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

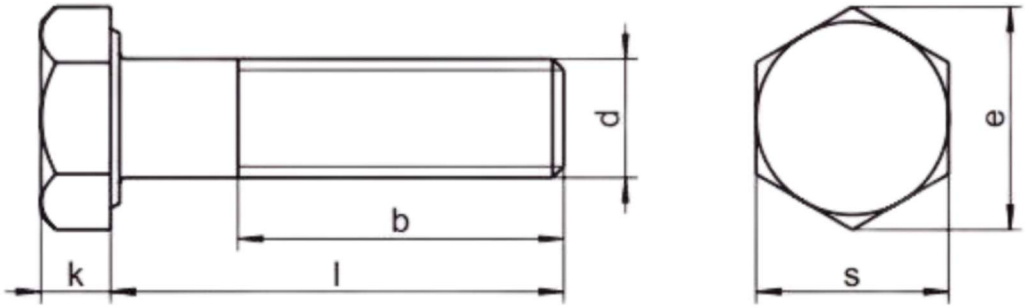
GRADE-SS316 (A4-80)

AS PER-DIN-931

CATALOGUE NO. R8D39H

INSTALLATION GUIDE

- VERIFY THE BOLT SIZE, THREAD PITCH, LENGTH, AND STAINLESS STEEL GRADE BEFORE INSTALLATION.
- ENSURE THE BOLT IS SUITABLE FOR THE APPLICATION AND MATING COMPONENTS.
- INSPECT THE BOLT FOR THREAD DAMAGE, BENDS, CORROSION, OR SURFACE DEFECTS.
- CHECK THAT THE MATING HOLES ARE PROPERLY ALIGNED AND FREE FROM BURRS, DUST, AND DEBRIS.
- ENSURE THE UNTHREADED SHANK AND THREADED PORTION ARE SUITABLE FOR THE REQUIRED JOINT THICKNESS.
- INSERT THE BOLT THROUGH THE CLEARANCE HOLES OF THE COMPONENTS.
- ALIGN THE BOLT PROPERLY TO AVOID SIDE LOADING OR MISALIGNMENT.
- FIT A SUITABLE STAINLESS STEEL WASHER AND NUT, IF REQUIRED BY THE APPLICATION.
- START THREADING THE NUT BY HAND TO PREVENT CROSS-THREADING.
- USE A SUITABLE SPANNER OR SOCKET THAT MATCHES THE HEXAGONAL BOLT HEAD.
- TIGHTEN THE BOLT GRADUALLY USING THE RECOMMENDED TORQUE FOR THE APPLICATION.
- AVOID EXCESSIVE TIGHTENING, AS IT MAY DAMAGE THE THREADS OR MATING COMPONENTS.
- USE SUITABLE ANTI-SEIZE COMPOUND WHEN REQUIRED TO REDUCE THE RISK OF STAINLESS STEEL THREAD GALLING.
- VERIFY THAT THE JOINT IS PROPERLY CLAMPED AND ALL COMPONENTS ARE SECURELY FASTENED.
- INSPECT THE FINAL ASSEMBLY FOR PROPER ALIGNMENT, THREAD ENGAGEMENT, AND SECURE INSTALLATION.



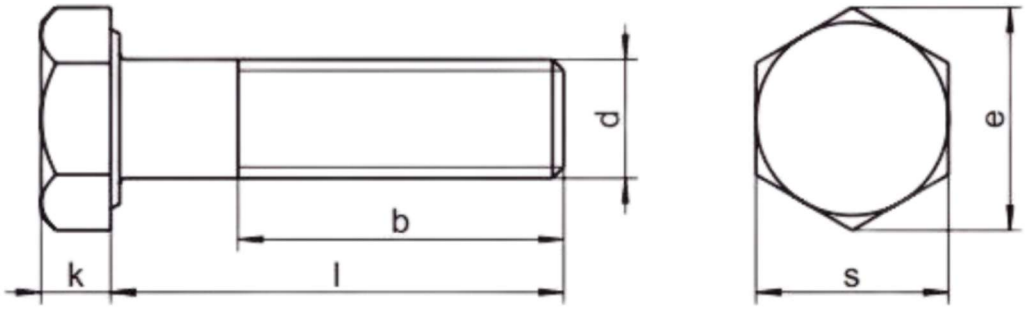
Parameter	M5x0.8	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0
b<125	16.0	18.0	22.0	26.0	30.0	34.0	38.0
b>125	22.0	24.0	28.0	32.0	36.0	40.0	44.0
s max	8.00	10.00	13.00	17.00	19.00	22.00	24.00
s min	7.78	9.78	12.73	16.73	18.67	21.67	23.67
k max	3.65	4.15	5.45	6.58	7.68	8.98	10.18
k min	3.35	3.85	5.15	6.22	7.32	8.62	9.71
e min	8.79	11.05	14.38	18.90	21.10	24.49	26.75

Quote the PART NUMBER given below with your order/ inquiries: **All Dimensions in mm**

Length↓ Size→	M5x0.8	M6x1.0	M8x1.25	M10x1.5	M12x1.75	M14x2.0	M16x2.0
20	R8D39H05020	R8D39H06020					
25	R8D39H05025	R8D39H06025	R8D39H08025				
30	R8D39H05030	R8D39H06030	R8D39H08030	R8D39H10030			
35	R8D39H05035	R8D39H06035	R8D39H08035	R8D39H10035	R8D39H12035		
40	R8D39H05040	R8D39H06040	R8D39H08040	R8D39H10040	R8D39H12040	R8D39H14040	
45	R8D39H05045	R8D39H06045	R8D39H08045	R8D39H10045	R8D39H12045	R8D39H14045	R8D39H16045
50	R8D39H05050	R8D39H06050	R8D39H08050	R8D39H10050	R8D39H12050	R8D39H14050	R8D39H16050
55	R8D39H05055	R8D39H06055	R8D39H08055	R8D39H10055	R8D39H12055	R8D39H14055	R8D39H16055
60	R8D39H05060	R8D39H06060	R8D39H08060	R8D39H10060	R8D39H12060	R8D39H14060	R8D39H16060
65	R8D39H05065	R8D39H06065	R8D39H08065	R8D39H10065	R8D39H12065	R8D39H14065	R8D39H16065
70	R8D39H05070	R8D39H06070	R8D39H08070	R8D39H10070	R8D39H12070	R8D39H14070	R8D39H16070
75	R8D39H05075	R8D39H06075	R8D39H08075	R8D39H10075	R8D39H12075	R8D39H14075	R8D39H16075
80	R8D39H05080	R8D39H06080	R8D39H08080	R8D39H10080	R8D39H12080	R8D39H14080	R8D39H16080
90	R8D39H05090	R8D39H06090	R8D39H08090	R8D39H10090	R8D39H12090	R8D39H14090	R8D39H16090
100	R8D39H05100	R8D39H06100	R8D39H08100	R8D39H10100	R8D39H12100	R8D39H14100	R8D39H16100
110		R8D39H06110	R8D39H08110	R8D39H10110	R8D39H12110	R8D39H14110	R8D39H16110
120		R8D39H06120	R8D39H08120	R8D39H10120	R8D39H12120	R8D39H14120	R8D39H16120
130		R8D39H06130	R8D39H08130	R8D39H10130	R8D39H12130	R8D39H14130	R8D39H16130
140		R8D39H06140	R8D39H08140	R8D39H10140	R8D39H12140	R8D39H14140	R8D39H16140
150		R8D39H06150	R8D39H08150	R8D39H10150	R8D39H12150	R8D39H14150	R8D39H16150
160		R8D39H06160	R8D39H08160	R8D39H10160	R8D39H12160	R8D39H14160	R8D39H16160
180		R8D39H06180	R8D39H08180	R8D39H10180	R8D39H12180	R8D39H14180	R8D39H16180
200		R8D39H06200	R8D39H08200	R8D39H10200	R8D39H12200	R8D39H14200	R8D39H16200
220			R8D39H08220	R8D39H10220	R8D39H12220		R8D39H16220
240			R8D39H08240	R8D39H10240	R8D39H12240		R8D39H16240
260			R8D39H08260	R8D39H10260	R8D39H12260		R8D39H16260
300			R8D39H08300	R8D39H10300	R8D39H12300		R8D39H16300

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	M18x2.5	M20x2.5	M22x2.5	M24x3.0	M27x3.0	M30x3.5	M33x3.5
b<125	42.0	46.0	50.0	54.0	60.0	66.0	72.0
b>125	48.0	52.0	56.0	60.0	66.0	72.0	78.0
s max	27.00	30.00	32.00	36.00	41.00	46.00	50.00
s min	26.67	29.67	31.61	35.38	41.00	45.00	49.00
k max	11.72	12.72	14.22	15.22	17.35	19.12	21.42
k min	11.28	12.28	13.78	14.78	16.65	18.28	20.58
e min	30.14	33.53	35.72	39.98	45.20	50.85	55.37

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Length↓ Size→	M18x2.5	M20x2.5	M22x2.5	M24x3.0	M27x3.0	M30x3.5	M33x3.5
50	R8D39H18050						
55	R8D39H18055	R8D39H20055					
60	R8D39H18060	R8D39H20060	R8D39H22060				
65	R8D39H18065	R8D39H20065	R8D39H22065	R8D39H24065			
70	R8D39H18070	R8D39H20070	R8D39H2270	R8D39H24070	R8D39H27070		
75	R8D39H18075	R8D39H20075	R8D39H22075	R8D39H24075	R8D39H27075		
80	R8D39H18080	R8D39H20080	R8D39H22080	R8D39H24080	R8D39H27080	R8D39H30080	
90	R8D39H18090	R8D39H20090	R8D39H22090	R8D39H24090	R8D39H27090	R8D39H30090	R8D39H33090
100	R8D39H18100	R8D39H20100	R8D39H22100	R8D39H24100	R8D39H27100	R8D39H30100	R8D39H33100
110	R8D39H18110	R8D39H20110	R8D39H22110	R8D39H24110	R8D39H27110	R8D39H30110	R8D39H33110
120	R8D39H18120	R8D39H20120	R8D39H22120	R8D39H24120	R8D39H27120	R8D39H30120	R8D39H33120
130	R8D39H18130	R8D39H20130	R8D39H22130	R8D39H24130	R8D39H27130	R8D39H30130	R8D39H33130
140	R8D39H18140	R8D39H20140	R8D39H22140	R8D39H24140	R8D39H27140	R8D39H30140	R8D39H33140
150	R8D39H18150	R8D39H20150	R8D39H22150	R8D39H24150	R8D39H27150	R8D39H30150	R8D39H33150
160	R8D39H18160	R8D39H20160	R8D39H22160	R8D39H24160	R8D39H27160	R8D39H30160	R8D39H33160
180	R8D39H18180	R8D39H20180	R8D39H22180	R8D39H24180	R8D39H27180	R8D39H30180	R8D39H33180
200	R8D39H18200	R8D39H20200	R8D39H22200	R8D39H24200	R8D39H27200	R8D39H30200	R8D39H33200
220		R8D39H208220		R8D39H24220			
240		R8D39H208240		R8D39H24240			
260		R8D39H208260		R8D39H24260			
300		R8D39H208300		R8D39H24300			

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