



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

# ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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## TECHNICAL DATA SHEET

### ALLEN SHCS SEMS SCREW (WASHER ATTACHED)



**MATERIAL- STAINLESS STEEL**

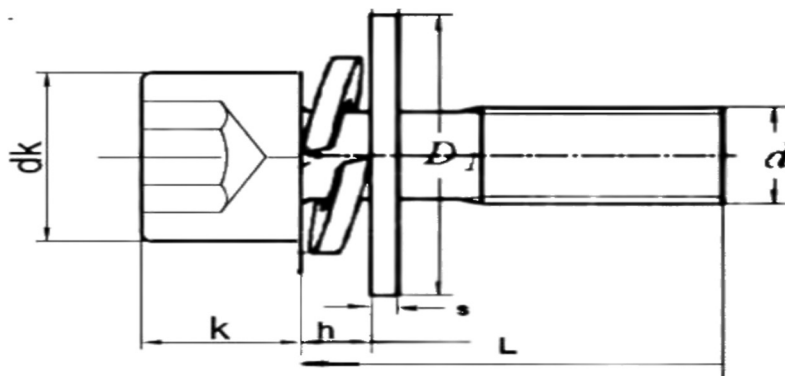
**GRADE-SS316 (A4-70)**

**AS PER-NON-STANDARD**

**CATALOGUE NO. R6C39A**

### INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF ALLEN SHCS SEMS SCREW AND MATCHING ALLEN KEY OR HEX WRENCH.
- VERIFY THAT THE INTEGRATED WASHER IS SECURELY ATTACHED TO THE SCREW SHANK.
- ENSURE THE MATING HOLE OR THREAD IS CLEAN AND FREE FROM DUST, OIL, OR DEBRIS.
- ALIGN THE COMPONENTS OR PARTS TO BE FASTENED IN THE CORRECT POSITION.
- INSERT THE ALLEN SHCS SEMS SCREW INTO THE HOLE BY HAND TO START THREADING.
- PLACE THE ALLEN KEY FIRMLY INTO THE HEX SOCKET OF THE SCREW HEAD.
- TURN THE ALLEN KEY CLOCKWISE TO TIGHTEN THE SCREW SECURELY.
- APPLY STEADY, CONTROLLED FORCE TO ENSURE EVEN TIGHTENING AND PROPER SEATING.
- DO NOT OVERTIGHTEN TO PREVENT THREAD DAMAGE OR MATERIAL DEFORMATION.
- ENSURE THE BUILT-IN WASHER IS EVENLY COMPRESSED AND PROVIDING PROPER LOAD DISTRIBUTION.
- INSPECT THE FINAL INSTALLATION TO CONFIRM THE SCREW IS FIRMLY SECURED AND THE WASHER IS FUNCTIONING AS INTENDED.



| Size→<br>Parameter↓ | M2x0.4 | M2.5x0.45 | M3x0.5 | M4x0.7 | M5x0.8 | M6x1.0 | M8x1.25 |
|---------------------|--------|-----------|--------|--------|--------|--------|---------|
| dk (max)            | 3.98   | 4.68      | 5.68   | 7.22   | 8.72   | 10.22  | 13.27   |
| dk (min)            | 3.62   | 4.32      | 5.32   | 6.78   | 8.28   | 9.78   | 12.73   |
| k (max)             | 2.00   | 2.50      | 3.00   | 4.00   | 5.00   | 6.00   | 8.00    |
| k (min)             | 1.86   | 2.36      | 2.86   | 3.82   | 4.82   | 5.70   | 7.64    |
| D1 (max)            | 5.00   | 6.00      | 7.00   | 9.00   | 10.00  | 12.00  | 16.00   |
| s (max)             | 0.35   | 0.55      | 0.55   | 0.90   | 1.10   | 1.80   | 1.80    |
| s (min)             | 0.25   | 0.45      | 0.45   | 0.70   | 0.90   | 1.40   | 1.40    |

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

All Dimensions in mm

| Size→<br>Length↓ | (M2x0.4)    | M2.5x0.45   | M3x0.5      | M4x0.7      | M5x0.8      | M6x1.0      | M8x1.25     |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5                | R6C39A02005 | R6C39A20505 | R6C39A03005 |             |             |             |             |
| 6                | R6C39A02006 | R6C39A20506 | R6C39A03006 | R6C39A04006 |             |             |             |
| 8                | R6C39A02008 | R6C39A20508 | R6C39A03008 | R6C39A04008 | R6C39A05008 |             |             |
| 10               | R6C39A02010 | R6C39A20510 | R6C39A03010 | R6C39A04010 | R6C39A05010 | R6C39A06010 |             |
| 12               | R6C39A02012 | R6C39A20512 | R6C39A03012 | R6C39A04012 | R6C39A05012 | R6C39A06012 | R6C39A08012 |
| 14               | R6C39A02014 | R6C39A20514 | R6C39A03014 | R6C39A04014 | R6C39A05014 | R6C39A06014 | R6C39A08014 |
| 16               | R6C39A02016 | R6C39A20516 | R6C39A03016 | R6C39A04016 | R6C39A05016 | R6C39A06016 | R6C39A08016 |
| 18               |             | R6C39A20518 | R6C39A03018 | R6C39A04018 | R6C39A05018 | R6C39A06018 | R6C39A08018 |
| 20               |             | R6C39A20520 | R6C39A03020 | R6C39A04020 | R6C39A05020 | R6C39A06020 | R6C39A08020 |
| 22               |             | R6C39A20522 | R6C39A03022 | R6C39A04022 | R6C39A05022 | R6C39A06022 | R6C39A08022 |
| 25               |             | R6C39A20525 | R6C39A03025 | R6C39A04025 | R6C39A05025 | R6C39A06025 | R6C39A08025 |
| 30               |             |             | R6C39A03030 | R6C39A04030 | R6C39A05030 | R6C39A06030 | R6C39A08030 |
| 35               |             |             | R6C39A03035 | R6C39A04035 | R6C39A05035 | R6C39A06035 | R6C39A08035 |
| 40               |             |             | R6C39A03040 | R6C39A04040 | R6C39A05040 | R6C39A06040 | R6C39A08040 |
| 45               |             |             |             | R6C39A04045 | R6C39A05045 | R6C39A06045 | R6C39A08045 |
| 50               |             |             |             | R6C39A04050 | R6C39A05050 | R6C39A06050 | R6C39A08050 |
| 55               |             |             |             | R6C39A04055 | R6C39A05055 | R6C39A06055 | R6C39A08055 |
| 60               |             |             |             | R6C39A04060 | R6C39A05060 | R6C39A06060 | R6C39A08060 |
| 65               |             |             |             |             | R6C39A05065 | R6C39A06065 | R6C39A08065 |
| 70               |             |             |             |             | R6C39A05070 | R6C39A06070 | R6C39A08070 |
| 80               |             |             |             |             | R6C39A05080 | R6C39A06080 | R6C39A08080 |
| 90               |             |             |             |             | R6C39A05090 | R6C39A06090 | R6C39A08090 |
| 100              |             |             |             |             | R6C39A05100 | R6C39A06100 | R6C39A08100 |

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