Precision Gear Manufacturing Capabilities*

Description	Pitch Diameter Maximum		Pitch Diameter Minimum		Diametral Pitch Maximum	Diametral Pitch Minimum	Module Maximum	Module Minimum	Quality AGMA	DIN
Gear Hobbing & Shaping	in.	mm	in.	mm						
Spur Gears	48	1220	0.25	6	1.5	120	16.9	.21	Q11	7
Helicalgears	48	1220	0.25	6	1.5	120	16.9	.21	Q11	7
Internalgears	20	508	.5	12.7	3.1	120	8.0	.21	Q12	6
Worm Gears	18	450	1.0	25.4	5.0	32	5.08	.8	Q12	6
Worms	6	152	6.25	15.8	5.0	32	5.08	.8	Q12	6
External Gear Grinding										
Spur & Helical	55	1400	0.25	6.3	0.75	120	34	.21	Q15	2
Internal Gear Grinding										
Spur & Helical	42	1070	3	76.2	0.75	32	34	.8	Q15	2
Hirth Coupling Grinding	27	686								
Gear Inspection										
Lead	64	1600	.100	2.54	.75	32	34	.8	**	**
Involute	64	1600	.100	2.54	.75	32	34	.8	**	**
Pitch Error	64	1600	.100	2.54	.75	32	34	.8	**	**
Accum Pitch Error	64	1600	.100	2.54	.75	32	34	.8	**	**
Pitch Line Runnout	64	1600	.100	2.54	.75	32	34	.8	**	**
Topography	15	381	.100	2.54	.75	32	34	.8	**	**
TOTAL COMPOSITE ERROR	**30**	**762**	**.100**	**2.54**	**4.0**	**120**	**6.35**	**.21**	**	**

* Two metrology labs equipped with CNC M&M, Klingelnberg and Maag Gear Inspection Machines. Temperature, humidity and dust controlled, shock proof structure
All equipment calibrated per ISO-17025. Documentation/traceability to Mil-I-45208 and/or ISO 9001 specifications.

** Inspection equipment is capable of certifying to AGMA CLASS Q15 (DIN 2) tolerances and traceable to National Institute of Science and Technology (N.I.S.T.)