REFERENCE SHEET	RS745™	ISSUE 1
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Ring Spanner – Wrench Configuration and Ring Envelope		

NOTE: The issue status of this document remains unchanged as there have been no changes to the technical content.

SAE INDUSTRY TECHNOLOGIES CONSORTIA AEROSPACE STANDARDS AND PART QUALIFICATION PROGRAM

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RING SPANNER-WRENCH CONFIGURATION AND RING ENVELOPE

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ISSUED IN ACCORDANCE WITH THE TERMS OF THE FOREWORD TO SBAC AEROSPACE INDUSTRY STANDARDS

1. WRENCHING CONFIGURATION

1.1 The wrench configuration shall be capable of accepting the maximum double hexagon form in RS680.

1.2 The wrench configuration shall be capable of accepting a plain plug gauge to the diameters in Table 1.

TABLE 1

SIZE ACROSS FLATS (NOMINAL)	PLUG GAUGE DIAMETER	
	mm	INCH
.1875	5,00	.197
.2188	5,82	.229
.2500	6,65	.262
.3125	8,28	.326
.3750	9,96	.392
.4375	11,63	.458
.5000	13,31	.524
.5625	14,94	.588
.6250	16,61	.654
.6875	18,29	.720
.7500	19,91	.784

1.3 When mated with double hexagon fasteners conforming to the minimum condition of RS680 the wrenching configurating shall transmit torque to the fastener without bearing on the outer 5% of the flanks of the fastener wrenching profile. See Figure 1.

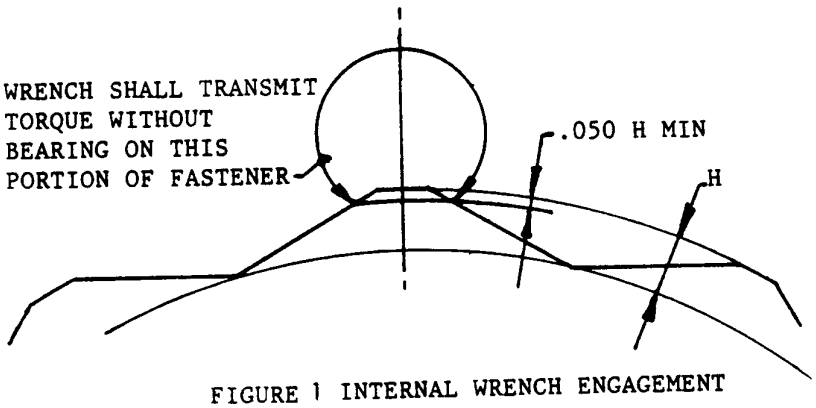

FIGURE 1 INTERNAL WRENCH ENGAGEMENT

ORIGINAL PAPER SIZE ISO A4 210 X 297 mm

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PREPARED BY THE SOCIETY OF BRITISH AEROSPACE COMPANIES LTD PROPULSION STANDARDS STEERING COMMITTEE

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