

# Gapped Cores

## A<sub>L</sub> Value Tolerances

SIZE	GAP TO GAP ± 3%	UNGAPPED TO GAP COMBINATION			
		±3%	±5%	±7%	±10%
<b>E CORES*</b>		PAGE 24 - 27			
41203	16-27	28-55	≤86	≤117	≤160
41205	28-47	48-107	≤170	≤229	≤316
41707	22-37	38-89	≤140	≤190	≤259
41808	27-42	43-121	≤192	≤258	≤355
41810	44-74	75-235	≤376	≤512	≤704
42510	37-61	62-200	≤318	≤432	≤595
42515	28-43	44-210	≤333	≤452	≤616
42520	107-190	191-397	≤643	≤874	≤1202
42530	45-72	73-409	≤655	≤891	≤1225
43007	42-67	68-307	≤491	≤668	≤919
43009	55-91	92-222	≤353	≤475	≤653
43515	54-87	88-429	≤687	≤934	≤1284
43520	65-111	112-461	≤738	≤1003	≤1380
44011	59-95	96-642	≤1029	≤1400	≤1940
44016	52-83	84-545	≤872	≤1185	≤1629
44020	78-126	127-916	≤1480	≤1999	
44022	94-156	157-1187	≤1903	≤1999	
44317	81-136	137-762	≤1222	≤1676	≤1999
44721	107-180	181-1188	≤1920	≤1999	
45528	113-186	187-500	≤1999		
45530	150-360	361-600	≤1999		
45724	129-218	219-450	≤1999		
46016	102-129	130-1231	≤1999		
46527	142-235	236-650	≤1999		
47133	150-285	286-950	≤1999		
47228	120-199	200-1823	≤1999		
48020	99-158	159-1922	≤1999		
49928	150-285	286-975	≤1999		
<b>EC CORES</b>		PAGE 38 - 39			
43517	49-79	80-438	≤702	≤954	≤1312
44119	61-98	99-627	≤1004	≤1365	≤1891
45224	76-123	124-911	≤1471	≤1999	
47035	83-135	136-1403	≤1999		

\*These tolerances also apply to E-I combination.

SIZE	GAP TO GAP ± 3%	UNGAPPED TO GAP COMBINATION			
		±3%	±5%	±7%	±10%
<b>PLANAR E CORES*</b>		PAGE 28 - 31			
41425	19-35	36-76	≤122	≤166	≤228
41434	17-31	32-77	≤123	≤167	≤230
41805	18-32	33-205	≤329	≤448	≤617
42107	35-66	67-188	≤304	≤414	≤569
42216	78-141	142-405	≤656	≤892	≤1239
43208	118-216	217-643	≤1040	≤1427	≤1964
43618	119-222	223-673	≤1088	≤1491	≤1999
43808	173-315	316-956	≤1547	≤1999	
44008	106-189	190-507	≤821	≤1116	≤1548
44308	201-367	368-1130	≤1828	≤1999	
44310	169-305	306-1130	≤1828	≤1999	
45810	266-481	482-1496	≤1999		
46410	379-701	702-1999			
49938	336-594	595-1999			
<b>ER CORES*</b>		PAGE 32 - 33			
40906	15-65	66-70	≤110	≤150	≤200
41126	40-74	75-100	≤140	≤190	≤275
41426	45-84	85-130	≤190	≤250	≤380
41826	50-84	85-200	≤325	≤445	≤650
42313	55-90	91-200	≤525	≤710	≤900
43021	80-169	170-710	≤1050	≤1460	≤1975
<b>EER/ETD CORES</b>		PAGE 40 - 41/44 - 45			
43434	55-88	89-500	≤806	≤1095	≤1507
43521	54-86	87-566	≤913	≤1241	≤1707
43939	95-156	157-641	≤1028	≤1398	≤1935
44216	71-117	118-876	≤1415	≤1925	≤1999
44444	73-117	118-881	≤1423	≤1935	≤1999
44949	81-130	131-1075	≤1736	≤1999	
45959	51-118	119-1822	≤1999		
<b>EFD CORES</b>		PAGE 42 - 43			
41212	18-29	30-90	≤130	≤170	≤230
41515	19-30	31-81	≤127	≤172	≤236
42019	29-45	46-220	≤350	≤430	≤575
42523	41-66	67-296	≤475	≤646	≤888
43030	50-90	91-450	≤790	≤975	≤1125

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## A<sub>L</sub> Value Tolerances

SIZE	GAP TO GAP ± 3%	UNGAPPED TO GAP COMBINATION			
		±3%	±5%	±7%	±10%
<b>EP CORES</b>		PAGE 48 - 49			
40707	25-50	51-75	≤125		≤160
41010	25-55	56-75	≤125		≤160
41313	25-75	76-110	≤175	≤275	≤315
41717	25-100	101-175	≤275	≤400	≤630
42120	25-180	181-450	≤630	≤850	≤1250
<b>POT CORES</b>		PAGE 50 - 51			
40704	25-35	36-62	≤95	≤125	≤175
40905	25-48	49-87	≤135	≤180	≤240
41107	25-75	76-135	≤220	≤285	≤399
41408	71-113	114-210	≤307	≤417	≤574
41811	96-174	175-326	≤523	≤712	≤988
41814	65-135	136-340	≤510	≤700	≤980
42213	113-204	205-482	≤779	≤1060	≤1459
42616	139-249	250-695	≤1125	≤1543	≤1999
43019	170-304	305-1015	≤1642	≤1999	
43622	222-399	400-1494	≤1999		
44229	169-389	390-1965	≤1999		
<b>RS (ROUND-SLAB) CORES</b>		PAGE 52 - 53			
41408		25-177	≤283	≤385	≤530
41811	25-39	40-270	≤400	≤525	≤800
42311	25-39	40-347	≤708	≤963	≤1325
42318	25-39	40-452	≤731	≤994	≤1378
42616	25-39	40-622	≤998	≤1369	≤1884
43019	25-62	63-918	≤1485	≤1999	
43622	40-62	63-1286	≤1999		
44229	40-62	63-1732	≤1999		

SIZE	GAP TO GAP ± 3%	UNGAPPED TO GAP COMBINATION			
		±3%	±5%	±7%	±10%
<b>DS (DOUBLE SLAB) CORES</b>		PAGE 52 - 53			
42311	109-195	196-386	≤625	≤850	≤1170
42318	78-135	136-441	≤706	≤961	≤1332
42616	117-205	206-580	≤930	≤1276	≤1756
43019	149-264	265-873	≤1412	≤1922	≤1999
43622	170-300	301-1111	≤1797	≤1999	
44229	179-315	316-1543	≤1999		
<b>PQ CORES</b>		PAGE 54 - 55			
42016	60-184	185-467	≤755	≤1027	≤1425
42020	50-139	140-467	≤754	≤1026	≤1422
42610	200-396	397-777	≤1258	≤1728	≤1999
42614	110-334	335-645	≤1044	≤1421	≤1972
42620	95-296	297-888	≤1436	≤1955	≤1999
42625	77-234	235-880	≤1423	≤1936	≤1999
43214	127-416	417-548	≤885	≤1207	≤1661
43220	128-409	410-486	≤1369	≤1878	≤1999
43230	84-241	242-808	≤1305	≤1775	≤1999
43535	89-255	256-980	≤1575	≤1999	
44040	83-230	231-1006	≤1625	≤1999	
45050	128-210	210-1999			
<b>RM CORES</b>		PAGE 56 - 57			
41110	25-50	51-55	≤75	≤170	≤250
41510	56-98	99-162	≤258	≤352	≤484
41812	69-120	121-238	≤381	≤519	≤714
41912	69-120	121-238	≤381	≤519	≤714
42316	84-150	151-395	≤633	≤862	≤1195
42819	126-200	201-625	≤1002	≤1374	≤1892
43723	145-250	251-977	≤1580	≤1999	

Chart shows type of combination and the guaranteed tolerance for corresponding A<sub>L</sub> ranges. Ranges indicated are the tolerances for standard gaps. For ± 5%, ± 7%, and ± 10%, the maximum A<sub>L</sub> for each is shown. Standard cores are manufactured to the smallest allowed tolerances. EE and EI tolerances are identical.