GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

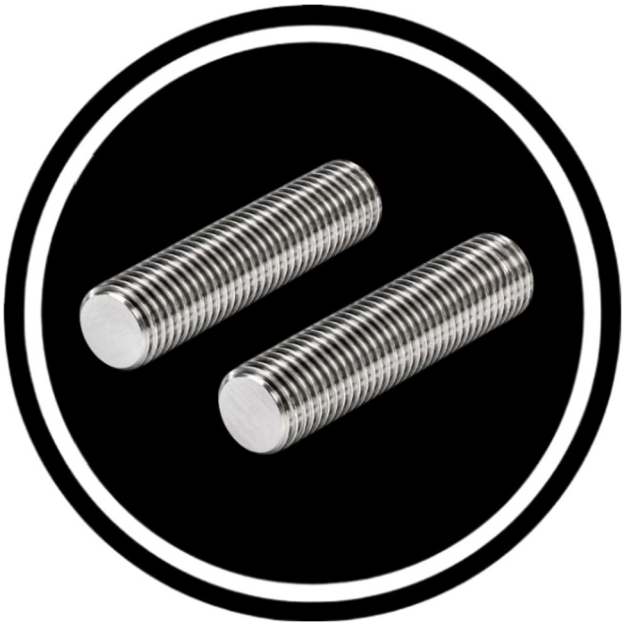
ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST

8310165941 / 9959457863 sales@royalfastenersindia.com www.royalfastenersindia.com

TECHNICAL DATA SHEET

THREADED STUDS



MATERIAL- STAINLESS STEEL

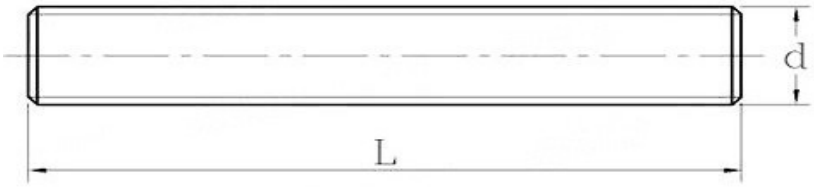
GRADE-SS316

AS PER-DIN-976

CATALOGUE NO. R6G73

INSTALLATION GUIDE

- VERIFY THE STUD DIAMETER, THREAD PITCH, LENGTH, AND STAINLESS STEEL GRADE BEFORE INSTALLATION.
- INSPECT THE STUD FOR BENDING, THREAD DAMAGE, CORROSION, OR SURFACE DEFECTS.
- ENSURE THE MATING THREADED HOLE OR NUT MATCHES THE STUD'S THREAD SPECIFICATION.
- CLEAN THE THREADED HOLE AND MATING SURFACES TO REMOVE DUST, OIL, GREASE, AND DEBRIS.
- CHECK THAT THE THREADS ARE FREE FROM BURRS AND DAMAGE BEFORE ASSEMBLY.
- ALIGN THE STUD PERPENDICULARLY WITH THE THREADED HOLE TO ENSURE PROPER ENGAGEMENT.
- START THREADING THE STUD BY HAND TO PREVENT CROSS-THREADING.
- USE A SUITABLE STUD INSTALLATION TOOL OR APPROVED METHOD TO TIGHTEN THE STUD.
- AVOID APPLYING EXCESSIVE FORCE THAT MAY DAMAGE THE THREADS OR STUD.
- ENSURE THE STUD IS INSTALLED TO THE REQUIRED ENGAGEMENT DEPTH AS PER THE DESIGN SPECIFICATION.
- USE A SUITABLE WASHER AND NUT WHEN REQUIRED FOR THE APPLICATION.
- TIGHTEN THE MATING NUT USING THE RECOMMENDED TORQUE VALUE FOR THE STUD SIZE AND APPLICATION.
- USE AN APPROPRIATE ANTI-SEIZE COMPOUND WHEN REQUIRED TO REDUCE THE RISK OF STAINLESS STEEL THREAD GALLING.
- VERIFY THAT THE STUD IS FIRMLY SECURED AND PROPERLY ALIGNED AFTER INSTALLATION.
- INSPECT THE FINAL ASSEMBLY FOR PROPER THREAD ENGAGEMENT, SECURE FASTENING, AND DAMAGE-FREE INSTALLATION.



Parameter↓ Size→	M2x0.4	M2.5x0.45	M3x0.5	M3.5x0.6	M4x0.7	M5x0.8	M6x1.0	M8x1.25
d max	1.98	2.48	2.98	3.48	3.98	4.98	5.98	7.98
d min	1.86	2.36	2.85	3.35	3.82	4.82	5.78	7.75
Length Tolerance	4 - 6mm ±0.24, 7-10mm ±0.29, 11-16mm ±0.35, 20-30mm ±0.42, 35-50mm ±0.50, 55-80mm ±0.65, 85-120mm ±0.75. 125-180mm ±0.85							

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	M5x0.8	M6x1.0	M8x1.25
4	R6G7302004	R6G7320504	R6G7303004					
5	R6G7302005	R6G7320505	R6G7303005	R6G7330505				
6	R6G7302006	R6G7320506	R6G7303006	R6G7330506	R6G7304006			
8	R6G7302008	R6G7320508	R6G7303008	R6G7330508	R6G7304008	R6G7305008	R6G7306008	
10	R6G7302010	R6G7320510	R6G7303010	R6G7330510	R6G7304010	R6G7305010	R6G7306010	R6G7308010
12	R6G7302012	R6G7320512	R6G7303012	R6G7330512	R6G7304012	R6G7305012	R6G7306012	R6G7308012
14	R6G7302014	R6G7320514	R6G7303014	R6G7330514	R6G7304014	R6G7305014	R6G7306014	R6G7308014
16	R6G7302016	R6G7320516	R6G7303016	R6G7330516	R6G7304016	R6G7305016	R6G7306016	R6G7308016
18	R6G7302018	R6G7320518	R6G7303018	R6G7330518	R6G7304018	R6G7305018	R6G7306018	R6G7308018
20	R6G7302020	R6G7320520	R6G7303020	R6G7330520	R6G7304020	R6G7305020	R6G7306020	R6G7308020
22			R6G7303022	R6G7330522	R6G7304022	R6G7305022	R6G7306022	R6G7308022
25			R6G7303025	R6G7330525	R6G7304025	R6G7305025	R6G7306025	R6G7308025
28			R6G7303028	R6G7330528	R6G7304028	R6G7305028	R6G7306028	R6G7308028
30			R6G7303030	R6G7330530	R6G7304030	R6G7305030	R6G7306030	R6G7308030
35			R6G7303035	R6G7330535	R6G7304035	R6G7305035	R6G7306035	R6G7308035
40			BGA2103040	R6G7330540	R6G7304040	R6G7305040	R6G7306040	R6G7308040
45			R6G7303045	R6G7330545	R6G7304045	R6G7305045	R6G7306045	R6G7308045
50			R6G7303050	R6G7330550	R6G7304050	R6G7305050	R6G7306050	R6G7308050
55			R6G7303055	R6G7330555	R6G7304055	R6G7305055	R6G7306055	R6G7308055
60			R6G7303060	R6G7330560	R6G7304060	R6G7305060	R6G7306060	R6G7308060
65				R6G7330565	R6G7304065	R6G7305065	R6G7306065	R6G7308065
70				R6G7330570	R6G7304070	R6G7305070	R6G7306070	R6G7308070
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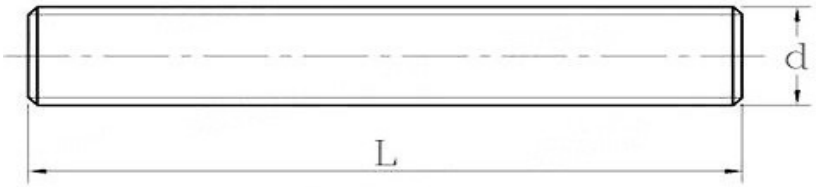
80				R6G7330580	R6G7304080	R6G7305080	R6G7306080	R6G7308080
90				R6G7330590	R6G7304090	R6G7305090	R6G7306090	R6G7308090
100				R6G73305100	R6G7304100	R6G7305100	R6G7306100	R6G7308100
120						R6G7305120	R6G7306120	R6G7308120
125						R6G7305125	R6G7306125	R6G7308125
130						R6G7305130	R6G7306130	R6G7308130
150						R6G7305150	R6G7306150	R6G7308150

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↓ Size→	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M18x2.5	M20x2.5	M22x2.5	M24x3.0
d max	9.97	11.97	13.97	15.97	17.96	19.96	21.96	23.95
d min	9.72	11.70	16.85	15.65	17.60	19.60	21.60	23.55
Length Tolerance	4 - 6mm ±0.24, 7-10mm ±0.29, 11-16mm ±0.35, 20-30mm ±0.42, 35-50mm ±0.50, 55-80mm ±0.65, 85-120mm ±0.75. 125-180mm ±0.85, 190-240mm ±1.0, 250-350mm ±2.0							

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Length↓ Size→	M10x1.5	M12x1.75	M14x2.0	M16x2.0	M18x2.5	M20x2.5	M22x2.5	M24x3.0
12	R6G7310012							
14	R6G7310014							
16	R6G7310016	R6G7312016						
18	R6G7310018	R6G7312018						
20	R6G7310020	R6G7312020	R6G7314020	R6G7316020				
22	R6G7310022	R6G7312022	R6G7314022	R6G7316022				
25	R6G7310025	R6G7312025	R6G7314025	R6G7316025	R6G7318025	R6G7320025	R6G7322025	R6G7324025
30	R6G7310030	R6G7312030	R6G7314030	R6G7316030	R6G7318030	R6G7320030	R6G7322030	R6G7324030
35	R6G7310035	R6G7312035	R6G7314035	R6G7316035	R6G7318035	R6G7320035	R6G7322035	R6G7324035
40	R6G7310040	R6G7312040	R6G7314040	R6G7316040	R6G7318040	R6G7320040	R6G7322040	R6G7324040
45	R6G7310045	R6G7312045	R6G7314045	R6G7316045	R6G7318045	R6G7320045	R6G7322045	R6G7324045
50	R6G7310050	R6G7312050	R6G7314050	R6G7316050	R6G7318050	R6G7320050	R6G7322050	R6G7324050
55	R6G7310055	R6G7312055	R6G7314055	R6G7316055	R6G7318055	R6G7320055	R6G7322055	R6G7324055
60	R6G7310060	R6G7312060	R6G7314060	R6G7316060	R6G7318060	R6G7320060	R6G7322060	R6G7324060
65	R6G7310065	R6G7312065	R6G7314065	R6G7316065	R6G7318065	R6G7320065	R6G7322065	R6G7324065
70	R6G7310070	R6G7312070	R6G7314070	R6G7316070	R6G7318070	R6G7320070	R6G7322070	R6G7324070
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80	R6G7310080	R6G7312080	R6G7314080	R6G7316080	R6G7318080	R6G7320080	R6G7322080	R6G7324080
90	R6G7310090	R6G7312090	R6G7314090	R6G7316090	R6G7318090	R6G7320090	R6G7322090	R6G7324090
100	R6G7310100	R6G7312100	R6G7314100	R6G7316100	R6G7318100	R6G7320100	R6G7322100	R6G7324100
120	R6G7310120	R6G7312120	R6G7314120	R6G7316120	R6G7318120	R6G7320120	R6G7322120	R6G7324120
125	R6G7310025	R6G7312125	R6G7314125	R6G7316125	R6G7318125	R6G7320125	R6G7322125	R6G7324125
130	R6G7310130	R6G7312130	R6G7314130	R6G7316130	R6G7318130	R6G7320130	R6G7322130	R6G7324130
150	R6G7310150	R6G7312150	R6G7314150	R6G7316150	R6G7318150	R6G7320150	R6G7322150	R6G7324150
160	R6G7310160	R6G7312160	R6G7314160	R6G7316160	R6G7318160	R6G7320160	R6G7322160	R6G7324160
180	R6G7310180	R6G7312180	R6G7314180	R6G7316180	R6G7318180	R6G7320180	R6G7322180	R6G7324180
200	R6G7310200	R6G7312200	R6G7314200	R6G7316200	R6G7318200	R6G7320200	R6G7322200	R6G7324200
220	R6G7310220	R6G7312220	R6G7314220	R6G7316220	R6G7318220	R6G7320220	R6G7322220	R6G7324220
250	R6G7310250	R6G7312250	R6G7314250	R6G7316250	R6G7318250	R6G7320250	R6G7322250	R6G7324250
275		R6G7312275	R6G7314275	R6G7316275	R6G7318275	R6G7320275	R6G7322275	R6G7324275
300		R6G7312300	R6G7314300	R6G7316300	R6G7318300	R6G7320300	R6G7322300	R6G7324300
325		R6G7312325	R6G7314325	R6G7316325	R6G7318325	R6G7320325	R6G7322325	R6G7324325
350		R6G7312350	R6G7314350	R6G7316350	R6G7318350	R6G7320350	R6G7322350	R6G7324350

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