



GST NO.: 29AHZPU5620Q1ZZ

An ISO 9001:2015 Certified Company

ROYAL INDUSTRIAL SUPPLIERS

QUALITY FASTENERS SPECIALIST



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TECHNICAL DATA SHEET

HEX PHILLIPS SEMS SCREW (WASHER ATTACHED)



MATERIAL- STAINLESS STEEL

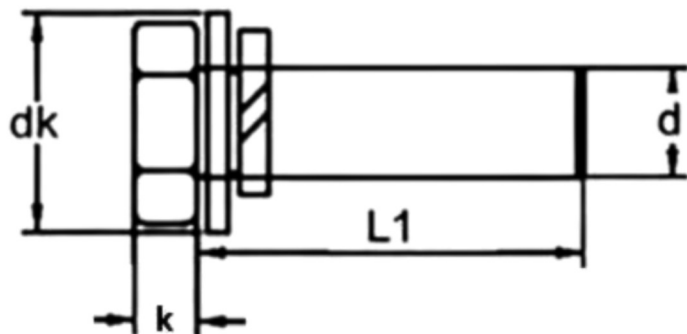
GRADE-SS316 (A4-70)

AS PER-NON-STANDARD

CATALOGUE NO. R6D86A

INSTALLATION GUIDE

- SELECT THE CORRECT SIZE OF HEX PHILLIPS SEMS SCREW AND MATCHING TOOL (SPANNER OR PHILLIPS SCREWDRIVER).
- VERIFY THAT THE INTEGRATED WASHER IS PROPERLY FIXED 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 THEIR CORRECT POSITION.
- INSERT THE HEX PHILLIPS SEMS SCREW INTO THE HOLE BY HAND TO START THREADING.
- USE A SPANNER OR PHILLIPS SCREWDRIVER TO TIGHTEN THE SCREW CLOCKWISE.
- APPLY STEADY AND CONTROLLED FORCE TO ENSURE PROPER SEATING OF THE SCREW AND WASHER.
- DO NOT OVERTIGHTEN TO AVOID THREAD DAMAGE OR MATERIAL DEFORMATION.
- ENSURE THE BUILT-IN WASHER IS EVENLY COMPRESSED AND DISTRIBUTING LOAD EFFECTIVELY.
- INSPECT THE FINAL INSTALLATION TO CONFIRM THAT THE SCREW IS FIRMLY SECURED AND THE WASHER IS FUNCTIONING CORRECTLY.



Size→ Parameter↓	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25	M10x1.5
dk (max)	7.00	9.00	10.00	12.00	16.00	17.00
dk (min)	6.60	8.60	9.60	11.50	15.50	16.50
k (max)	2.30	3.10	3.80	4.30	5.60	6.60
k (min)	1.70	2.50	3.20	3.70	5.00	6.15
s (max)	5.50	7.00	8.00	10.00	13.00	17.00
s (min)	0.45	0.70	0.90	1.50	0.90	1.50

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

All Dimensions in mm

Size→ Length↓	M3x0.5	M4x0.7	M5x0.8	M6x1.0	M8x1.25	M10x1.5
5	R6D86A03005					
6	R6D86A03006	R6D86A04006				
8	R6D86A03008	R6D86A04008	R6D86A05008			
10	R6D86A03010	R6D86A04010	R6D86A05010	R6D86A06010		
12	R6D86A03012	R6D86A04012	R6D86A05012	R6D86A06012		
14	R6D86A03014	R6D86A04014	R6D86A05014	R6D86A06014		
16	R6D86A03016	R6D86A04016	R6D86A05016	R6D86A06016	R6D86A05016	
18	R6D86A03018	R6D86A04018	R6D86A05018	R6D86A06018	R6D86A05018	
20	R6D86A03020	R6D86A04020	R6D86A05020	R6D86A06020	R6D86A05020	R6D86A06020
25	R6D86A03025	R6D86A04025	R6D86A05025	R6D86A06025	R6D86A05025	R6D86A06025
30	R6D86A03030	R6D86A04030	R6D86A05030	R6D86A06030	R6D86A05030	R6D86A06030
35		R6D86A04035	R6D86A05035	R6D86A06035	R6D86A05035	R6D86A06035
40		R6D86A04040	R6D86A05040	R6D86A06040	R6D86A05040	R6D86A06040
45		R6D86A04045	R6D86A05045	R6D86A06045	R6D86A05045	R6D86A06045
50		R6D86A04050	R6D86A05050	R6D86A06050	R6D86A05050	R6D86A06050

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