

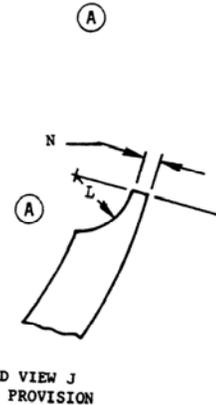
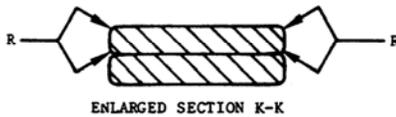
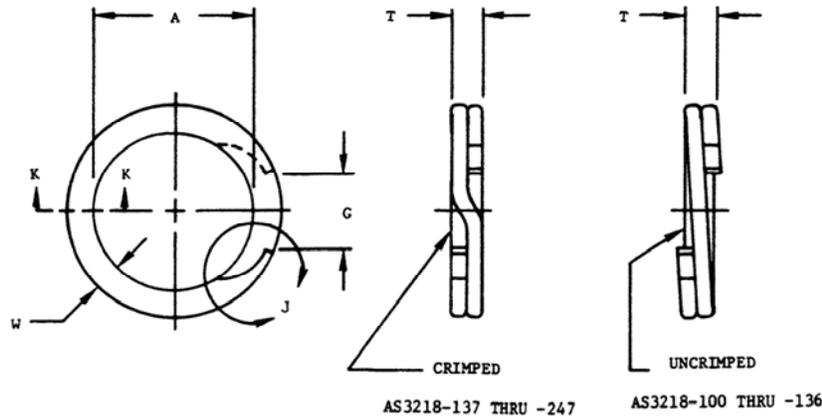
REV.
A

SAE AS3218

FEDERAL SUPPLY CLASS

RATIONALE

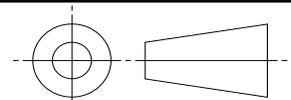
AS3218A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



1. MATERIAL: CORROSION RESISTANT STEEL AMS 7330
2. DIMENSIONAL AND ACCEPTANCE REQUIREMENTS: AS3219
3. SURFACE TEXTURE: ANSI B46.1-1962. SURFACES TO BE 32 MICROINCHES (0.8 MICROMETRES).
4. DIMENSIONS IN INCHES. METRIC CONVERSIONS ARE INTERNATIONAL SYSTEM UNITS (SI).
5. DIMENSIONING AND TOLERANCING: ANSI Y14.5-1973.
6. DO NOT USE UNASSIGNED PART NUMBERS.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3218A>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

RING, RETAINING-SPIRAL, EXTERNAL, LIGHT DUTY, CRES

SAE AS3218
SHEET 1 OF 7

REV. A

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ISSUED 1976-06 REVISED 1979-02 REAFFIRMED 2012-11

Retaining Ring Dimensions in Inches

A

Part Number	Nom. Shaft Dia.	A	T	W	G	R	L	N
AS3218-100	.500	.454-.467	.023-.027	.040-.048	.156-.344	.003-.006		.011-.027
AS3218-101	.531	.485-.498	.023-.027	.040-.048	.156-.344	.003-.006		.011-.027
AS3218-102	.551	.505-.518	.023-.027	.040-.048	.156-.344	.003-.006		.011-.027
AS3218-103	.562	.516-.529	.023-.027	.040-.048	.156-.344	.003-.006		.011-.027
AS3218-104	.594	.548-.561	.023-.027	.040-.048	.156-.344	.003-.006		.011-.027
AS3218-105	.625	.572-.585	.023-.027	.050-.058	.156-.344	.003-.006		.012-.034
AS3218-106	.656	.604-.617	.023-.027	.050-.058	.156-.344	.003-.006		.012-.034
AS3218-107	.669	.616-.629	.023-.027	.050-.058	.156-.344	.003-.006		.012-.034
AS3218-108	.687	.634-.647	.023-.027	.050-.058	.156-.344	.003-.006		.012-.034
AS3218-109	.718	.666-.679	.023-.027	.050-.058	.156-.344	.003-.006		.012-.034
AS3218-110	.750	.697-.710	.029-.033	.060-.068	.156-.344	.004-.008		.015-.040
AS3218-111	.781	.728-.741	.029-.033	.060-.068	.156-.344	.004-.008	.082	.015-.040
AS3218-112	.812	.758-.771	.029-.033	.060-.068	.156-.344	.004-.008	.042	.015-.040
AS3218-113	.843	.790-.803	.029-.033	.060-.068	.156-.344	.004-.008		.015-.040
AS3218-114	.875	.815-.828	.029-.033	.060-.068	.156-.344	.004-.008		.015-.040
AS3218-115	.906	.847-.860	.029-.033	.060-.068	.156-.344	.004-.008		.015-.040
AS3218-116	.937	.876-.889	.029-.033	.060-.068	.187-.375	.004-.008		.015-.040
AS3218-117	.968	.903-.916	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-118	.984	.917-.930	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-119	1.000	.933-.946	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-120	1.023	.955-.968	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-121	1.031	.965-.978	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-122	1.062	.992-1.007	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-123	1.093	1.025-1.040	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-124	1.125	1.055-1.070	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-125	1.156	1.087-1.102	.035-.039	.070-.078	.187-.375	.005-.009		.015-.045
AS3218-126	1.188	1.112-1.127	.041-.045	.080-.088	.187-.375	.006-.011		.030-.055
AS3218-127	1.218	1.144-1.159	.041-.045	.080-.088	.187-.375	.006-.011		.030-.055
AS3218-128	1.250	1.173-1.188	.041-.045	.080-.088	.187-.375	.006-.011		.030-.055
AS3218-129	1.281	1.206-1.221	.041-.045	.080-.088	.187-.375	.006-.011		.030-.055
AS3218-130	1.312	1.236-1.251	.041-.045	.090-.098	.187-.375	.006-.011	.145	.030-.060
AS3218-131	1.343	1.267-1.282	.041-.045	.090-.098	.250-.438	.006-.011	.105	.030-.060
AS3218-132	1.375	1.293-1.308	.041-.045	.090-.098	.250-.438	.006-.011		.030-.060
AS3218-133	1.406	1.325-1.340	.041-.045	.090-.098	.250-.438	.006-.011		.030-.060
AS3218-134	1.437	1.355-1.370	.041-.045	.090-.098	.250-.438	.006-.011		.030-.060
AS3218-135	1.468	1.387-1.402	.041-.045	.090-.098	.250-.438	.006-.011		.030-.060
AS3218-136	1.500	1.418-1.433	.041-.045	.090-.098	.250-.438	.006-.011		.030-.060
AS3218-137	1.562	1.470-1.490	.046-.052	.103-.111	.250-.438	.006-.012		.035-.065
AS3218-138	1.575	1.483-1.503	.046-.052	.103-.111	.250-.438	.006-.012		.035-.065
AS3218-139	1.625	1.529-1.549	.046-.052	.103-.111	.250-.438	.006-.012		.035-.065
AS3218-140	1.687	1.590-1.610	.046-.052	.113-.121	.250-.438	.006-.012		.035-.070
AS3218-141	1.750	1.653-1.673	.046-.052	.113-.121	.250-.438	.006-.012		.035-.070
AS3218-142	1.771	1.670-1.690	.046-.052	.113-.121	.250-.438	.006-.012		.035-.070
AS3218-143	1.813	1.710-1.730	.046-.052	.113-.121	.250-.438	.006-.012		.035-.070
AS3218-144	1.875	1.769-1.789	.046-.052	.123-.131	.250-.438	.006-.012		.035-.075
AS3218-145	1.938	1.824-1.844	.046-.052	.123-.131	.250-.438	.006-.012		.035-.075
AS3218-146	1.969	1.862-1.882	.046-.052	.123-.131	.312-.500	.006-.012		.035-.075
AS3218-147	2.000	1.889-1.909	.046-.052	.123-.131	.312-.500	.006-.012		.035-.075
AS3218-148	2.062	1.951-1.971	.046-.052	.123-.131	.312-.500	.006-.012		.035-.075
AS3218-149	2.125	2.009-2.029	.046-.052	.123-.131	.312-.500	.006-.012		.035-.075
AS3218-150	2.156	2.035-2.060	.046-.052	.133-.141	.312-.500	.006-.012	.208	.035-.080
AS3218-151	2.165	2.045-2.070	.046-.052	.133-.141	.312-.500	.006-.012	.168	.035-.080
AS3218-152	2.188	2.067-2.092	.046-.052	.133-.141	.312-.500	.006-.012		.035-.080
AS3218-153	2.250	2.128-2.153	.046-.052	.133-.141	.312-.500	.006-.012		.035-.080
AS3218-154	2.312	2.186-2.211	.046-.052	.133-.141	.312-.500	.006-.012		.035-.080
AS3218-155	2.362	2.236-2.261	.046-.052	.133-.141	.312-.500	.006-.012		.035-.080
AS3218-156	2.375	2.248-2.273	.046-.052	.133-.141	.312-.500	.006-.012		.035-.080
AS3218-157	2.437	2.306-2.331	.046-.052	.143-.151	.312-.500	.006-.012		.035-.085
AS3218-158	2.500	2.369-2.394	.046-.052	.143-.151	.312-.500	.006-.012		.035-.085
AS3218-159	2.559	2.424-2.449	.046-.052	.143-.151	.312-.500	.006-.012		.035-.085
AS3218-160	2.562	2.427-2.452	.046-.052	.143-.151	.344-.532	.006-.012		.035-.085
AS3218-161	2.625	2.489-2.514	.046-.052	.143-.151	.344-.532	.006-.012		.035-.085
AS3218-162	2.688	2.547-2.572	.046-.052	.153-.161	.344-.532	.006-.012		.035-.085
AS3218-163	2.750	2.605-2.635	.046-.052	.153-.161	.344-.532	.006-.012		.035-.085
AS3218-164	2.813	2.666-2.696	.046-.052	.162-.172	.344-.532	.006-.012		.040-.095

Retaining Ring Dimensions in Inches (Cont.)

A

Part Number	Nom. Shaft Dia.	A	T	W	G	R	L	N
AS3218-165	2.875	2.725- 2.755	.046-.052	.162-.172	.344-.532	.006-.012		.040-.095
AS3218-166	2.937	2.787- 2.817	.046-.052	.162-.172	.344-.532	.006-.012		.040-.095
AS3218-167	2.952	2.801- 2.831	.046-.052	.162-.172	.344-.532	.006-.012		.040-.095
AS3218-168	3.000	2.847- 2.877	.058-.064	.162-.172	.344-.532	.008-.015		.045-.100
AS3218-169	3.062	2.908- 2.938	.058-.064	.162-.172	.344-.532	.008-.015		.045-.100
AS3218-170	3.125	2.970- 3.000	.058-.064	.172-.182	.344-.532	.008-.015	.208	.045-.100
AS3218-171	3.149	2.993- 3.023	.058-.064	.172-.182	.344-.532	.008-.015	.168	.045-.100
AS3218-172	3.187	3.031- 3.061	.058-.064	.172-.182	.344-.532	.008-.015		.045-.100
AS3218-173	3.250	3.091- 3.121	.058-.064	.172-.182	.344-.532	.008-.015		.045-.100
AS3218-174	3.312	3.150- 3.180	.058-.064	.182-.192	.344-.532	.008-.015		.045-.115
AS3218-175	3.343	3.180- 3.210	.058-.064	.182-.192	.406-.594	.008-.015		.045-.115
AS3218-176	3.375	3.212- 3.242	.058-.064	.182-.192	.406-.594	.008-.015		.045-.115
AS3218-177	3.437	3.271- 3.301	.058-.064	.182-.192	.406-.594	.008-.015		.045-.115
AS3218-178	3.500	3.323- 3.363	.058-.064	.182-.192	.406-.594	.008-.015		.045-.115
AS3218-179	3.543	3.362- 3.402	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-180	3.562	3.382- 3.422	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-181	3.625	3.443- 3.483	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-182	3.687	3.503- 3.543	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-183	3.740	3.557- 3.597	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-184	3.750	3.566- 3.606	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-185	3.812	3.628- 3.668	.058-.064	.192-.202	.406-.594	.008-.015		.060-.125
AS3218-186	3.875	3.684- 3.724	.058-.064	.202-.212	.406-.594	.008-.015		.060-.125
AS3218-187	3.938	3.744- 3.784	.058-.064	.202-.212	.406-.594	.008-.015		.060-.125
AS3218-188	4.000	3.802- 3.842	.058-.064	.212-.222	.406-.594	.008-.015		.060-.130
AS3218-189	4.063	3.866- 3.906	.058-.064	.212-.222	.406-.594	.008-.015		.060-.130
AS3218-190	4.125	3.927- 3.967	.058-.064	.212-.222	.468-.656	.008-.015		.060-.130
AS3218-191	4.134	3.935- 3.975	.058-.064	.212-.222	.468-.656	.008-.015		.060-.130
AS3218-192	4.188	3.990- 4.030	.058-.064	.212-.222	.468-.656	.008-.015		.060-.130
AS3218-193	4.250	4.044- 4.084	.058-.064	.222-.232	.468-.656	.008-.015		.060-.130
AS3218-194	4.312	4.107- 4.147	.058-.064	.222-.232	.468-.656	.008-.015		.060-.130
AS3218-195	4.331	4.124- 4.164	.058-.064	.222-.232	.468-.656	.008-.015		.060-.130
AS3218-196	4.375	4.168- 4.208	.058-.064	.222-.232	.468-.656	.008-.015	.332	.060-.130
AS3218-197	4.437	4.231- 4.271	.058-.064	.222-.232	.468-.656	.008-.015	.292	.060-.130
AS3218-198	4.500	4.286- 4.326	.058-.064	.232-.242	.468-.656	.008-.015		.060-.130
AS3218-199	4.562	4.344- 4.384	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-200	4.625	4.407- 4.447	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-201	4.687	4.468- 4.508	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-202	4.724	4.506- 4.546	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-203	4.750	4.531- 4.571	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-204	4.812	4.593- 4.633	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-205	4.875	4.655- 4.695	.068-.076	.244-.254	.468-.656	.009-.018		.065-.145
AS3218-206	4.937	4.717- 4.757	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-207	5.000	4.780- 4.820	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-208	5.118	4.894- 4.934	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-209	5.125	4.899- 4.939	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-210	5.250	5.014- 5.064	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-211	5.375	5.137- 5.187	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-212	5.500	5.258- 5.308	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-213	5.511	5.270- 5.320	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-214	5.625	5.388- 5.438	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-215	5.750	5.500- 5.550	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-216	5.875	5.624- 5.674	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-217	5.905	5.655- 5.705	.068-.076	.244-.254	.531-.719	.009-.018		.065-.145
AS3218-218	6.000	5.748- 5.798	.068-.076	.244-.254	.500-.750	.009-.018		.065-.145
AS3218-219	6.125	5.853- 5.903	.082-.090	.304-.316	.500-.750	.011-.021		.070-.160
AS3218-220	6.250	5.966- 6.026	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-221	6.299	6.016- 6.076	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-222	6.375	6.092- 6.152	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-223	6.500	6.214- 6.274	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-224	6.625	6.330- 6.390	.082-.090	.304-.316	.625-.875	.011-.021	.520	.070-.160
AS3218-225	6.750	6.453- 6.513	.082-.090	.304-.316	.625-.875	.011-.021	.480	.070-.160
AS3218-226	6.875	6.578- 6.638	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-227	7.000	6.701- 6.761	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-228	7.125	6.817- 6.877	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-229	7.250	6.939- 6.999	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160

Retaining Ring Dimensions in Inches (Cont.)

(A)

Part Number	Nom. Shaft Dia.	A	T	W	C	R	L	N
AS3218-230	7.375	7.065- 7.125	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-231	7.500	7.180- 7.250	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-232	7.625	7.293- 7.363	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-233	7.750	7.416- 7.486	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-234	7.875	7.541- 7.611	.082-.090	.304-.316	.625-.875	.011-.021		.070-.160
AS3218-235	8.000	7.664- 7.734	.082-.090	.304-.316	.875-1.125	.011-.021		.070-.160
AS3218-236	8.250	7.902- 7.972	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-237	8.500	8.150- 8.220	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-238	8.750	8.389- 8.459	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-239	9.000	8.637- 8.707	.082-.090	.367-.379	.875-1.125	.011-.021	.520 .480	.100-.190
AS3218-240	9.250	8.875- 8.945	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-241	9.500	9.124- 9.194	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-242	9.750	9.362- 9.432	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-243	10.000	9.610- 9.680	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-244	10.250	9.848- 9.918	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-245	10.500	10.096-10.166	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-246	10.750	10.335-10.405	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190
AS3218-247	11.000	10.583-10.653	.082-.090	.367-.379	.875-1.125	.011-.021		.100-.190

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Retaining Ring Dimensions in Millimetres

(A)

Part Number	Non-Shaft Dia.	A	T	W	G	R	L	N
AS3218-100	12.70	11.53- 11.86	0.58-0.69	1.02- 1.22	4.0- 8.7	0.076-0.152		0.28- 0.69
AS3218-101	13.49	12.32- 12.65	0.58-0.69	1.02- 1.22	4.0- 8.7	0.076-0.152		0.28- 0.69
AS3218-102	14.00	12.83- 13.16	0.58-0.69	1.02- 1.22	4.0- 8.7	0.076-0.152		0.28- 0.69
AS3218-103	14.28	13.11- 13.44	0.58-0.69	1.02- 1.22	4.0- 8.7	0.076-0.152		0.28- 0.69
AS3218-104	15.09	13.92- 14.25	0.58-0.69	1.02- 1.22	4.0- 8.7	0.076-0.152		0.28- 0.69
AS3218-105	15.88	14.53- 14.86	0.58-0.69	1.27- 1.47	4.0- 8.7	0.076-0.152		0.30- 0.86
AS3218-106	16.66	15.34- 15.67	0.58-0.69	1.27- 1.47	4.0- 8.7	0.076-0.152		0.30- 0.86
AS3218-107	16.99	15.65- 15.98	0.58-0.69	1.27- 1.47	4.0- 8.7	0.076-0.152		0.30- 0.86
AS3218-108	17.45	16.10- 16.43	0.58-0.69	1.27- 1.47	4.0- 8.7	0.076-0.152		0.30- 0.86
AS3218-109	18.24	16.92- 17.25	0.58-0.69	1.27- 1.47	4.0- 8.7	0.076-0.152		0.30- 0.86
AS3218-110	19.05	17.70- 18.03	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20		0.38- 1.02
AS3218-111	19.84	18.49- 18.82	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20	2.1	0.38- 1.02
AS3218-112	20.62	19.25- 19.58	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20	1.1	0.38- 1.02
AS3218-113	21.41	20.07- 20.40	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20		0.38- 1.02
AS3218-114	22.22	20.70- 21.03	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20		0.38- 1.02
AS3218-115	23.01	21.51- 21.84	0.74-0.84	1.52- 1.73	4.0- 8.7	0.10 -0.20		0.38- 1.02
AS3218-116	23.80	22.25- 22.58	0.74-0.84	1.52- 1.73	4.7- 9.5	0.10 -0.20		0.38- 1.02
AS3218-117	24.59	22.94- 23.27	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-118	24.99	23.29- 23.62	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-119	25.40	23.70- 24.03	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-120	25.98	24.26- 24.59	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-121	26.19	24.51- 24.84	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-122	26.97	25.20- 25.58	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-123	27.76	26.04- 26.42	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-124	28.58	26.80- 27.18	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-125	29.36	27.61- 27.99	0.89-0.99	1.78- 1.98	4.7- 9.5	0.13 -0.23		0.38- 1.14
AS3218-126	30.18	28.24- 28.63	1.04-1.14	2.03- 2.24	4.7- 9.5	0.15 -0.28		0.76- 1.40
AS3218-127	30.94	29.06- 29.44	1.04-1.14	2.03- 2.24	4.7- 9.5	0.15 -0.28		0.76- 1.40
AS3218-128	31.75	29.79- 30.18	1.04-1.14	2.03- 2.24	4.7- 9.5	0.15 -0.28		0.76- 1.40
AS3218-129	32.54	30.63- 31.01	1.04-1.14	2.03- 2.24	4.7- 9.5	0.15 -0.28		0.76- 1.40
AS3218-130	33.32	31.39- 31.78	1.04-1.14	2.29- 2.49	4.7- 9.5	0.15 -0.28	3.7	0.76- 1.52
AS3218-131	34.11	32.18- 32.56	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28	2.7	0.76- 1.52
AS3218-132	34.92	32.84- 33.22	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28		0.76- 1.52
AS3218-133	35.71	33.66- 34.04	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28		0.76- 1.52
AS3218-134	36.50	34.42- 34.80	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28		0.76- 1.52
AS3218-135	37.29	35.23- 35.61	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28		0.76- 1.52
AS3218-136	38.10	36.02- 36.40	1.04-1.14	2.29- 2.49	6.4- 11.1	0.15 -0.28		0.76- 1.52
AS3218-137	39.67	37.34- 37.85	1.17-1.32	2.62- 2.82	6.4- 11.1	0.15 -0.30		0.89- 1.65
AS3218-138	40.00	37.67- 38.18	1.17-1.32	2.62- 2.82	6.4- 11.1	0.15 -0.30		0.89- 1.65
AS3218-139	41.28	38.84- 39.34	1.17-1.32	2.62- 2.82	6.4- 11.1	0.15 -0.30		0.89- 1.65
AS3218-140	42.85	40.39- 40.89	1.17-1.32	2.87- 3.07	6.4- 11.1	0.15 -0.30		0.89- 1.78
AS3218-141	44.45	41.99- 42.49	1.17-1.32	2.87- 3.07	6.4- 11.1	0.15 -0.30		0.89- 1.78
AS3218-142	44.98	42.42- 42.93	1.17-1.32	2.87- 3.07	6.4- 11.1	0.15 -0.30		0.89- 1.78
AS3218-143	46.05	43.43- 43.94	1.17-1.32	2.87- 3.07	6.4- 11.1	0.15 -0.30		0.89- 1.78
AS3218-144	47.62	44.93- 45.44	1.17-1.32	3.12- 3.33	6.4- 11.1	0.15 -0.30		0.9 - 1.9
AS3218-145	49.23	46.33- 46.84	1.17-1.32	3.12- 3.33	6.4- 11.1	0.15 -0.30		0.9 - 1.9
AS3218-146	50.01	47.29- 47.80	1.17-1.32	3.12- 3.33	7.9- 12.7	0.15 -0.30		0.9 - 1.9
AS3218-147	50.80	47.98- 48.49	1.17-1.32	3.12- 3.33	7.9- 12.7	0.15 -0.30		0.9 - 1.9
AS3218-148	52.37	49.56- 50.06	1.17-1.32	3.12- 3.33	7.9- 12.7	0.15 -0.30		0.9 - 1.9
AS3218-149	53.98	51.03- 51.54	1.17-1.32	3.12- 3.33	7.9- 12.7	0.15 -0.30		0.9 - 1.9
AS3218-150	54.76	51.69- 52.32	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30	5.3	0.9 - 2.0
AS3218-151	54.99	51.94- 52.58	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30	4.3	0.9 - 2.0
AS3218-152	55.58	52.50- 53.14	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30		0.9 - 2.0
AS3218-153	57.15	54.05- 54.69	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30		0.9 - 2.0
AS3218-154	58.72	55.52- 56.16	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30		0.9 - 2.0
AS3218-155	59.99	56.79- 57.43	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30		0.9 - 2.0
AS3218-156	60.32	57.10- 57.73	1.17-1.32	3.38- 3.58	7.9- 12.7	0.15 -0.30		0.9 - 2.0
AS3218-157	61.90	58.57- 59.21	1.17-1.32	3.63- 3.84	7.9- 12.7	0.15 -0.30		0.9 - 2.2
AS3218-158	63.50	60.17- 60.81	1.17-1.32	3.63- 3.84	7.9- 12.7	0.15 -0.30		0.9 - 2.2
AS3218-159	65.00	61.57- 62.20	1.17-1.32	3.63- 3.84	7.9- 12.7	0.15 -0.30		0.9 - 2.2
AS3218-160	65.07	61.65- 62.28	1.17-1.32	3.63- 3.84	8.7- 13.5	0.15 -0.30		0.9 - 2.2
AS3218-161	66.68	63.22- 63.86	1.17-1.32	3.63- 3.84	8.7- 13.5	0.15 -0.30		0.9 - 2.2
AS3218-162	68.28	64.69- 65.33	1.17-1.32	3.89- 4.09	8.7- 13.5	0.15 -0.30		0.9 - 2.2
AS3218-163	69.85	66.17- 66.93	1.17-1.32	3.89- 4.09	8.7- 13.5	0.15 -0.30		0.9 - 2.2
AS3218-164	71.45	67.72- 68.48	1.17-1.32	4.11- 4.37	8.7- 13.5	0.15 -0.30		1.0 - 2.4