



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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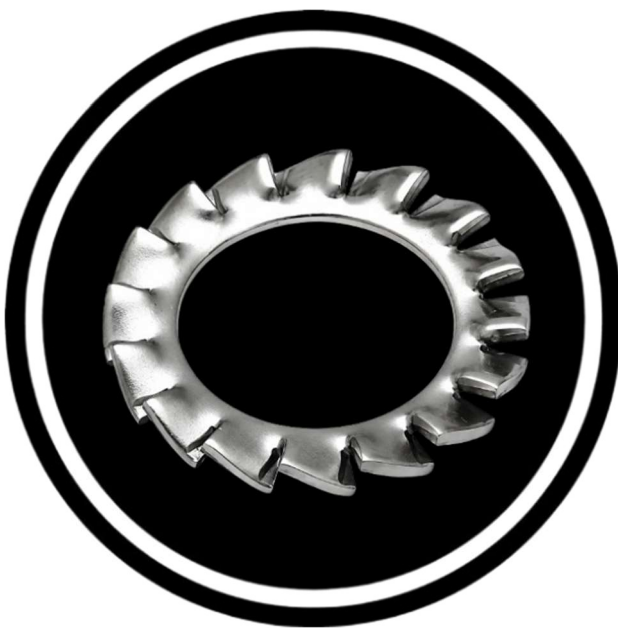


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## TECHNICAL DATA SHEET

### MULT-TOOTH EXTERNAL WASHER



**MATERIAL- STAINLESS STEEL**

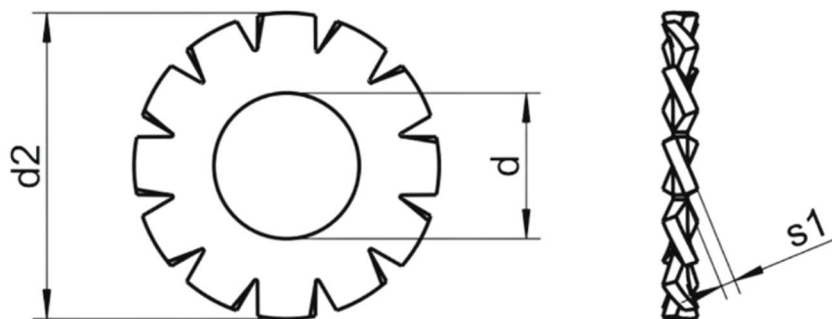
**GRADE-SS304 (A2)**

**AS PER-DIN-6798 TYPE-A**

**CATALOGUE NO. R4G62E**

### INSTALLATION GUIDE

- VERIFY THE WASHER SIZE, INNER DIAMETER, AND OUTER DIAMETER MATCH THE FASTENER AND APPLICATION REQUIREMENT.
- INSPECT THE MULTI TOOTH EXTERNAL WASHER FOR BENT, DAMAGED, OR WORN TEETH BEFORE INSTALLATION.
- ENSURE THE MATING SURFACES ARE CLEAN, DRY, AND FREE FROM OIL, PAINT, OR DEBRIS.
- POSITION THE EXTERNAL TOOTH WASHER BETWEEN THE FASTENER HEAD OR NUT AND THE MATING SURFACE.
- ENSURE THE EXTERNAL TEETH FACE THE CONTACT SURFACE TO PROVIDE MAXIMUM GRIP.
- ALIGN THE WASHER PROPERLY AROUND THE FASTENER SHANK.
- INSERT THE SCREW OR BOLT THROUGH THE WASHER AND INTO THE MATING THREAD OR NUT.
- HAND-TIGHTEN THE FASTENER INITIALLY TO MAINTAIN CORRECT WASHER POSITIONING.
- TIGHTEN THE FASTENER USING THE APPROPRIATE TOOL TO THE SPECIFIED TORQUE.
- ALLOW THE EXTERNAL TEETH TO BITE INTO THE MATING SURFACE TO RESIST VIBRATION LOOSENING.
- DO NOT OVERTIGHTEN, AS EXCESSIVE FORCE MAY FLATTEN THE TEETH AND REDUCE LOCKING PERFORMANCE.
- VERIFY THAT THE WASHER REMAINS FLAT AND FULLY SEATED AFTER TIGHTENING.
- CHECK THAT THE FASTENER IS SECURE AND THAT THE WASHER PROVIDES EFFECTIVE ANTI-ROTATION LOCKING.
- INSPECT THE FINAL ASSEMBLY FOR PROPER SEATING, SECURE FASTENING, AND RELIABLE VIBRATION RESISTANCE.



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

All Dimensions in mm

| Nominal Size | PART NUMBER | Inside Diameter d |       | Outside Diameter d2 |       | Thickness s1 |      | Minimum number of teeth |
|--------------|-------------|-------------------|-------|---------------------|-------|--------------|------|-------------------------|
| Bolt Size    |             | Min               | Max   | Min                 | Max   | Min          | Max  |                         |
| M1.6 [A1.7]  | R4G62E10600 | 1.70              | 1.84  | 3.30                | 3.80  | 0.27         | 0.33 | 9                       |
| M2 [A2.2]    | R4G62E02000 | 2.20              | 2.34  | 4.20                | 4.50  | 0.27         | 0.33 | 9                       |
| M2.2 [A2.5]  | R4G62E20200 | 2.50              | 2.64  | 4.70                | 5.00  | 0.36         | 0.44 | 9                       |
| M2.5 [A2.7]  | R4G62E20500 | 2.70              | 2.84  | 5.20                | 5.50  | 0.36         | 0.44 | 9                       |
| M3 [A3.2]    | R4G62E03000 | 3.20              | 3.38  | 5.70                | 6.00  | 0.36         | 0.44 | 9                       |
| M3.5 [A3.7]  | R4G62E30500 | 3.70              | 3.88  | 6.64                | 7.00  | 0.46         | 0.54 | 10                      |
| M4 [A4.3]    | R4G62E04000 | 4.30              | 4.48  | 7.64                | 8.00  | 0.46         | 0.54 | 11                      |
| #10 [A5.1]   | R4G62E05001 | 5.10              | 5.28  | 8.64                | 9.00  | 0.46         | 0.54 | 11                      |
| M5 [A5.3]    | R4G62E05000 | 5.30              | 5.48  | 9.64                | 10.00 | 0.55         | 0.65 | 11                      |
| M6 [A6.4]    | R4G62E06000 | 6.40              | 6.62  | 10.57               | 11.00 | 0.65         | 0.75 | 12                      |
| M7 [A.4]     | R4G62E07000 | 7.40              | 7.62  | 12.07               | 12.50 | 0.75         | 0.85 | 14                      |
| 5/16" [8.2]  | R4G62E08001 | 8.20              | 8.42  | 13.57               | 14.00 | 0.75         | 0.85 | 14                      |
| M8 [A8.4]    | R4G62E08000 | 8.40              | 8.62  | 14.57               | 15.00 | 0.75         | 0.85 | 14                      |
| M10 [A10.5]  | R4G62E10000 | 10.50             | 10.77 | 17.57               | 18.00 | 0.85         | 0.95 | 16                      |
| M12 [A13]    | R4G62E12000 | 13.00             | 13.27 | 19.98               | 20.50 | 0.94         | 1.06 | 16                      |
| M14 [A15]    | R4G62E14000 | 15.00             | 15.27 | 23.48               | 24.00 | 0.94         | 1.06 | 18                      |
| M16 [A17]    | R4G62E16000 | 17.00             | 17.27 | 25.48               | 26.00 | 1.14         | 1.26 | 18                      |
| M18 [A19]    | R4G62E18000 | 19.00             | 19.33 | 29.48               | 30.00 | 1.34         | 1.46 | 18                      |
| M20 [A21]    | R4G62E20000 | 21.00             | 21.33 | 32.38               | 33.00 | 1.34         | 1.46 | 20                      |
| M22 [A23]    | R4G62E22000 | 23.00             | 23.33 | 35.38               | 36.00 | 1.42         | 1.58 | 20                      |
| M24 [A25]    | R4G62E24000 | 25.00             | 25.33 | 37.38               | 38.00 | 1.42         | 1.58 | 20                      |
| M27 [A28]    | R4G62E27000 | 28.00             | 28.33 | 43.38               | 44.00 | 1.52         | 1.68 | 22                      |
| M30 [A31]    | R4G62E30000 | 31.00             | 31.39 | 47.38               | 48.00 | 1.52         | 1.68 | 22                      |

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