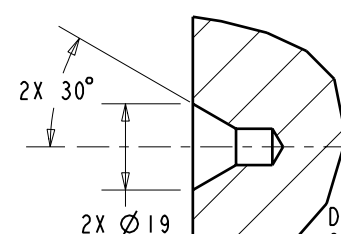
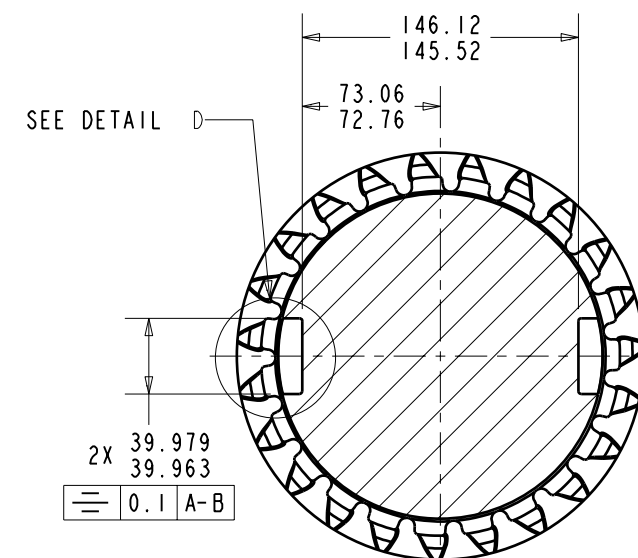




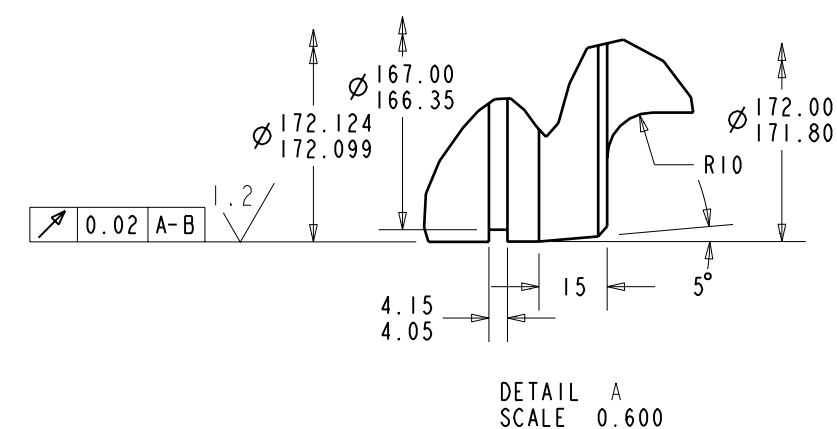
7. RADIAL ALIGNMENT OF GEAR TEETH TO OTHER FEATURES NOT REQUIRED.



Technical drawing of a detail of a parapet wall. The drawing shows a cross-section of a parapet wall with a sloped top surface. Key dimensions include: a top width of 172.00 and a bottom width of 171.90; a vertical height of 172.00; a horizontal offset of 6X 0.40; a top slope of 3X 35°; a bottom slope of 3X 28°; a horizontal distance of 25; and a bottom width of .50 X 45° TYP. The drawing is labeled 'DETAIL B' and 'SCALE 0.600'.

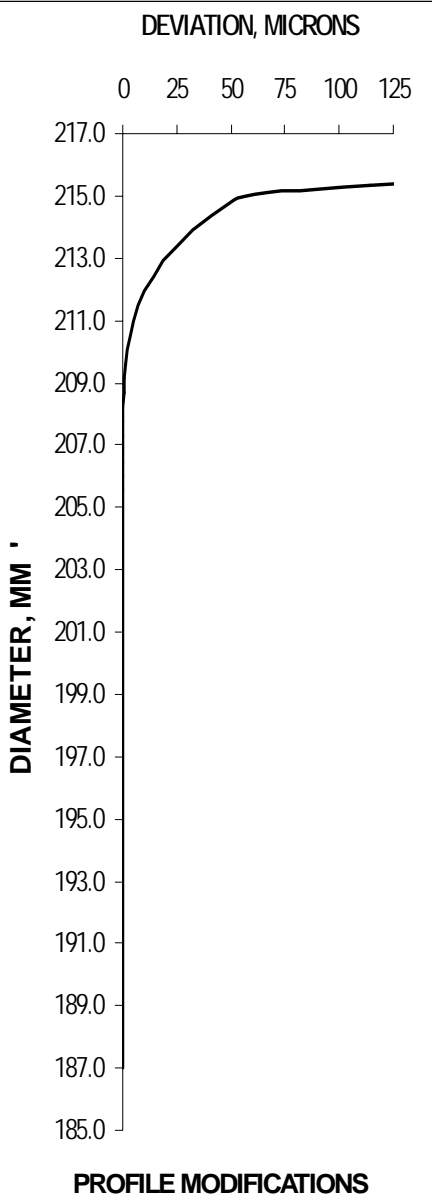


SECTION B-B



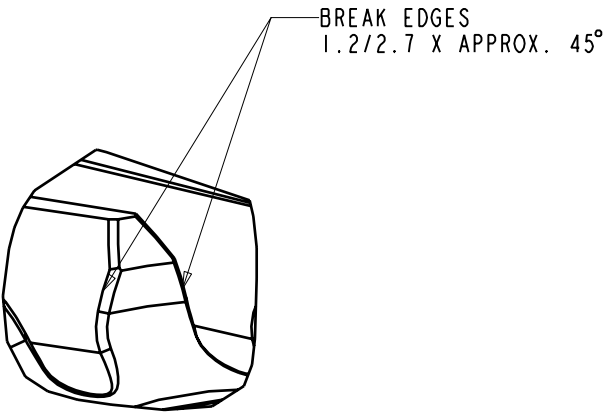
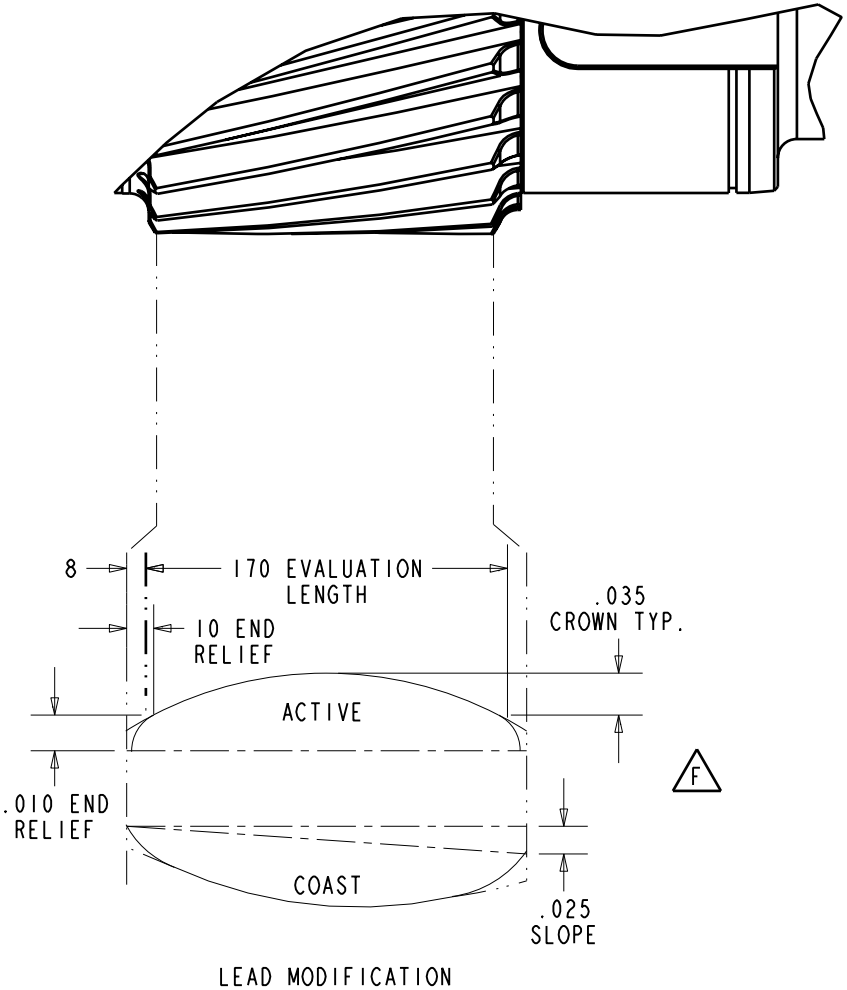
REV	CHANGED FROM	BY	DATE	APVD	REPORT ERRORS & CHANGES REMOVE ALL SHARP EDGES DIMENSIONS ARE IN MM UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:	Powertrain Engineers Inc W293 N3819 Round Hill Circle Pewaukee Wi, 53072				
A	RELEASED	PEI	8/30/07		X, ±1.0 Ra 3.2 µm < ±0.5 .X ±0.5 .XX ±0.25 COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY.	TITLE				
B	RELEASED FOR DESIGN REVIEW	PEI	11/29/07			PINION, INTERMEDIATE				
C	REVISED PER MARK-UP FROM DRAWING REVIEW	PEI	12/24/07							
D	REVISED TOLERANCE, .018 WAS .18, AND .015 WAS .15	PEI	5/05/08							
E	MOVED SHAFT DIMENSION TO ELIMINATE AMBIGUITY	PEI	8/04/08							
F	REVISED CROWN DIMENSION, LOCATED INCORRECTLY	PEI	9/16/08		DRAWN	PEI	DATE	SCALE: 0.250	WEIGHT: 99.593 Kgs	SHEET 1 OF 2
					CHECKED					

HELICAL GEAR DATA	
Number of Teeth	23
Normal Module	8.2500
Normal Pressure Angle	20.0000
Whole depth Constant	2.400
Oper pitch diameter (mm)	197.1429
Gen Pitch diameter (mm)	195.5589
Profile shift coefficient X1	0.1200
Base diameter (mm)	183.1008
Major Diameter max (mm) (REF.)	215.400
Form Diameter (mm)	186.801
Root Diameter (REF) (mm)	173.462
Tool Tip Radius min (mm)	3.32
Generating Helix Angle	14.0000
Hand of helix	Left
Lead	2464.0895
Number of teeth in Mate	82
Center Distance (mm)	450.000
Norm cir backlash w/ Mate (min/max) (mm)	0.4 / 0.3
Quality per AGMA 2015, Datum Surface	A
Grade, active flank	5
Grade, coast flank	6
Trans Cir TT on Gen Dia, Min (mm)	14.232
Trans Cir TT on Gen Dia, Max (mm)	14.279
Size over 16.1 balls (max/min) (mm)	222.97 / 222.875
Span over 4 teeth (max/min) (mm)	88.981 / 88.938



START OF INVOLUTE (ROOT)	7.3622	in.
END OF INVOLUTE (TIP)	8.4803	in.

Diameter mm.	Diameter in.	Relief, 1/10,000 inches	Relief, microns
187.001	7.3622	0.0	0.00
205.570	8.0933	0.0	0.00
206.004	8.1104	0.0	0.00
206.441	8.1276	0.0	0.00
206.881	8.1449	0.0	0.01
207.325	8.1624	0.0	0.04
207.773	8.1800	0.0	0.10
208.223	8.1978	0.1	0.23
208.677	8.2156	0.2	0.46
209.135	8.2336	0.3	0.84
209.595	8.2518	0.6	1.42
210.059	8.2701	0.9	2.28
210.527	8.2884	1.4	3.50
210.997	8.3070	2.0	5.18
211.471	8.3256	2.9	7.43
211.948	8.3444	4.1	10.37
212.428	8.3633	5.6	14.14
212.911	8.3823	7.4	18.90
213.397	8.4015	9.8	24.83
213.887	8.4207	12.6	32.12
214.379	8.4401	16.1	40.97
214.875	8.4596	20.3	51.60
214.927	8.4617	21.0	53.45
214.980	8.4638	22.3	56.55
215.032	8.4658	24.0	60.92
215.085	8.4679	26.2	66.55
215.137	8.4700	28.9	73.46
215.190	8.4720	32.2	81.67
215.242	8.4741	35.9	91.18
215.295	8.4762	40.2	102.03
215.347	8.4782	45.0	114.22
215.400	8.4803	50.3	127.79



REPORT ERRORS & CHANGES REMOVE ALL SHARP EDGES DIMENSIONS ARE IN MM. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES: X, ±0.0 Ra 6,3 µm < ±0.5 ,X ±0.5 ,XX ±0.80	Powertrain Engineers Inc W293 N3819 Round Hill Circle Pewaukee Wi., 53072			
	TITLE PINION, INTERMEDIATE			
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY.		SIZE B	FIRST USED ON	DWG NO. 251243
DRAWN CHECKED	PEI	DATE	SCALE: 0.250	WEIGHT: 99.593 kgs
			SHEET 2 OF 2	