



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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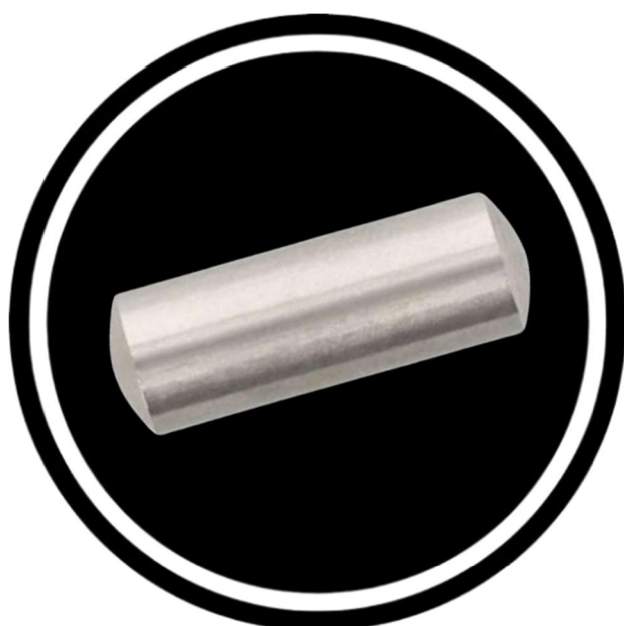
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TECHNICAL DATA SHEET

SOLID DOWEL PIN (PARALLEL PIN)



MATERIAL- STAINLESS STEEL

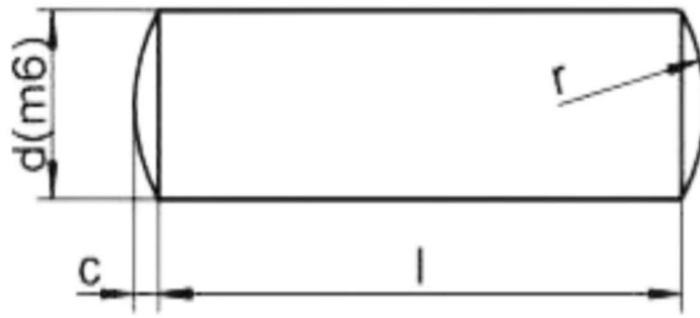
GRADE-SS316 (A4)

AS PER-DIN-7

CATALOGUE NO. R6G31

INSTALLATION GUIDE

- VERIFY THE DOWEL PIN DIAMETER, LENGTH, AND TOLERANCE MATCH THE APPLICATION REQUIREMENT.
- ENSURE THE MATING HOLE IS DRILLED AND REAMED TO THE CORRECT SIZE FOR INTERFERENCE OR SLIP FIT.
- CHECK THAT THE HOLE IS CLEAN, STRAIGHT, AND FREE FROM BURRS, OIL, OR DEBRIS.
- INSPECT THE DOWEL PIN FOR STRAIGHTNESS, SURFACE DAMAGE, OR CORROSION BEFORE INSTALLATION.
- ALIGN THE DOWEL PIN WITH THE HOLE AXIS BEFORE INSERTION.
- APPLY A LIGHT FILM OF OIL IF REQUIRED TO EASE INSTALLATION FOR INTERFERENCE FITS.
- PRESS THE DOWEL PIN INTO THE HOLE USING A PRESS TOOL OR ARBOR PRESS.
- APPLY FORCE EVENLY AND AXIALLY TO PREVENT PIN BENDING OR MISALIGNMENT.
- DO NOT HAMMER DIRECTLY ON THE PIN TO AVOID DEFORMATION OR SURFACE DAMAGE.
- ENSURE THE PIN IS SEATED TO THE SPECIFIED DEPTH OR FLUSH WITH THE SURFACE AS REQUIRED.
- VERIFY THAT THE PIN IS FIRMLY HELD AND DOES NOT MOVE OR ROTATE AFTER INSTALLATION.
- INSPECT THE FINAL ASSEMBLY TO CONFIRM ACCURATE ALIGNMENT AND SECURE LOCATION OF COMPONENTS.



NOTE: TOLARANCE IS M6

Dia→ Parameter↓	Ø0.8mm	Ø1mm	Ø1.5mm	Ø2mm	Ø2.5mm	Ø3mm	Ø4mm
Dia Tol	+0.002 to +0.008					+0.004 to +0.012	
c	0.13	0.15	0.23	0.30	0.40	0.45	0.60
r	0.80	1.00	1.50	2.00	2.50	3.00	4.00
Length Tolerance	3-6mm ±0.24 7-10mm ±0.29 11-18mm ±0.35 19-30mm ±0.42 31-50mm ±0.50 >50mm ±0.60						

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

All Dimensions in mm

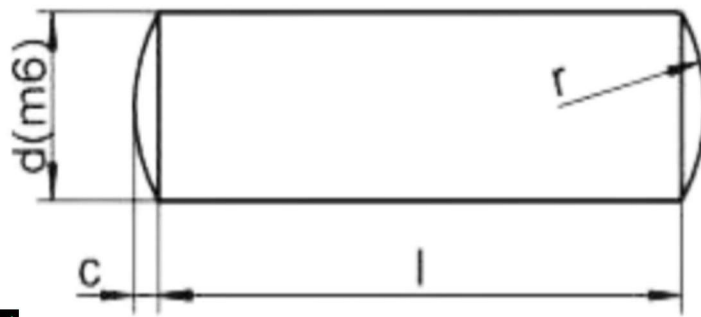
Dia→ Length↓	Ø0.8mm	Ø1mm	Ø1.5mm	Ø2mm	Ø2.5mm	Ø3mm	Ø4mm
3	R6G3100803	R6G3101003	R6G3110503				
4	R6G3100804	R6G3101004	R6G3110504	R6G3102004	R6G3120504	R6G3103004	
5	R6G3100805	R6G3101005	R6G3110505	R6G3102005	R6G3120505	R6G3103005	R6G3104005
6	R6G3100806	R6G3101006	R6G3110506	R6G3102006	R6G3120506	R6G3103006	R6G3104006
8	R6G3100808	R6G3101008	R6G3110508	R6G3102008	R6G3120508	R6G3103008	R6G3104008
10	R6G3100810	R6G3101010	R6G3110510	R6G3102010	R6G3120510	R6G3103010	R6G3104010
12	R6G3100812	R6G3101012	R6G3110512	R6G3102012	R6G3120512	R6G3103012	R6G3104012
14	R6G3100814	R6G3101014	R6G3110514	R6G3102014	R6G3120514	R6G3103014	R6G3104014
16	R6G3100816	R6G3101016	R6G3110516	R6G3102016	R6G3120516	R6G3103016	R6G3104016
18		R6G3101018	R6G3110518	R6G3102018	R6G3120518	R6G3103018	R6G3104018
20		R6G3101020	R6G3110520	R6G3102020	R6G3120520	R6G3103020	R6G3104020
24				R6G3102024	R6G3120524	R6G3103024	R6G3104024
28				R6G3102028	R6G3120528	R6G3103028	R6G3104028
30				R6G3102030	R6G3120530	R6G3103030	R6G3104030
32				R6G3102032	R6G3120532	R6G3103032	R6G3104032
36						R6G3103036	R6G3104036
40						R6G3103040	R6G3104040
45						R6G3103045	R6G3104045
50						R6G3103050	R6G3104050
55						R6G3103055	R6G3104055
60						R6G3103060	R6G3104060
65						R6G3103065	

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



NOTE: TOLARANCE IS M6

Dia→ Parameter↓	Ø5mm	Ø6mm	Ø8mm	Ø10mm	Ø12mm	Ø16mm	Ø20mm
Dia Tol	+0.004 to +0.012		+0.006 to +0.015		+0.007 to +0.018		+0.004 to +0.012
c	0.75	0.90	1.20	1.50	1.80	2.50	3.00
r	5.00	6.00	8.00	10.00	12.00	16.00	20.00
Length Tolerance	3-6mm ±0.24 7-10mm ±0.29 11-18mm ±0.35 19-30mm ±0.42 31-50mm ±0.50 51-80mm ±0.60 >80mm ±0.60						

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

All Dimensions in mm

Dia→ Length↓	Ø5mm	Ø6mm	Ø8mm	Ø10mm	Ø12mm	Ø16mm	Ø20mm
5	R6G3105005	R6G3106005					
6	R6G3105006	R6G3106006					
8	R6G3105008	R6G3106008	R6G3108008				
10	R6G3105010	R6G3106010	R6G3108010	R6G3110010	R6G3112010		
12	R6G3105012	R6G3106012	R6G3108012	R6G3110012	R6G3112012		
14	R6G3105014	R6G3106014	R6G3108014	R6G3110014	R6G3112014		
16	R6G3105016	R6G3106016	R6G3108016	R6G3110016	R6G3112016	R6G3116016	
18	R6G3105018	R6G3106018	R6G3108018	R6G3110018	R6G3112018	R6G3116018	
20	R6G3105020	R6G3106020	R6G3108020	R6G3110020	R6G3112020	R6G3116020	R6G3120020
24	R6G3105024	R6G3106024	R6G3108024	R6G3110024	R6G3112024	R6G3116024	R6G3120024
28	R6G3105028	R6G3106028	R6G3108028	R6G3110028	R6G3112028	R6G3116028	R6G3120028
30	R6G3105030	R6G3106030	R6G3108030	R6G3110030	R6G3112030	R6G3116030	R6G3120030
32	R6G3105032	R6G3106032	R6G3108032	R6G3110032	R6G3112032	R6G3116032	R6G3120032
36	R6G3105036	R6G3106036	R6G3108036	R6G3110036	R6G3110036	R6G3116036	R6G3120036
40	R6G3105040	R6G3106040	R6G3108040	R6G3110040	R6G3112040	R6G3116040	R6G3120040
45	R6G3105045	R6G3106045	R6G3108045	R6G3110045	R6G3112045	R6G3116045	R6G3120045
50	R6G3105050	R6G3106050	R6G3108050	R6G3110050	R6G3112050	R6G3116050	R6G3120050
55	R6G3105055	R6G3106055	R6G3108055	R6G3110055	R6G3112055	R6G3116055	R6G3120055
60	R6G3105060	R6G3106060	R6G3108060	R6G3110060	R6G3112060	R6G3116060	R6G3120060
65	R6G3105065	R6G3106065	R6G3108065	R6G3110065	R6G3112065	R6G3116065	R6G3120065
70	R6G3105070	R6G3106070	R6G3108070	R6G3110070	R6G3112070	R6G3116070	R6G3120070
75		R6G3106075	R6G3108075	R6G3110075	R6G3112075	R6G3116075	R6G3120075
80		R6G3106080	R6G3108080	R6G3110080	R6G3112080	R6G3116080	R6G3120080
90		R6G3106090	R6G3108090	R6G3110090	R6G3112090	R6G3116090	R6G3120090
100			R6G3108100	R6G3110100	R6G3112100	R6G3116100	R6G3120100

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