

DIA	NUMBER OF CONVOLUTIONS								
	4	5	6	7	8	9	10	11	12
	NEUTRAL LENGTH, "+" AXIAL EXTENSION, "-" AXIAL COMPRESSION								
1.50"			5" +3/16" -5/16"	5-1/2" +7/32" -3/8"	6" +1/4" -7/16"	6-1/2" +9/32" -1/2"	7" +5/16" -9/16"	7-1/2" +11/32" -5/8"	8" +3/8" -11/16"
2"			5" +3/16" -5/16"	5-1/2" +7/32" -3/8"	6" +1/4" -7/16"	6-1/2" +9/32" -1/2"	7" +5/16" -9/16"	7-1/2" +11/32" -5/8"	8" +3/8" -11/16"
3"			5-7/8" +1/4" -7/16"	6-7/16" +9/32" -17/32"	7" +5/16" -5/8"	7-9/16" +3/8" -22/32"	8-1/8" +7/16" -13/16"	8-11/16" +1/2" -29/32"	9-1/4" +9/16" -1"
4"			6-3/8" +9/32" -1/2"	7" +5/16" -11/16"	7-5/8" +11/32" -11/16"	8-1/4" +13/32" -25/32"	8-7/8" +15/32" -7/8"	9-1/2" +17/32" -31/32"	10-1/8" +19/32" -1-1/16"
6"			7-1/4" +11/32" -5/8"	8" +15/32" -3/4"	8-3/4" +15/32" -7/8"	9-1/2" +9/16" -1"	10-1/4" +5/8" -1-1/8"	11" +11/16" -1-1/4"	11-3/4" +3/4" -1-3/8"
8"	6-1/2" +1/4" -15/32"	7-5/16" +11/32" -5/8"	8-1/8" +7/16" -25/32"	8-15/16" +17/32" -15/16"	9-3/4" +5/8" -1-3/32"	10-9/16" +23/32" -1-1/4"	11-3/8" +13/16" -1-13/32"	12-3/16" +29/32" -1-9/16"	13" +1" -1-3/4"
10"	7" +9/32" -1/2"	7-7/8" +3/8" -21/32"	8-3/4" +15/32" -13/16"	9-5/8" +9/16" -31/32"	10-1/2" +3/4" 1-5/16"	11-3/8" +3/4" -1-5/16"	12-1/4" +27/32" -1-1/2"	13-1/8" +15/16" -1-11/16"	14" +1-1/16" -1-7/8"
12"	7-3/4" +5/16" -9/16"	8-3/4" +13/32" -3/4"	9-3/4" +1/2" -15/16"	10-3/4" +5/8" -1-1/8"	11-1/4" +3/4" -1-5/16"	12-3/4" +7/8" -1-1/2"	13-3/4" +1" -1-11/16"		
14"	8-3/4" +5/16" -9/16"	9-15/16" +13/32" -3/4"	11-1/8" +1/2" -15/16"	12-5/16" +5/8" -1-1/8"	13-1/2" +3/4" -1-5/16"	14-11/16" +7/8" -1-1/2"	15-7/8" +1" -1-11/16"		
16"	9-3/4" +3/8" -11/16"	10-1/2" +1/2" -15/16"	11-3/4" +5/8" -1-3/16"	13" +25/32" -1-7/8"	14-1/4" +15/16" -1-11/16"	15-1/2" +1-3/32" -1-15/16"	16-3/4" +1-1/4" -2-3/16"		
18"	9-3/4" +3/8" -11/16"	11" 1/2" -15/16"	12-1/4" +5/8" -1-3/16"	13-1/2" +25/32" -1-7/8"	14-3/4" +15/16" -1-11/16"	16" +1-3/32" -1-15/16"	17-1/4" +1-1/4" 2-3/16"		
20"	10-1/2"	11-7/8"	13-1/4"	14-5/8"	16"	17-3/8"	18-3/4"		

	+7/16" -3/4"	+9/16" -1"	+11/16" -1-1/4"	+27/32" -1-1/2"	+1" -1-3/4"	+1-5/32" -2"	+1-5/16" -2-1/4"	
24"	11-1/4" +7/16" -3/4"	12-11/16" +9/16" -1"	14-1/8" +11/16" -1-1/4"	15-9/16" +27/32" -1-1/2"	17" +1" -1-3/4"	18-7/8" +1-5/32" -2"	19-7/8" +1-5/16" -2-1/4"	