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AS3472™

RATIONALE

FEDERAL SUPPLY CLASS
5365

AS3472A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

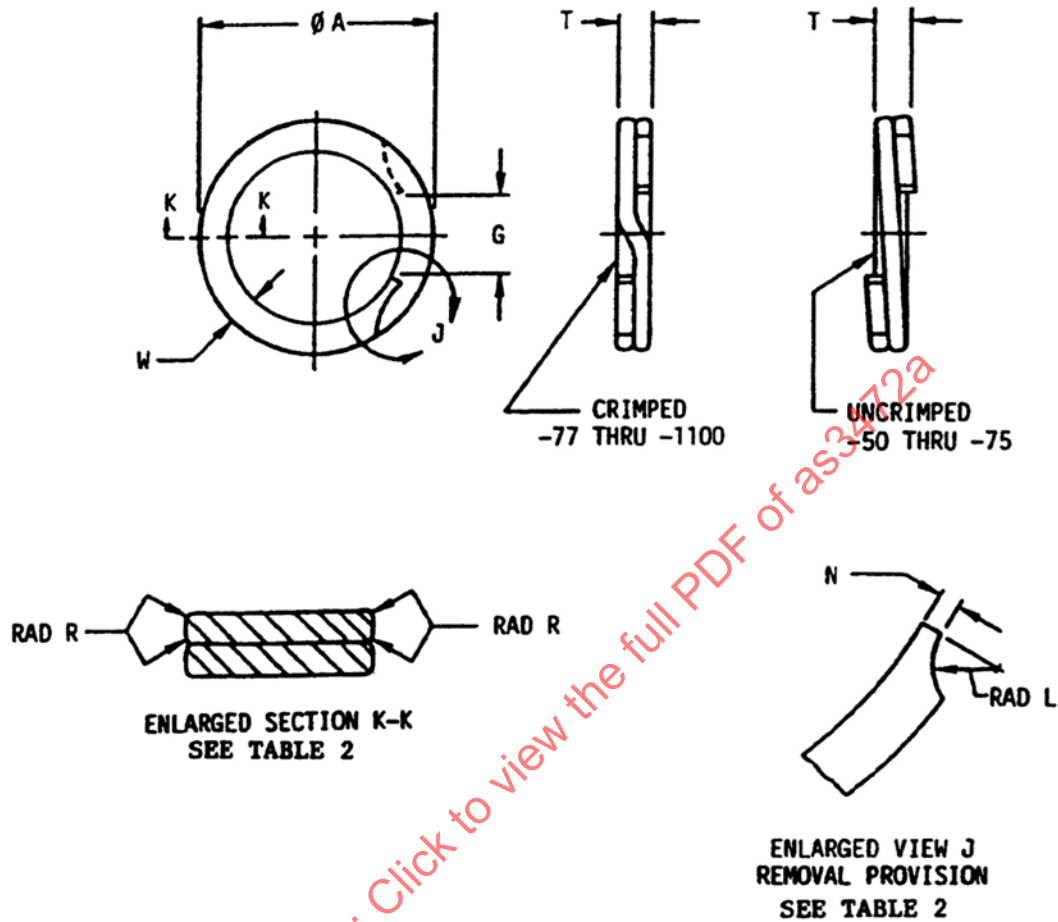
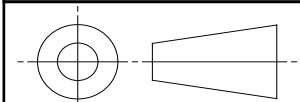


FIGURE 1

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3472A/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

RING, RETAINING - INTERNAL, SPIRAL WOUND
HEAVY AND MEDIUM DUTY, UNS S66286

AS3472™
SHEET 1 OF 7

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ISSUED 1992-02 REVISED 1996-11 REAFFIRMED 2024-10

TABLE 1 - RING DIMENSIONS, FREE STATE

TABLE 1A - SELECTED HEAVY DUTY SIZES

PART NO.	NOM BORE DIA	FREE OD fA	THICKNESS T	RADIAL WALL W	FREE GAP G	APPROX MASS lb/1000
AS3472-50	.500	.538-.551	.033-.037	.040-.048	.312-.438	.548
AS3472-51	.512	.550-.563	.033-.037	.040-.048	.312-.438	.565
AS3472-56	.562	.605-.618	.033-.037	.050-.058	.312-.438	.775
AS3472-62	.625	.675-.688	.033-.037	.050-.058	.312-.438	.894
AS3472-68	.688	.743-.756	.033-.037	.060-.068	.343-.469	1.167
AS3472-75	.750	.807-.820	.033-.037	.060-.068	.343-.469	1.295
AS3472-77	.777	.836-.849	.040-.044	.070-.078	.343-.469	1.840
AS3472-81	.812	.873-.886	.040-.044	.070-.078	.343-.469	1.942
AS3472-86	.866	.931-.944	.040-.044	.070-.078	.343-.469	2.101
AS3472-87	.875	.943-.956	.040-.044	.080-.088	.343-.469	2.400
AS3472-90	.901	.972-.985	.040-.044	.080-.088	.343-.469	2.467
AS3472-93	.938	1.013-1.026	.040-.044	.080-.088	.343-.469	2.595
AS3472-100	1.000	1.080-1.093	.040-.044	.080-.088	.375-.501	2.784
AS3472-102	1.023	1.105-1.118	.040-.044	.080-.088	.375-.501	2.862
AS3472-106	1.062	1.138-1.151	.048-.052	.098-.106	.375-.501	4.215
AS3472-112	1.125	1.205-1.218	.048-.052	.098-.106	.375-.501	4.519
AS3472-118	1.188	1.271-1.284	.048-.052	.098-.106	.375-.501	4.817
AS3472-125	1.250	1.339-1.352	.048-.052	.098-.106	.375-.501	5.125
AS3472-131	1.312	1.406-1.419	.048-.052	.113-.121	.375-.501	6.168
AS3472-137	1.375	1.471-1.484	.048-.052	.113-.121	.375-.501	6.506
AS3472-143	1.439	1.539-1.552	.048-.052	.113-.121	.406-.594	6.800
AS3472-145	1.456	1.559-1.572	.048-.052	.113-.121	.406-.594	6.904
AS3472-150	1.500	1.605-1.618	.048-.052	.113-.121	.406-.594	7.142
AS3472-156	1.562	1.675-1.695	.059-.065	.123-.131	.531-.719	9.777
AS3472-162	1.625	1.742-1.762	.059-.065	.123-.131	.531-.719	10.244
AS3472-165	1.653	1.772-1.792	.059-.065	.123-.131	.531-.719	10.453
AS3472-168	1.688	1.810-1.830	.059-.065	.123-.131	.531-.719	10.718
AS3472-175	1.750	1.876-1.896	.059-.065	.123-.131	.531-.719	11.177
AS3472-181	1.812	1.940-1.960	.059-.065	.123-.131	.531-.719	11.622
AS3472-185	1.850	1.981-2.001	.059-.065	.153-.161	.531-.719	14.496
AS3472-187	1.875	2.008-2.028	.059-.065	.153-.161	.531-.719	14.787
AS3472-193	1.938	2.075-2.095	.059-.065	.153-.161	.531-.719	15.368
AS3472-200	2.000	2.142-2.162	.059-.065	.153-.161	.563-.813	15.849

TABLE 1B - SELECTED MEDIUM DUTY SIZES

PART NO.	NOM BORE DIA	FREE OD 1A	THICKNESS T	RADIAL WALL W	FREE GAP G	APPROX MASS lb/1000
AS3472-204	2.047	2.138-2.158	.046-.052	.123-.131	.531-.719	10.341
AS3472-206	2.062	2.154-2.179	.046-.052	.123-.131	.531-.719	10.443
AS3472-212	2.125	2.217-2.242	.046-.052	.123-.131	.531-.719	10.790
AS3472-216	2.165	2.260-2.285	.046-.052	.133-.141	.531-.719	11.850
AS3472-218	2.188	2.284-2.309	.046-.052	.133-.141	.531-.719	11.993
AS3472-225	2.250	2.347-2.372	.046-.052	.133-.141	.531-.719	12.368
AS3472-231	2.312	2.413-2.438	.046-.052	.133-.141	.531-.719	12.761
AS3472-237	2.375	2.476-2.501	.046-.052	.133-.141	.531-.719	13.136
AS3472-243	2.437	2.543-2.568	.046-.052	.143-.151	.531-.719	14.459
AS3472-244	2.440	2.546-2.571	.046-.052	.143-.151	.531-.719	14.478
AS3472-250	2.500	2.606-2.631	.046-.052	.143-.151	.719-.907	14.649
AS3472-253	2.531	2.641-2.666	.046-.052	.143-.151	.719-.907	14.873
AS3472-256	2.562	2.673-2.698	.046-.052	.143-.151	.719-.907	15.078
AS3472-262	2.625	2.736-2.761	.046-.052	.143-.151	.719-.907	15.482
AS3472-267	2.677	2.789-2.814	.046-.052	.153-.161	.719-.907	16.860
AS3472-268	2.688	2.803-2.828	.046-.052	.153-.161	.719-.907	16.956
AS3472-275	2.750	2.865-2.890	.046-.052	.153-.161	.719-.907	17.380
AS3472-281	2.813	2.929-2.954	.046-.052	.153-.161	.719-.907	17.818
AS3472-283	2.834	2.954-2.979	.046-.052	.162-.172	.719-.907	19.060
AS3472-287	2.875	2.995-3.020	.046-.052	.162-.172	.719-.907	19.359
AS3472-293	2.937	3.058-3.083	.046-.052	.162-.172	.719-.907	19.818
AS3472-295	2.952	3.073-3.098	.046-.052	.162-.172	.719-.907	19.928
AS3472-300	3.000	3.122-3.147	.058-.064	.162-.172	.719-.907	25.114
AS3472-306	3.062	3.186-3.211	.058-.064	.162-.172	.719-.907	25.714
AS3472-312	3.125	3.251-3.281	.058-.064	.172-.182	.719-.907	27.787
AS3472-314	3.149	3.276-3.306	.058-.064	.172-.182	.875-1.125	27.710
AS3472-318	3.187	3.311-3.341	.058-.064	.172-.182	.875-1.125	28.045
AS3472-325	3.250	3.379-3.409	.058-.064	.172-.182	.875-1.125	28.697
AS3472-331	3.312	3.446-3.476	.058-.064	.182-.192	.875-1.125	30.861
AS3472-334	3.346	3.479-3.509	.058-.064	.182-.192	.875-1.125	31.196
AS3472-337	3.375	3.509-3.539	.058-.064	.182-.192	.875-1.125	31.500
AS3472-343	3.437	3.574-3.604	.058-.064	.182-.192	.875-1.125	32.158
AS3472-350	3.500	3.636-3.666	.058-.064	.182-.192	.875-1.125	32.786
AS3472-354	3.543	3.684-3.714	.058-.064	.192-.202	.875-1.125	34.983
AS3472-356	3.562	3.703-3.733	.058-.064	.192-.202	.875-1.125	35.186



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SHEET 3 OF 7REV.
A

TABLE 1B (CONTINUED)

PART NO.	NOM BORE DIA	FREE OD fA	THICKNESS T	RADIAL WALL W	FREE GAP G	APPROX MASS lb/1000
AS3472-362	3.625	3.769-3.799	.058-.064	.192-.202	.875-1.125	35.891
AS3472-368	3.687	3.832-3.862	.058-.064	.192-.202	.875-1.125	36.564
AS3472-374	3.740	3.885-3.915	.058-.064	.192-.202	.875-1.125	37.129
AS3472-375	3.750	3.894-3.924	.058-.064	.192-.202	.875-1.125	37.225
AS3472-381	3.812	3.963-3.993	.058-.064	.202-.212	.875-1.125	39.774
AS3472-387	3.875	4.025-4.055	.058-.064	.202-.212	1.063-1.313	40.097
AS3472-393	3.938	4.089-4.119	.058-.064	.202-.212	1.063-1.313	40.818
AS3472-400	4.000	4.157-4.187	.058-.064	.212-.222	1.063-1.313	43.468
AS3472-406	4.063	4.222-4.252	.058-.064	.212-.222	1.063-1.313	44.234
AS3472-412	4.125	4.284-4.319	.058-.064	.212-.222	1.063-1.313	44.994
AS3472-418	4.188	4.347-4.382	.058-.064	.212-.222	1.063-1.313	45.737
AS3472-425	4.250	4.416-4.451	.058-.064	.222-.232	1.063-1.313	48.567
AS3472-431	4.312	4.479-4.514	.058-.064	.222-.232	1.063-1.313	49.344
AS3472-433	4.330	4.497-4.532	.058-.064	.222-.232	1.063-1.313	49.566
AS3472-437	4.375	4.543-4.578	.058-.064	.222-.232	1.063-1.313	50.134
AS3472-443	4.437	4.611-4.646	.058-.064	.232-.242	1.063-1.313	53.084
AS3472-450	4.500	4.674-4.709	.058-.064	.232-.242	1.063-1.313	53.896
AS3472-452	4.527	4.701-4.736	.058-.064	.232-.242	1.063-1.313	54.244
AS3472-456	4.562	4.737-4.772	.058-.064	.232-.242	1.063-1.313	54.707
AS3472-462	4.625	4.803-4.838	.068-.076	.244-.254	1.063-1.313	68.596
AS3472-468	4.687	4.867-4.902	.068-.076	.244-.254	1.375-1.625	68.741
AS3472-472	4.724	4.903-4.938	.068-.076	.244-.254	1.375-1.625	69.316
AS3472-475	4.750	4.930-4.965	.068-.076	.244-.254	1.375-1.625	69.747
AS3472-481	4.812	4.993-5.028	.068-.076	.244-.254	1.375-1.625	70.753
AS3472-487	4.875	5.055-5.090	.068-.076	.244-.254	1.375-1.625	71.743
AS3472-492	4.921	5.102-5.137	.068-.076	.244-.254	1.375-1.625	72.493
AS3472-493	4.937	5.122-5.157	.068-.076	.244-.254	1.375-1.625	72.812
AS3472-500	5.000	5.185-5.220	.068-.076	.244-.254	1.375-1.625	73.817
AS3472-511	5.118	5.304-5.339	.068-.076	.244-.254	1.375-1.625	75.716
AS3472-512	5.125	5.311-5.346	.068-.076	.244-.254	1.375-1.625	75.828
AS3472-525	5.250	5.436-5.481	.068-.076	.244-.254	1.375-1.625	77.901
AS3472-537	5.375	5.566-5.611	.068-.076	.244-.254	1.375-1.625	79.974
AS3472-550	5.500	5.693-5.738	.068-.076	.244-.254	1.375-1.625	81.999
AS3472-551	5.511	5.703-5.748	.068-.076	.244-.254	1.375-1.625	82.158
AS3472-562	5.625	5.818-5.863	.068-.076	.244-.254	1.375-1.625	83.991

TABLE 1B (CONTINUED)

PART NO.	NOM BORE DIA	FREE OD fA	THICKNESS T	RADIAL WALL W	FREE GAP G	APPROX MASS lb/1000
AS3472-570	5.708	5.909-5.954	.068-.076	.244-.254	1.625-1.875	84.749
AS3472-575	5.750	5.950-5.995	.068-.076	.244-.254	1.625-1.875	85.403
AS3472-587	5.875	6.077-6.122	.068-.076	.244-.254	1.625-1.875	87.428
AS3472-590	5.905	6.106-6.151	.068-.076	.244-.254	1.625-1.875	87.891
AS3472-600	6.000	6.202-6.247	.068-.076	.244-.254	1.625-1.875	89.422
AS3472-612	6.125	6.349-6.394	.082-.090	.304-.316	1.625-1.875	134.920
AS3472-625	6.250	6.474-6.529	.082-.090	.304-.316	1.625-1.875	138.006
AS3472-629	6.299	6.524-6.579	.082-.090	.304-.316	1.625-1.875	139.193
AS3472-637	6.375	6.601-6.656	.082-.090	.304-.316	1.625-1.875	141.021
AS3472-650	6.500	6.726-6.781	.082-.090	.304-.316	1.625-1.875	143.987
AS3472-662	6.625	6.863-6.918	.082-.090	.304-.316	1.625-1.875	147.238
AS3472-669	6.692	6.931-6.986	.082-.090	.304-.316	1.625-1.875	148.851
AS3472-675	6.750	6.987-7.042	.082-.090	.304-.316	1.625-1.875	150.180
AS3472-687	6.875	7.114-7.169	.082-.090	.304-.316	1.625-1.875	153.192
AS3472-700	7.000	7.239-7.294	.082-.090	.304-.316	1.625-1.875	156.156
AS3472-708	7.086	7.337-7.392	.082-.090	.304-.316	2.063-2.313	156.677
AS3472-712	7.125	7.376-7.431	.082-.090	.304-.316	2.063-2.313	157.604
AS3472-725	7.250	7.501-7.566	.082-.090	.304-.316	2.063-2.313	160.690
AS3472-737	7.375	7.628-7.693	.082-.090	.304-.316	2.063-2.313	163.705
AS3472-748	7.480	7.734-7.799	.082-.090	.304-.316	2.063-2.313	166.221
AS3472-750	7.500	7.754-7.819	.082-.090	.304-.316	2.063-2.313	166.696
AS3472-762	7.625	7.890-7.955	.082-.090	.304-.316	2.063-2.313	169.923
AS3472-775	7.750	8.014-8.079	.082-.090	.304-.316	2.063-2.313	172.865
AS3472-787	7.875	8.131-8.196	.082-.090	.304-.316	2.063-2.313	175.641
AS3472-800	8.000	8.266-8.331	.082-.090	.304-.316	2.063-2.313	179.034
AS3472-825	8.250	8.528-8.593	.082-.090	.367-.379	2.063-2.313	221.244
AS3472-826	8.267	8.546-8.611	.082-.090	.367-.379	2.063-2.313	221.759
AS3472-846	8.464	8.744-8.809	.082-.090	.367-.379	2.063-2.313	227.426
AS3472-850	8.500	8.780-8.845	.082-.090	.367-.379	2.063-2.313	228.456
AS3472-875	8.750	9.041-9.106	.082-.090	.367-.379	2.063-2.313	235.925
AS3472-885	8.858	9.151-9.216	.082-.090	.367-.379	2.625-2.875	236.285
AS3472-900	9.000	9.293-9.358	.082-.090	.367-.379	2.625-2.875	240.353
AS3472-905	9.055	9.359-9.424	.082-.090	.367-.379	2.625-2.875	242.244
AS3472-925	9.250	9.555-9.620	.082-.090	.367-.379	2.625-2.875	247.858
AS3472-944	9.448	9.755-9.820	.082-.090	.367-.379	2.625-2.875	253.585



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SHEET 5 OF 7REV.
A