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REV.
C

AS51990™

FEDERAL SUPPLY CLASS
5365

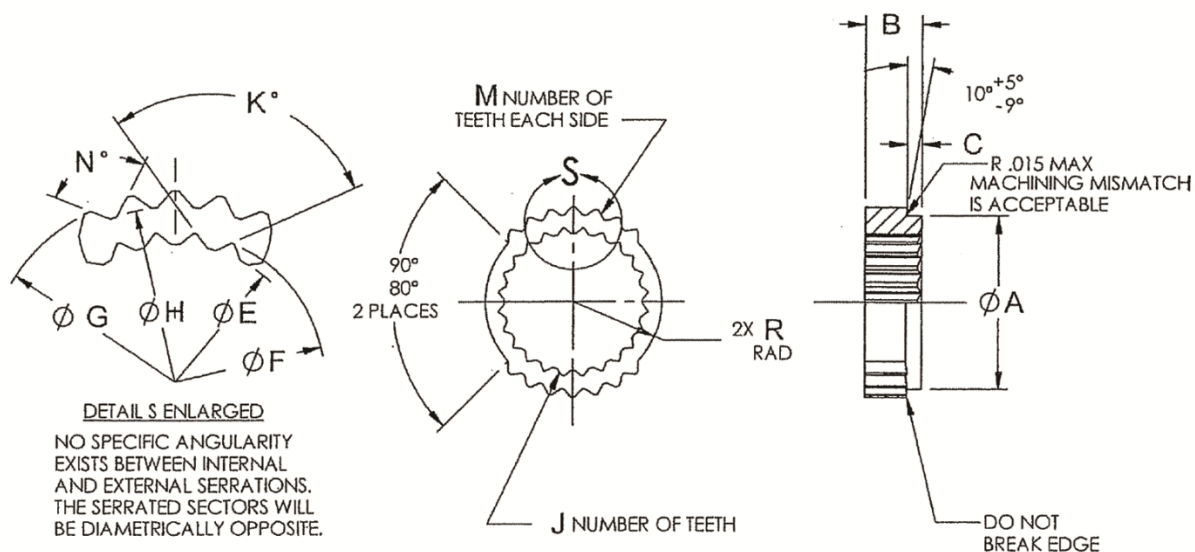
RATIONALE

THIS IS A LIMITED SCOPE CHANGE. THE HARDNESS REQUIREMENT FOR CRES PARTS (NOTE 5) IS CORRECTED TO "269 HB."

NOTICE

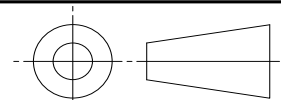
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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: MIL-DTL-45910



AEROSPACE STANDARD

RING, LOCK, SERRATED

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TABLE 1A - PART NUMBERS AND DIMENSIONS ØA, B, C, ØE, AND ØF

PART NUMBERS ALLOY STEEL	PART NUMBERS CORROSION AND HEAT RESISTANT STEEL	PART NUMBERS					
		ØA	B	C	ØE	ØF	
MS51990-102P	MS51990E102P	.218- .228	.079-.089	.022-.032	.158- .165	.184- .194	
MS51990-103P	MS51990E103P	.250- .260	.094-.104	.035-.045	.186- .193	.218- .228	
MS51990-104P	MS51990E104P	.293- .303	.094-.104	.035-.045	.210- .217	.247- .257	
MS51990-105P	MS51990E105P	.338- .348	.107-.117	.035-.045	.263- .270	.310- .320	
MS51990-106P	MS51990E106P	.395- .405	.133-.143	.035-.045	.320- .327	.359- .369	
MS51990-107P	MS51990E107P	.475- .485	.140-.150	.035-.045	.387- .394	.420- .430	
MS51990-108P	MS51990E108P	.555- .565	.140-.150	.035-.045	.465- .472	.500- .510	
MS51990-109P	MS51990E109P	.697- .707	.156-.166	.044-.054	.571- .578	.608- .618	
MS51990-110P	MS51990E110P	.832- .842	.171-.181	.051-.061	.692- .699	.735- .745	
MS51990-111P	MS51990E111P	.953- .963	.171-.181	.051-.061	.792- .799	.840- .850	
MS51990-112P	MS51990E112P	1.073-1.083	.171-.181	.051-.061	.905- .912	.945- .955	
MS51990-113P	MS51990E113P	1.227-1.237	.188-.198	.065-.075	1.032-1.039	1.088-1.098	
MS51990-114P	MS51990E114P	1.366-1.376	.188-.198	.065-.075	1.186-1.193	1.242-1.252	
MS51990-115P	MS51990E115P	1.504-1.514	.188-.198	.065-.075	1.279-1.286	1.334-1.344	

TABLE 1B - PART NUMBERS AND DIMENSIONS ØG, ØH, J, K, M, N, AND R

PART NUMBERS ALLOY STEEL	PART NUMBERS CORROSION AND HEAT RESISTANT STEEL	PART NUMBERS							
		ØG	ØH	J	K DEGREES	M	N DEGREES	(R)	
MS51990-102P	MS51990E102P	.270- .279	.240- .249	14	100-103	5	98-102	.120	
MS51990-103P	MS51990E103P	.304- .313	.273- .282	16	88- 91	5	98-102	.135	
MS51990-104P	MS51990E104P	.350- .359	.318- .327	13	100-103	6	88- 92	.159	
MS51990-105P	MS51990E105P	.395- .404	.357- .366	17	84- 87	6	88- 92	.180	
MS51990-106P	MS51990E106P	.464- .473	.424- .433	20	100-103	7	88- 92	.214	
MS51990-107P	MS51990E107P	.541- .550	.505- .514	24	100-103	9	88- 92	.252	
MS51990-108P	MS51990E108P	.620- .629	.583- .592	26	100-103	10	88- 92	.293	
MS51990-109P	MS51990E109P	.763- .772	.725- .734	26	109-112	11	98-102	.362	
MS51990-110P	MS51990E110P	.906- .915	.865- .874	30	109-112	12	98-102	.431	
MS51990-111P	MS51990E111P	1.036-1.045	.988- .997	30	109-112	10	109-113	.492	
MS51990-112P	MS51990E112P	1.166-1.175	1.107-1.116	38	100-103	11	100-104	.551	
MS51990-113P	MS51990E113P	1.322-1.331	1.268-1.277	36	109-112	10	109-113	.629	
MS51990-114P	MS51990E114P	1.452-1.461	1.396-1.405	48	88- 91	10	100-104	.692	
MS51990-115P	MS51990E115P	1.607-1.616	1.545-1.554	42	109-112	8	109-113	.770	



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