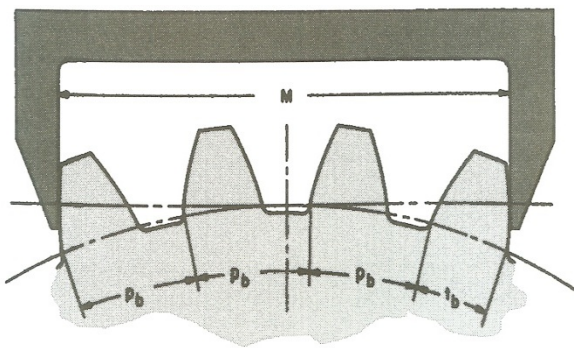


SPAN MEASUREMENTS 30° PA

Inspection of Tooth Thickness by Means of a Span Measurement.



The limitations of span measurement are:

- 1) Span measurement cannot be applied when a combination of helix angle and narrow face width prevent the caliper from spanning a sufficient number of teeth.
- 2) Readings are influenced by errors in base pitch, tooth profile, and lead. Readings would be erroneous if attempted on a portion of profile, which had been modified from true involute shape.

N	T	W	N	T	W
6	2	4.3604	29	6	16.3138
7	2	4.4069	30	6	16.3604
8	2	4.4534	31	6	16.4069
9	2	4.5000	32	6	16.4534
10	2	4.5465	33	6	16.5000
11	3	7.3138	34	6	16.5465
12	3	7.3604	35	7	19.3138
13	3	7.4069	36	7	19.3604
14	3	7.4534	37	7	19.4069
15	3	7.5000	38	7	19.4534
16	3	7.5465	39	7	19.5000
17	4	10.3138	40	7	19.5465
18	4	10.3604	41	8	22.3138
19	4	10.4069	42	8	22.3604
20	4	10.4534	43	8	22.4069
21	4	10.5000	44	8	22.4534
22	4	10.5464	45	8	22.5000
23	5	13.3168	46	9	25.2671
24	5	13.3604	47	9	25.3138
25	5	13.4069	48	9	25.3604
26	5	13.4534	49	9	25.4069
27	5	13.5000	50	9	25.4534
28	5	13.5464			