



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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## TECHNICAL DATA SHEET

### PAN COMBI WITH WASHER (WW)



MATERIAL- STAINLESS STEEL

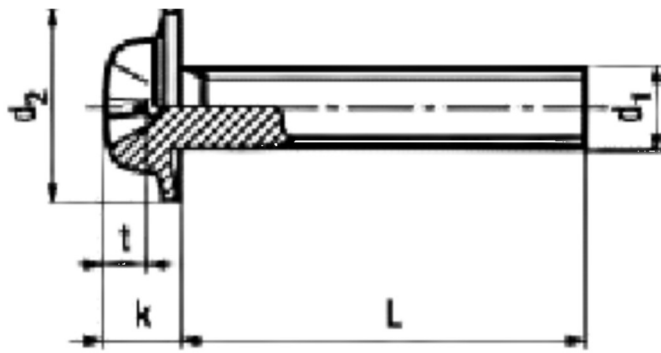
GRADE-SS316 (A4-70)

AS PER-NON-STANDRD

CATALOGUE NO. R6A03

### INSTALLATION GUIDE

- VERIFY THE SCREW SIZE, LENGTH, THREAD TYPE, AND INTEGRATED WASHER SPECIFICATION MATCH THE APPLICATION REQUIREMENT.
- INSPECT THE PAN COMBI WW SCREW FOR THREAD DAMAGE, WASHER LOOSENESS, OR SURFACE DEFECTS.
- ENSURE THE MATING COMPONENT HOLE DIAMETER IS CORRECT AND FREE FROM BURRS OR CONTAMINATION.
- ALIGN THE SCREW PERPENDICULAR TO THE MOUNTING HOLE BEFORE INSERTION.
- POSITION THE INTEGRATED WASHER FLAT AGAINST THE SURFACE.
- INSERT THE SCREW THROUGH THE COMPONENT AND INTO THE MATING THREAD.
- HAND-TIGHTEN INITIALLY TO ENSURE PROPER THREAD ENGAGEMENT AND ALIGNMENT.
- USE THE APPROPRIATE DRIVER TOOL TO TIGHTEN THE SCREW.
- APPLY STEADY AND CONTROLLED TORQUE DURING INSTALLATION.
- ENSURE THE WASHER PROVIDES EVEN LOAD DISTRIBUTION ON THE SURFACE.
- STOP TIGHTENING ONCE THE WASHER IS FULLY SEATED AND THE SPECIFIED TORQUE IS REACHED.
- DO NOT OVERTIGHTEN TO AVOID THREAD STRIPPING OR SURFACE DAMAGE.
- VERIFY THE SCREW IS SECURE AND DOES NOT LOOSEN UNDER LIGHT MANUAL CHECK.
- INSPECT THE FINAL ASSEMBLY FOR FLUSH SEATING, PROPER CLAMPING FORCE, AND SURFACE PROTECTION.



| Size →  | M2x0.40 | M2.5x0.45 | M3x0.5 | M4x0.7 | M5x0.8 | M6x1.0 |
|---------|---------|-----------|--------|--------|--------|--------|
| d2 max  | 4.80    | 6.00      | 7.30   | 9.10   | 11.20  | 13.00  |
| d2 min  | 4.20    | 5.30      | 6.60   | 8.30   | 10.40  | 12.20  |
| k max   | 1.60    | 1.80      | 2.25   | 3.05   | 3.45   | 3.80   |
| k min   | 1.20    | 1.40      | 1.80   | 2.60   | 3.00   | 3.25   |
| t (max) | 1.00    | 1.20      | 1.40   | 1.80   | 2.00   | 2.20   |

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

All Dimensions in mm

| Dia→<br>Length↓ | M2x0.40    | M2.5x0.45  | M3x0.5     | M4x0.7     | M5x0.8     | M6x1.0     |
|-----------------|------------|------------|------------|------------|------------|------------|
| 3               | R6A0302003 | R6A0320503 |            |            |            |            |
| 4               | R6A0302004 | R6A0320504 | R6A0303004 |            |            |            |
| 5               | R6A0302005 | R6A0320505 | R6A0303005 | R6A0304005 |            |            |
| 6               | R6A0302006 | R6A0320506 | R6A0303006 | R6A0304006 | R6A0305006 |            |
| 8               | R6A0302008 | R6A0320508 | R6A0303008 | R6A0304008 | R6A0305008 | R6A0306008 |
| 10              | R6A0302010 | R6A0320510 | R6A0303010 | R6A0304010 | R6A0305010 | R6A0306010 |
| 12              | R6A0302012 | R6A0320512 | R6A0303012 | R6A0304012 | R6A0305012 | R6A0306012 |
| 14              | R6A0302014 | R6A0320514 | R6A0303014 | R6A0304014 | R6A0305014 | R6A0306014 |
| 16              | R6A0302016 | R6A0320516 | R6A0303016 | R6A0304016 | R6A0305016 | R6A0306016 |
| 18              | R6A0302018 | R6A0320518 | R6A0303018 | R6A0304018 | R6A0305018 | R6A0306018 |
| 20              |            | R6A0320520 | R6A0303020 | R6A0304020 | R6A0305020 | R6A0306020 |
| 25              |            |            | R6A0303025 | R6A0304025 | R6A0305025 | R6A0306025 |
| 30              |            |            | R6A0303030 | R6A0304030 | R6A0305030 | R6A0306030 |
| 35              |            |            | R6A0303035 | R6A0304035 | R6A0305035 | R6A0306035 |
| 40              |            |            | R6A0303040 | R6A0304040 | R6A0305040 | R6A0306040 |
| 45              |            |            | R6A0303045 | R6A0304045 | R6A0305045 | R6A0306045 |
| 50              |            |            | R6A0303050 | R6A0304050 | R6A0305050 | R6A0306050 |

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