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**SPAN MEASUREMENTS 14-1/2° PA**

Divide "W" measurement by actual D.P. for measuring standard tooth thickness. If tooth thickness is above or below standard, multiply the difference from standard tooth width by cosine of the pressure angle to obtain in change in "W" dimension.

| N  | T | W        | N  | T | W       | N   | T | W       | N   | T  | W       |
|----|---|----------|----|---|---------|-----|---|---------|-----|----|---------|
| 10 | 2 | 4.6160   | 42 | 4 | 10.8708 | 74  | 7 | 20.1672 | 106 | 10 | 29.4635 |
| 11 | 2 | 4.6213   | 43 | 4 | 10.8762 | 75  | 7 | 20.1725 | 107 | 10 | 29.4689 |
| 12 | 2 |          | 44 | 4 | 10.8815 | 76  | 7 | 20.1779 | 108 | 10 | 29.4743 |
| 13 | 2 | 4.6321   | 45 | 5 | 13.9284 | 77  | 7 | 20.1833 | 109 | 10 | 29.4796 |
| 14 | 2 | 4.6374   | 46 | 5 | 13.9338 | 78  | 7 | 20.1886 | 110 | 10 | 29.4850 |
| 15 | 2 | 4.6428   | 47 | 5 | 13.9392 | 79  | 7 | 20.1940 | 111 | 10 | 29.4904 |
| 16 | 2 | 4.6482   | 48 | 5 | 13.9445 | 80  | 7 | 20.1994 | 112 | 10 | 29.4957 |
| 17 | 2 | 4.6536   | 49 | 5 | 13.9499 | 81  | 8 | 23.2463 | 113 | 10 | 29.5011 |
| 18 | 2 | 4.6589   | 50 | 5 | 13.9553 | 82  | 8 | 23.2516 | 114 | 10 | 29.5065 |
| 19 | 2 | 4.6643   | 51 | 5 | 13.9606 | 83  | 8 | 23.2570 | 115 | 10 | 29.5118 |
| 20 | 2 | 4.6697   | 52 | 5 | 13.9660 | 84  | 8 | 23.2624 | 116 | 10 | 29.5172 |
| 21 | 3 | 7.7166   | 53 | 5 | 13.9714 | 85  | 8 | 23.2677 | 117 | 10 | 29.5226 |
| 22 | 3 | 7.7219   | 54 | 5 | 13.9768 | 86  | 8 | 23.2731 | 118 | 11 | 32.5695 |
| 23 | 3 | 7.7273   | 55 | 5 | 13.9821 | 87  | 8 | 23.2785 | 119 | 11 | 32.5748 |
| 24 | 3 | 7.7327   | 56 | 5 | 13.9875 | 88  | 8 | 23.2839 | 120 | 11 | 32.5802 |
| 25 | 3 | 7.7380   | 57 | 6 | 17.0344 | 89  | 8 | 23.2892 |     |    |         |
| 26 | 3 | 7.7334   | 58 | 6 | 17.0398 | 90  | 8 | 23.2946 |     |    |         |
| 27 | 3 | 7.7488   | 59 | 6 | 17.0451 | 91  | 8 | 23.3000 |     |    |         |
| 28 | 3 | 7.7541   | 60 | 6 | 17.0505 | 92  | 8 | 23.3053 |     |    |         |
| 29 | 3 | 7.7595   | 61 | 6 | 17.0559 | 93  | 8 | 23.3107 |     |    |         |
| 30 | 3 | 7.7649   | 62 | 6 | 17.0612 | 94  | 9 | 26.3576 |     |    |         |
| 31 | 3 | 7.7702   | 63 | 6 | 17.0666 | 95  | 9 | 26.3630 |     |    |         |
| 32 | 3 | 7.7756   | 64 | 6 | 17.0720 | 96  | 9 | 26.3683 |     |    |         |
| 33 | 4 | 10.82250 | 65 | 6 | 17.0773 | 97  | 9 | 26.3737 |     |    |         |
| 34 | 4 | 10.8279  | 66 | 6 | 17.0827 | 98  | 9 | 26.3791 |     |    |         |
| 35 | 4 | 10.8332  | 67 | 6 | 17.0881 | 99  | 9 | 26.3844 |     |    |         |
| 36 | 4 | 10.8386  | 68 | 6 | 17.0934 | 100 | 9 | 26.3898 |     |    |         |
| 37 | 4 | 10.8440  | 69 | 4 | 20.1403 | 101 | 9 | 26.3952 |     |    |         |
| 38 | 4 | 10.8493  | 70 | 7 | 20.1457 | 102 | 9 | 26.4005 |     |    |         |
| 39 | 4 | 10.8547  | 71 | 7 | 20.1511 | 103 | 9 | 26.4059 |     |    |         |
| 40 | 4 | 10.8601  | 72 | 7 | 20.1564 | 104 | 9 | 26.4113 |     |    |         |
| 41 | 4 | 10.8654  | 73 | 7 | 20.1618 | 105 | 9 | 26.4166 |     |    |         |