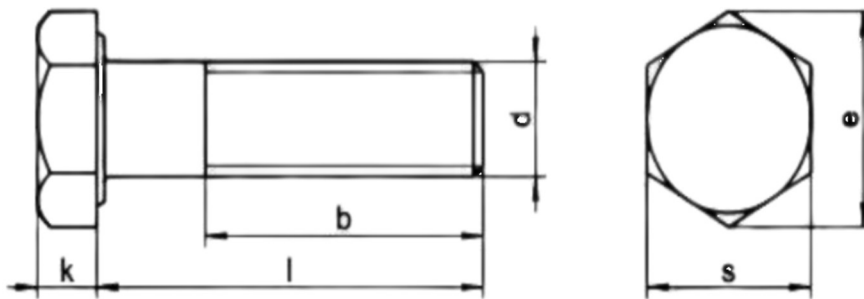
Quote the PART NUMBER given below with your order/ inquiries:

All Dimensions in mm

Size→ Length↓	M1.6x0.35	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7	M5x0.8
12	R6D39H10612						
16	R6D39H10616	R6D39H02016	R6D39H20516				
20	R6D39H10620	R6D39H02020	R6D39H20520	R6D39H03020		R6D39H04020	R6D39H05020
22	R6D39H10622	R6D39H02022	R6D39H20522	R6D39H03022		R6D39H04022	R6D39H05022
25	R6D39H10625	R6D39H02025	R6D39H20525	R6D39H03025	R6D39H30525	R6D39H04025	R6D39H05025
28		R6D39H02028	R6D39H20528	R6D39H03028	R6D39H30528	R6D39H04028	R6D39H05028
30		R6D39H02030	R6D39H20530	R6D39H03030	R6D39H30530	R6D39H04030	R6D39H05030
35			R6D39H20535	R6D39H03035	R6D39H30535	R6D39H04035	R6D39H05035
40			R6D39H20540	R6D39H03040	R6D39H30540	R6D39H04040	R6D39H05040
45				R6D39H03045	R6D39H30545	R6D39H04045	R6D39H05045
50				R6D39H03050	R6D39H30550	R6D39H04050	R6D39H05050
55				R6D39H03055	R6D39H30555	R6D39H04055	R6D39H05055
60				R6D39H03060	R6D39H30560	R6D39H04060	R6D39H05060
65						R6D39H04065	R6D39H05065
70						R6D39H04070	R6D39H05070
75						R6D39H04075	R6D39H05075
80						R6D39H04080	R6SSD39H05080
85						R6D39H04085	R6D39H05085
90						R6D39H04090	R6D39H05090
100						R6D39H04100	R6D39H05100
110							R6D39H05110
120							R6D39H05120

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



Size→	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M18x2.5
b<125	18	22	26	30	34	38	42
b>125	24	28	32	36	40	44	48
A/F s max	10.00	13.00	17.00	19.00	22.00	24.00	27.00
A/F s min	9.78	12.73	16.73	18.67	21.67	23.67	26.67
k max	4.15	5.45	6.58	7.68	8.98	10.18	11.72
k min	3.85	5.15	6.22	7.32	8.62	9.82	11.28
e	11.05	14.38	18.90	21.10	24.49	26.75	30.14

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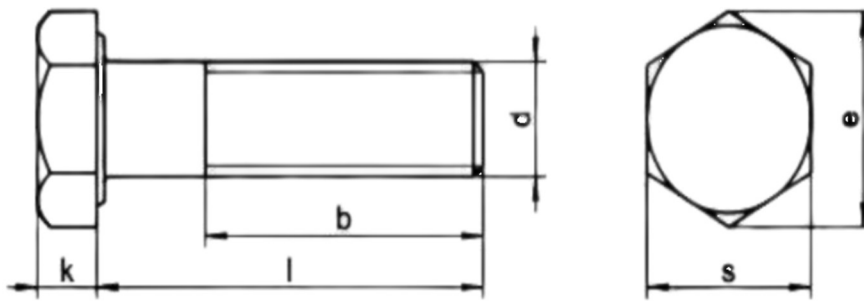
All Dimensions in mm

Size→ Length↓	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M18x2.5
25	R6D39H06025	R6D39H08025					
30	R6D39H06030	R6D39H08030	R6D39H10030				
35	R6D39H06035	R6D39H08035	R6D39H10035	R6D39H12035			
40	R6D39H06040	R6D39H08040	R6D39H10040	R6D39H12040	R6D39H14040		
45	R6D39H06045	R6D39H08045	R6D39H10045	R6D39H12045	R6D39H14045	R6D39H16045	
50	R6D39H06050	R6D39H08050	R6D39H10050	R6D39H12050	R6D39H14050	R6D39H16050	R6D39H18050
55	R6D39H06055	R6D39H08055	R6D39H10055	R6D39H12055	R6D39H14055	R6D39H16055	R6D39H18055
60	R6D39H06060	R6D39H08060	R6D39H10060	R6D39H12060	R6D39H14060	R6D39H16060	R6D39H18060
65	R6D39H06065	R6D39H08065	R6D39H10065	R6D39H12065	R6D39H14065	R6D39H16065	R6D39H18065
70	R6D39H06070	R6D39H08070	R6D39H10070	R6D39H12070	R6D39H14070	R6D39H16070	R6D39H18070
75	R6D39H06075	R6D39H08075	R6D39H10075	R6D39H12075	R6D39H14075	R6D39H16075	R6D39H18075
80	R6D39H06080	R6D39H08080	R6D39H10080	R6D39H12080	R6D39H14080	R6D39H16080	R6D39H18080
85	R6D39H06085	R6D39H08085	R6D39H10085	R6D39H12085	R6D39H14085	R6D39H16085	R6D39H18085
90	R6D39H06090	R6D39H08090	R6D39H10090	R6D39H12090	R6D39H14090	R6D39H16090	R6D39H18090
100	R6D39H06100	R6D39H08100	R6D39H10100	R6D39H12100	R6D39H14100	R6D39H16100	R6D39H18100
110	R6D39H06110	R6D39H08110	R6D39H10110	R6D39H12110	R6D39H14110	R6D39H16110	R6D39H18110
120	R6D39H06120	R6D39H08120	R6D39H10120	R6D39H12120	R6D39H14120	R6D39H16120	R6D39H18120
130	R6D39H06130	R6D39H08130	R6D39H10130	R6D39H12130	R6D39H14130	R6D39H16130	R6D39H18130
140	R6D39H06140	R6D39H08140	R6D39H10140	R6D39H12140	R6D39H14140	R6D39H16140	R6D39H18140
150	R6D39H06150	R6D39H08150	R6D39H10150	R6D39H12150	R6D39H14150	R6D39H16150	R6D39H18150
160	R6D39H06160	R6D39H08160	R6D39H10160	R6D39H12160	R6D39H14160	R6D39H16160	R6D39H18160
170	R6D39H06170	R6D39H08170	R6D39H10170	R6D39H12170	R6D39H14170	R6D39H16170	R6D39H18170
180	R6D39H06180	R6D39H08180	R6D39H10180	R6D39H12180	R6D39H14180	R6D39H16180	R6D39H18180
190	R6D39H06190	R6D39H08190	R6D39H10190	R6D39H12190	R6D39H14190	R6D39H16190	R6D39H18190
200	R6D39H06200	R6D39H08200	R6D39H10200	R6D39H12200	R6D39H14200	R6D39H16200	R6D39H18200
220		R6D39H08220	R6D39H10220	R6D39H12220		R6D39H16220	R6D39H18220
250		R6D39H08250	R6D39H10250	R6D39H12250		R6D39H16250	R6D39H18250
300		R6D39H08300	R6D39H10300	R6D39H12300		R6D39H16300	R6D39H18300
350			R6D39H10350	R6D39H12350		R6D39H16350	R6D39H18350

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Size→	M20x2.5	M22x2.5	M24x3.0	M27x3.0	M30x3.5	M33x3.5	M36x4.0
b<125	46	50	54	60	66	72	78
b>125	52	56	60	66	72	78	84
A/F s max	30.00	32.00	36.00	41.00	46.00	50.00	55.00
A/F s min	29.67	31.61	35.38	40.00	45.00	49.00	53.80
k max	12.72	14.22	15.22	17.35	19.12	21.42	22.92
k min	12.28	13.78	14.78	16.65	18.28	20.58	22.08
e	33.53	35.72	39.98	45.20	50.85	55.37	60.79

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Size→ Length↓	M20x2.5	M22x2.5	M24x3.0	M27x3.0	M30x3.5	M33x3.5	M36x4.0
60	R6D39H20060						
65	R6D39H20065	R6D39H22065	R6D39H24065				
70	R6D39H20070	R6D39H22070	R6D39H24070	R6D39H27070			
75	R6D39H20075	R6D39H22075	R6D39H24075	R6D39H27075			
80	R6D39H20080	R6D39H22080	R6D39H24080	R6D39H27080	R6D39H30080		
85	R6D39H20085	R6D39H22085	R6D39H24085	R6D39H27085	R6D39H30085		
90	R6D39H20090	R6D39H22090	R6D39H24090	R6D39H27090	R6D39H30090	R6D39H33090	
100	R6D39H20100	R6D39H22100	R6D39H24100	R6D39H27100	R6D39H30100	R6D39H33100	R6D39H36100
110	R6D39H20110	R6D39H22110	R6D39H24110	R6D39H27110	R6D39H30110	R6D39H33110	R6D39H36110
120	R6D39H20120	R6D39H22120	R6D39H24120	R6D39H27120	R6D39H30120	R6D39H33120	R6D39H36120
130	R6D39H20130	R6D39H22130	R6D39H24130	R6D39H27130	R6D39H30130	R6D39H33130	R6D39H36130
140	R6D39H20140	R6D39H22140	R6D39H24140	R6D39H27140	R6D39H30140	R6D39H33140	R6D39H36140
150	R6D39H20150	R6D39H22150	R6D39H24150	R6D39H27150	R6D39H30150	R6D39H33150	R6D39H36150
160	R6D39H20160	R6D39H22160	R6D39H24160	R6D39H27160	R6D39H30160	R6D39H33160	R6D39H36160
170	R6D39H20170	R6D39H22170	R6D39H24170	R6D39H27170	R6D39H30170	R6D39H33170	R6D39H36170
180	R6D39H20180	R6D39H22180	R6D39H24180	R6D39H27180	R6D39H30180	R6D39H33180	R6D39H36180
190	R6D39H20190	R6D39H22190	R6D39H24190	R6D39H27190	R6D39H30190	R6D39H33190	R6D39H36190
200	R6D39H20200	R6D39H22200	R6D39H24200	R6D39H27200	R6D39H30200	R6D39H33200	R6D39H36200
220	R6D39H20220	R6D39H22220	R6D39H24220	R6D39H27220	R6D39H30220	R6D39H33220	R6D39H36220
250	R6D39H20250	R6D39H22250	R6D39H24250	R6D39H27250	R6D39H30250	R6D39H33250	R6D39H36250
300	R6D39H20300	R6D39H22300	R6D39H24300	R6D39H27300	R6D39H30300	R6D39H33300	R6D39H36300
350	R6D39H20350	R6D39H22350	R6D39H24350	R6D39H27350	R6D39H30350	R6D39H33350	R6D39H36350

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