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# PIÑONES NORMA ASA



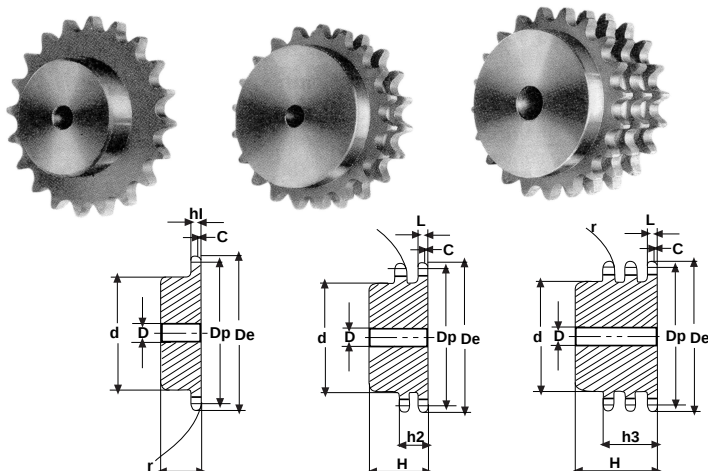
**DUCASSE**  
**C O M E R C I A L**

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

## **3/8" x 3/16" ASA 35 - 1-2-3 9,525 x 4,77 mm**

|                |               |
|----------------|---------------|
| <b>CADENA:</b> | <b>ASA 35</b> |
| Paso           | <b>9,525</b>  |
| Ancho interno  | <b>4.77</b>   |
| Rodillo ø      | <b>5.08</b>   |

| PIÑONES                     |                | ASA 35 |
|-----------------------------|----------------|--------|
| Radio diente r              | r              | 10     |
| Ancho radio C               | C              | 1,2    |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 4.4    |
| Ancho diente L              | L              | 4.3    |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 14.4   |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 24.5   |
| Altura total H              | H              | -      |



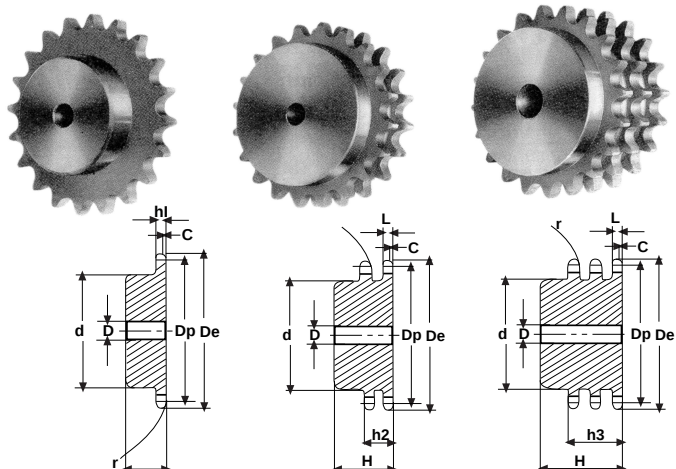
| Z  | De    | Dp    | PS |    |    | PD |    |    |
|----|-------|-------|----|----|----|----|----|----|
|    |       |       | d  | D  | H  | d  | D  | H  |
| 10 | 35.70 | 30.82 | 20 | 8  | 22 |    |    |    |
| 11 | 38.69 | 33.80 | 22 | 8  | 25 |    |    |    |
| 12 | 41.68 | 36.80 | 25 | 8  | 25 |    |    |    |
| 13 | 44.68 | 39.80 | 28 | 10 | 25 | 28 | 10 | 25 |
| 14 | 47.68 | 42.80 | 31 | 10 | 25 | 31 | 10 | 25 |
| 15 | 50.69 | 45.81 | 34 | 10 | 25 | 34 | 10 | 25 |
| 16 | 53.70 | 48.82 | 38 | 10 | 28 | 37 | 12 | 30 |
| 17 | 56.72 | 51.83 | 38 | 10 | 28 | 40 | 12 | 30 |
| 18 | 59.73 | 54.85 | 38 | 10 | 28 | 43 | 12 | 30 |
| 19 | 62.75 | 57.87 | 46 | 10 | 28 | 46 | 12 | 30 |
| 20 | 65.77 | 60.89 | 46 | 10 | 28 | 49 | 12 | 30 |
| 21 | 68.79 | 63.91 | 46 | 10 | 28 | 52 | 16 | 30 |
| 22 | 71.81 | 66.93 | 52 | 12 | 28 | 55 | 16 | 30 |
| 23 | 74.83 | 69.95 | 52 | 12 | 28 | 58 | 16 | 30 |
| 24 | 77.85 | 72.97 | 52 | 12 | 28 | 61 | 16 | 30 |
| 25 | 80.88 | 76.00 | 58 | 12 | 28 | 64 | 16 | 30 |
| 26 | 83.90 | 79.02 | 58 | 12 | 28 | 67 | 16 | 30 |
| 27 | 86.93 | 82.04 | 58 | 12 | 28 | 70 | 16 | 30 |
| 28 | 89.95 | 85.07 | 60 | 12 | 28 | 73 | 16 | 30 |
| 30 | 96.00 | 91.12 | 60 | 12 | 28 |    |    |    |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

**1/2" x 5/16" ASA 40 - 1-2-3 12,7 x 7,94 mm**

|                |               |
|----------------|---------------|
| <b>CADENA:</b> | <b>ASA 40</b> |
| Paso           | 12,7          |
| Ancho interno  | 7,94          |
| Rodillo Ø      | 7,94          |

| PIÑONES                     |                | ASA 40 |
|-----------------------------|----------------|--------|
| Radio diente r              | r              | 13,5   |
| Ancho radio C               | C              | 1,6    |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 7,4    |
| Ancho diente L              | L              | 7,2    |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 21,6   |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 36     |
| Altura total H              | H              | -      |



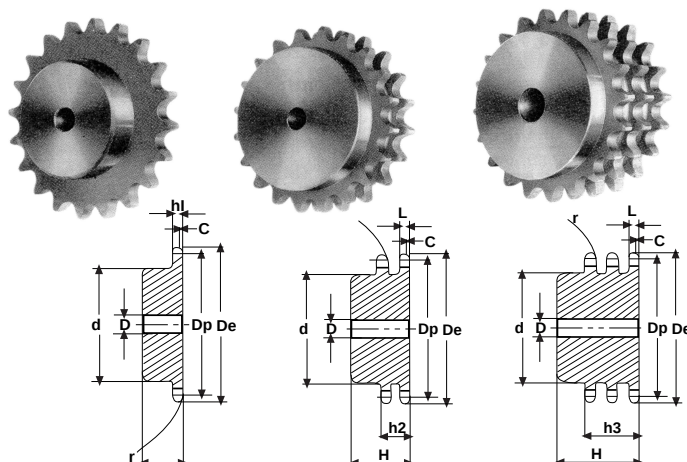
| Z  | De     | Dp     | PS |    |    | PD  |    |    | PT |    |    |
|----|--------|--------|----|----|----|-----|----|----|----|----|----|
|    |        |        | d  | D  | H  | d   | D  | H  | d  | D  | H  |
| 10 | 47.66  | 41.10  | 26 | 10 | 25 |     |    |    |    |    |    |
| 11 | 51.64  | 45.08  | 29 | 10 | 25 |     |    |    |    |    |    |
| 12 | 55.63  | 49.07  | 35 | 10 | 28 |     |    |    | 35 | 14 | 50 |
| 13 | 59.63  | 53.07  | 35 | 10 | 28 | 38  | 12 | 35 | 38 | 14 | 50 |
| 14 | 63.63  | 57.07  | 35 | 10 | 28 | 42  | 12 | 35 | 42 | 14 | 50 |
| 15 | 67.64  | 61.08  | 48 | 10 | 28 | 46  | 12 | 35 | 46 | 14 | 50 |
| 16 | 71.66  | 65.10  | 48 | 10 | 28 | 50  | 14 | 35 | 50 | 16 | 50 |
| 17 | 75.68  | 69.12  | 48 | 10 | 28 | 54  | 14 | 35 | 54 | 16 | 50 |
| 18 | 79.70  | 73.14  | 60 | 12 | 28 | 58  | 14 | 35 | 58 | 16 | 50 |
| 19 | 83.72  | 77.16  | 60 | 12 | 28 | 62  | 14 | 35 | 62 | 16 | 50 |
| 20 | 87.74  | 81.18  | 60 | 12 | 28 | 66  | 14 | 35 | 66 | 16 | 50 |
| 21 | 91.77  | 85.21  | 65 | 12 | 28 | 70  | 16 | 40 | 70 | 20 | 55 |
| 22 | 95.80  | 89.24  | 65 | 12 | 28 | 70  | 16 | 40 | 70 | 20 | 55 |
| 23 | 99.83  | 93.27  | 65 | 12 | 28 | 70  | 16 | 40 | 70 | 20 | 55 |
| 24 | 103.86 | 97.30  | 70 | 14 | 28 | 75  | 16 | 40 | 75 | 20 | 55 |
| 25 | 107.89 | 101.33 | 70 | 14 | 28 | 80  | 16 | 40 | 80 | 20 | 55 |
| 26 | 111.92 | 105.36 | 70 | 14 | 28 | 85  | 20 | 40 | 85 | 20 | 55 |
| 27 | 115.96 | 109.40 | 70 | 16 | 30 | 85  | 20 | 40 | 85 | 20 | 55 |
| 28 | 119.99 | 113.43 | 70 | 16 | 30 | 90  | 20 | 40 | 90 | 20 | 55 |
| 30 | 128.06 | 121.50 | 80 | 16 | 30 | 100 | 20 | 40 |    |    |    |
| 32 | 136.13 | 129.57 | 80 | 16 | 30 |     |    |    |    |    |    |
| 35 | 148.24 | 141.68 | 90 | 16 | 30 |     |    |    |    |    |    |
| 36 | 152.28 | 145.72 | 90 | 16 | 30 |     |    |    |    |    |    |
| 38 | 160.35 | 153.79 | 90 | 16 | 35 |     |    |    |    |    |    |
| 40 | 168.43 | 161.87 | 90 | 16 | 35 |     |    |    |    |    |    |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

**5/8" x 3/8" ASA 50 - 1-2-3 15,875 x 9,52 mm**

|                |               |
|----------------|---------------|
| <b>CADENA:</b> | <b>ASA 50</b> |
| Paso           | <b>15,875</b> |
| Ancho interno  | <b>9,52</b>   |
| Rodillo Ø      | <b>10,16</b>  |

| PIÑONES                     |                | ASA 50 |
|-----------------------------|----------------|--------|
| Radio diente r              | r              | 17     |
| Ancho radio C               | C              | 2      |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 9      |
| Ancho diente L              | L              | 8,8    |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 26,9   |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 45     |
| Altura total H              | H              | -      |



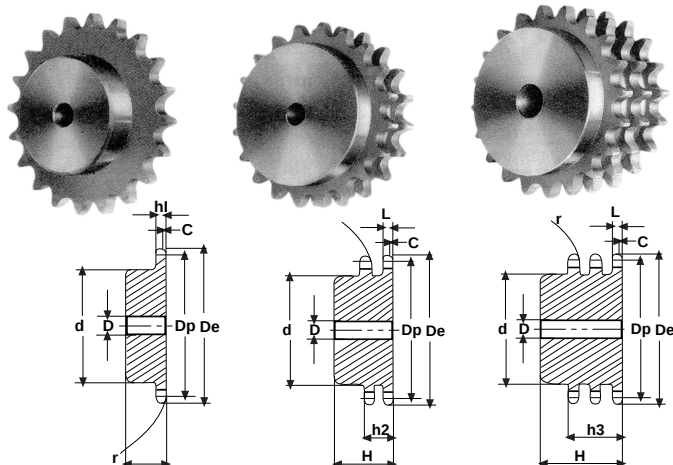
| Z  | De    | Dp     | PS  |    |    | PD  |    |    | PT  |    |    |
|----|-------|--------|-----|----|----|-----|----|----|-----|----|----|
|    |       |        | d   | D  | H  | d   | D  | H  | d   | D  | H  |
| 8  | 47,0  | 41,48  | 25  | 10 | 25 |     |    |    |     |    |    |
| 9  | 52,6  | 46,42  | 30  | 10 | 25 |     |    |    |     |    |    |
| 10 | 57,5  | 51,37  | 35  | 10 | 25 |     |    |    |     |    |    |
| 11 | 63,0  | 56,34  | 37  | 12 | 30 |     |    |    |     |    |    |
| 12 | 68,0  | 61,34  | 42  | 12 | 30 |     |    |    | 44  | 16 | 55 |
| 13 | 73,0  | 66,32  | 47  | 12 | 30 | 49  | 14 | 40 | 49  | 16 | 55 |
| 14 | 78,0  | 71,34  | 52  | 12 | 30 | 54  | 14 | 40 | 54  | 16 | 55 |
| 15 | 83,0  | 76,36  | 57  | 12 | 30 | 59  | 14 | 40 | 59  | 16 | 55 |
| 16 | 88,0  | 81,37  | 60  | 12 | 30 | 64  | 16 | 45 | 64  | 16 | 60 |
| 17 | 93,0  | 86,39  | 60  | 12 | 30 | 69  | 16 | 45 | 69  | 16 | 60 |
| 18 | 98,3  | 91,42  | 70  | 14 | 30 | 74  | 16 | 45 | 74  | 16 | 60 |
| 19 | 103,3 | 96,45  | 70  | 14 | 30 | 79  | 16 | 45 | 79  | 16 | 60 |
| 20 | 108,4 | 101,49 | 75  | 14 | 30 | 84  | 16 | 45 | 84  | 16 | 60 |
| 21 | 113,4 | 106,52 | 75  | 16 | 30 | 85  | 16 | 45 | 85  | 20 | 60 |
| 22 | 118,0 | 111,55 | 80  | 16 | 30 | 90  | 16 | 45 | 90  | 20 | 60 |
| 23 | 123,4 | 116,58 | 80  | 16 | 30 | 95  | 16 | 45 | 95  | 20 | 60 |
| 24 | 128,3 | 121,62 | 80  | 16 | 30 | 100 | 16 | 45 | 100 | 20 | 60 |
| 25 | 134,4 | 126,66 | 80  | 16 | 30 | 105 | 16 | 45 | 105 | 20 | 60 |
| 26 | 139,0 | 131,70 | 85  | 20 | 35 |     |    |    | 110 | 20 | 60 |
| 27 | 144,0 | 136,75 | 85  | 20 | 35 |     |    |    | 110 | 20 | 60 |
| 28 | 148,7 | 141,78 | 90  | 20 | 35 |     |    |    | 115 | 20 | 60 |
| 29 | 153,8 | 146,83 | 90  | 20 | 35 |     |    |    |     |    |    |
| 30 | 158,8 | 151,87 | 90  | 20 | 35 |     |    |    |     |    |    |
| 31 | 163,9 | 156,92 | 95  | 20 | 35 |     |    |    |     |    |    |
| 32 | 168,9 | 161,95 | 95  | 20 | 35 |     |    |    |     |    |    |
| 33 | 174,5 | 167,00 | 95  | 20 | 35 |     |    |    |     |    |    |
| 34 | 179,0 | 172,05 | 95  | 20 | 35 |     |    |    |     |    |    |
| 35 | 184,1 | 177,10 | 95  | 20 | 35 |     |    |    |     |    |    |
| 36 | 189,1 | 182,15 | 100 | 20 | 35 |     |    |    |     |    |    |
| 37 | 194,2 | 187,20 | 100 | 20 | 35 |     |    |    |     |    |    |
| 38 | 199,2 | 192,24 | 100 | 20 | 35 |     |    |    |     |    |    |
| 39 | 204,2 | 197,29 | 100 | 20 | 35 |     |    |    |     |    |    |
| 40 | 209,3 | 202,34 | 100 | 20 | 35 |     |    |    |     |    |    |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

**3/4" x 1/2" ASA 60 - 1-2-3 19,05 x 12,7 mm**

|                |               |
|----------------|---------------|
| <b>CADENA:</b> | <b>ASA 60</b> |
| Paso           | <b>19,05</b>  |
| Ancho interno  | <b>12,7</b>   |
| Rodillo Ø      | <b>11,91</b>  |

| PIÑONES                     |                | ASA 60 |
|-----------------------------|----------------|--------|
| Radio diente r              | r              | 20     |
| Ancho radio C               | C              | 2,4    |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 12     |
| Ancho diente L              | L              | 11,8   |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 34,6   |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 57,4   |
| Altura total H              | H              | -      |



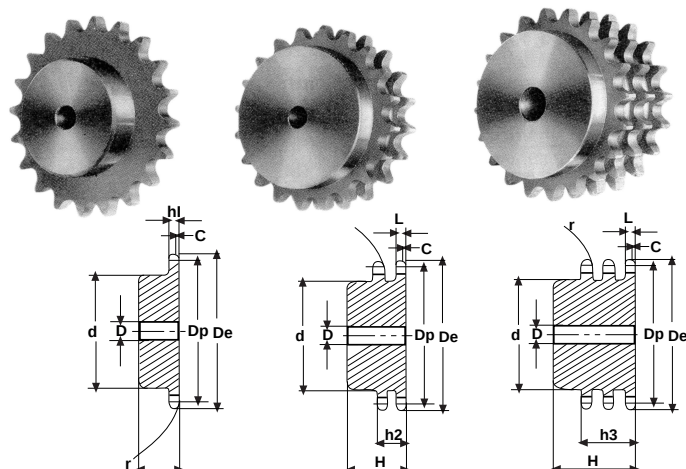
| Z  | De     | Dp     | PS |    |    | PD  |    |    | PT  |    |    |
|----|--------|--------|----|----|----|-----|----|----|-----|----|----|
|    |        |        | d  | D  | H  | d   | D  | H  | d   | D  | H  |
| 10 | 71,54  | 61,64  | 42 | 12 | 30 | 42  | 12 | 45 |     |    |    |
| 11 | 77,51  | 67,61  | 45 | 12 | 30 | 47  | 16 | 50 |     |    |    |
| 12 | 83,49  | 73,61  | 45 | 12 | 30 | 53  | 16 | 50 | 53  | 20 | 70 |
| 13 | 89,49  | 79,59  | 60 | 14 | 35 | 59  | 16 | 50 | 59  | 20 | 70 |
| 14 | 95,50  | 85,61  | 60 | 14 | 35 | 65  | 16 | 50 | 65  | 20 | 70 |
| 15 | 101,52 | 91,63  | 60 | 14 | 35 | 71  | 16 | 50 | 71  | 20 | 70 |
| 16 | 107,54 | 97,65  | 75 | 16 | 35 | 77  | 20 | 50 | 77  | 20 | 70 |
| 17 | 113,56 | 103,67 | 75 | 16 | 35 | 83  | 20 | 50 | 83  | 20 | 70 |
| 18 | 119,59 | 109,71 | 75 | 16 | 35 | 89  | 20 | 50 | 89  | 20 | 70 |
| 19 | 125,63 | 115,75 | 80 | 16 | 35 | 95  | 20 | 50 | 95  | 20 | 70 |
| 20 | 131,67 | 121,78 | 80 | 16 | 35 | 100 | 20 | 50 | 100 | 20 | 70 |
| 21 | 137,71 | 127,82 | 80 | 16 | 35 | 100 | 20 | 50 | 100 | 20 | 70 |
| 22 | 143,75 | 133,86 | 90 | 20 | 40 | 100 | 20 | 50 | 100 | 20 | 70 |
| 23 | 149,79 | 139,90 | 90 | 20 | 40 | 110 | 20 | 50 | 110 | 20 | 70 |
| 24 | 155,84 | 145,94 | 90 | 20 | 40 | 110 | 20 | 50 | 110 | 20 | 70 |
| 25 | 161,88 | 152,00 | 90 | 20 | 40 | 120 | 20 | 50 | 120 | 20 | 70 |
| 26 | 167,93 | 158,04 | 90 | 20 | 40 | 120 | 20 | 50 |     |    |    |
| 27 | 173,98 | 164,09 | 90 | 20 | 40 | 120 | 20 | 50 |     |    |    |
| 28 | 180,03 | 170,13 | 95 | 20 | 40 | 120 | 20 | 50 |     |    |    |
| 30 | 192,14 | 182,25 | 95 | 20 | 40 | 120 | 20 | 50 |     |    |    |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

**1" x 5/8" ASA 80 - 1-2-3 25,4 x 15,88 mm**

|                       |               |
|-----------------------|---------------|
| <b>CADENA:</b>        | <b>ASA 80</b> |
| Paso                  | <b>25,4</b>   |
| Ancho interno         | <b>15,88</b>  |
| Rodillo $\varnothing$ | <b>15,88</b>  |

| PIÑONES                     |                | ASA 80 |
|-----------------------------|----------------|--------|
| Radio diente r              | r              | 27     |
| Ancho radio C               | C              | 3,2    |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 15     |
| Ancho diente L              | L              | 14,7   |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 44,0   |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 73,3   |
| Altura total H              | H              | -      |



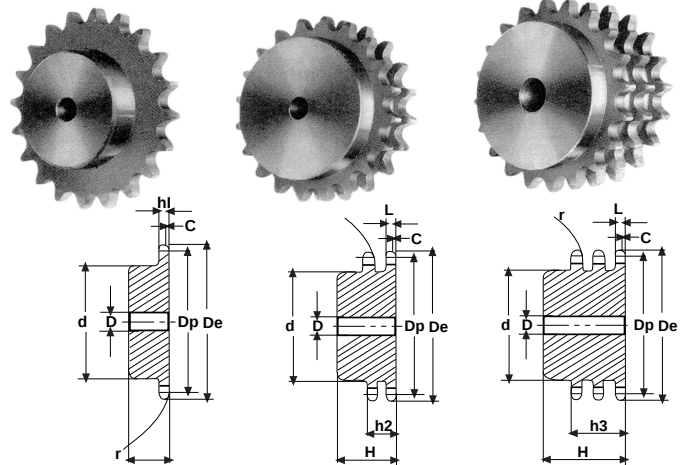
| Z  | De     | Dp     | PS  |    |    | PD  |    |    | PT  |    |     |
|----|--------|--------|-----|----|----|-----|----|----|-----|----|-----|
|    |        |        | d   | D  | H  | d   | D  | H  | d   | D  | H   |
| 8  | 79,49  | 66,37  | 42  | 16 | 35 |     |    |    |     |    |     |
| 9  | 87,38  | 74,27  | 50  | 16 | 35 |     |    |    |     |    |     |
| 10 | 95,32  | 82,19  | 55  | 16 | 35 |     |    |    |     |    |     |
| 11 | 103,28 | 90,14  | 61  | 16 | 40 |     |    |    |     |    |     |
| 12 | 111,26 | 98,14  | 69  | 16 | 40 | 72  | 20 | 70 | 72  | 25 | 100 |
| 13 | 119,26 | 106,12 | 78  | 16 | 40 | 80  | 20 | 70 | 80  | 25 | 100 |
| 14 | 127,27 | 114,15 | 84  | 16 | 40 | 88  | 20 | 70 | 88  | 25 | 100 |
| 15 | 135,29 | 122,17 | 92  | 16 | 40 | 96  | 20 | 70 | 96  | 25 | 100 |
| 16 | 143,32 | 130,20 | 100 | 20 | 45 | 104 | 20 | 70 | 104 | 30 | 100 |
| 17 | 151,35 | 138,22 | 100 | 20 | 45 | 112 | 20 | 70 | 112 | 30 | 100 |
| 18 | 159,39 | 146,28 | 100 | 20 | 45 | 120 | 20 | 70 | 120 | 30 | 100 |
| 19 | 167,44 | 154,33 | 100 | 20 | 45 | 128 | 20 | 70 | 128 | 30 | 100 |
| 20 | 175,49 | 162,38 | 100 | 20 | 45 | 130 | 20 | 70 | 130 | 30 | 100 |
| 21 | 183,54 | 170,43 | 110 | 20 | 50 | 130 | 25 | 70 |     |    |     |
| 22 | 191,60 | 178,48 | 110 | 20 | 50 |     |    |    |     |    |     |
| 23 | 199,66 | 186,53 | 110 | 20 | 50 |     |    |    |     |    |     |
| 24 | 207,72 | 194,59 | 110 | 20 | 50 |     |    |    |     |    |     |
| 25 | 215,78 | 202,66 | 110 | 20 | 50 |     |    |    |     |    |     |
| 26 | 223,84 | 210,72 | 120 | 20 | 50 |     |    |    |     |    |     |
| 27 | 231,91 | 218,79 | 120 | 20 | 50 |     |    |    |     |    |     |
| 28 | 239,98 | 226,85 | 120 | 20 | 50 |     |    |    |     |    |     |
| 29 | 248,05 | 234,92 | 120 | 20 | 50 |     |    |    |     |    |     |
| 30 | 256,12 | 243,00 | 120 | 20 | 50 |     |    |    |     |    |     |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

## 1"1/4 x 3/4" ASA 100 - 1-2-3 31,75 x 19,05 mm

|                |                |
|----------------|----------------|
| <b>CADENA:</b> | <b>ASA 100</b> |
| Paso           | 31,75          |
| Ancho interno  | 19,05          |
| Rodillo ø      | 19,05          |

| PIÑONES                     |                | ASA 100 |
|-----------------------------|----------------|---------|
| Radio diente r              | r              | 33,5    |
| Ancho radio C               | C              | 4       |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> | 18      |
| Ancho diente L              | L              | 17,7    |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> | 53,5    |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> | 89,2    |
| Altura total H              | H              | -       |



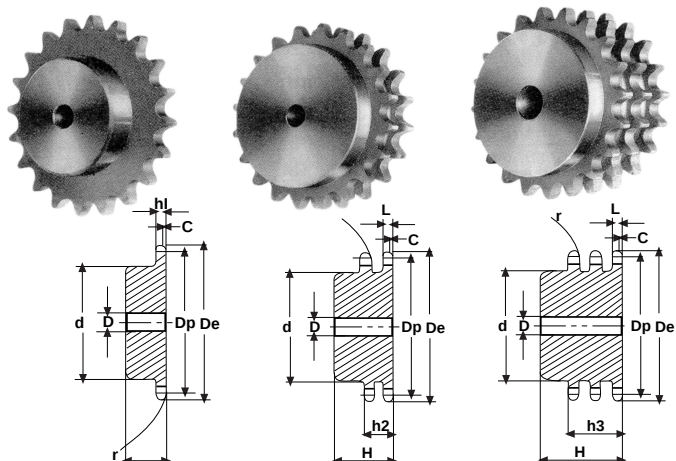
| Z  | De    | Dp     | PS  |    |    | PD  |    |    | PT |   |   |
|----|-------|--------|-----|----|----|-----|----|----|----|---|---|
|    |       |        | d   | D  | H  | d   | D  | H  | d  | D | H |
| 8  | 98,1  | 82,96  | 53  | 20 | 40 |     |    |    |    |   |   |
| 9  | 108,0 | 92,84  | 63  | 20 | 40 |     |    |    |    |   |   |
| 10 | 117,9 | 102,74 | 70  | 20 | 40 |     |    |    |    |   |   |
| 11 | 127,8 | 112,68 | 77  | 20 | 45 |     |    |    |    |   |   |
| 12 | 137,8 | 122,68 | 88  | 20 | 45 | 90  | 20 | 80 |    |   |   |
| 13 | 147,8 | 132,65 | 98  | 20 | 45 | 100 | 20 | 80 |    |   |   |
| 14 | 157,8 | 142,68 | 108 | 20 | 45 | 110 | 20 | 80 |    |   |   |
| 15 | 167,9 | 152,72 | 118 | 20 | 45 | 120 | 20 | 80 |    |   |   |
| 16 | 177,9 | 162,75 | 120 | 25 | 50 | 120 | 25 | 80 |    |   |   |
| 17 | 187,9 | 172,78 | 120 | 25 | 50 | 120 | 25 | 80 |    |   |   |
| 18 | 198,0 | 182,85 | 120 | 25 | 50 |     |    |    |    |   |   |
| 19 | 208,1 | 192,91 | 120 | 25 | 50 |     |    |    |    |   |   |
| 20 | 218,1 | 202,98 | 120 | 25 | 50 |     |    |    |    |   |   |
| 21 | 228,2 | 213,04 | 140 | 25 | 55 |     |    |    |    |   |   |
| 22 | 238,3 | 223,11 | 140 | 25 | 55 |     |    |    |    |   |   |
| 23 | 248,3 | 233,17 | 140 | 25 | 55 |     |    |    |    |   |   |
| 24 | 258,4 | 243,23 | 140 | 25 | 55 |     |    |    |    |   |   |
| 25 | 268,5 | 253,33 | 140 | 25 | 55 |     |    |    |    |   |   |

Piñones para cadena simple, doble y triple de rodillos según las normas: DIN 8188 - ISO/R 606 - ANSI B 29,1

## 1"1/2 x 1" ASA 120 - 1-2-3 38,1 x 25,4 mm

|                       |                |
|-----------------------|----------------|
| <b>CADENA:</b>        | <b>ASA 120</b> |
| Paso                  | <b>38,1</b>    |
| Ancho interno         | <b>25,4</b>    |
| Rodillo $\varnothing$ | <b>22,22</b>   |

|                             |                             |
|-----------------------------|-----------------------------|
| <b>PIÑONES</b>              | <b>ASA 120</b>              |
| Radio diente r              | r <b>40,5</b>               |
| Ancho radio C               | C <b>4,8</b>                |
| Ancho diente h <sub>1</sub> | h <sub>1</sub> <b>24,1</b>  |
| Ancho diente L              | L <b>23,6</b>               |
| Ancho diente h <sub>2</sub> | h <sub>2</sub> <b>69</b>    |
| Ancho diente h <sub>3</sub> | h <sub>3</sub> <b>114,5</b> |
| Altura total H              | H <b>-</b>                  |



| Z  | De     | Dp     | PS  |    |    | PD  |    |     |
|----|--------|--------|-----|----|----|-----|----|-----|
|    |        |        | d   | D  | H  | d   | D  | H   |
| 8  | 119,04 | 99,55  | 58  | 20 | 45 |     |    |     |
| 9  | 130,88 | 111,40 | 70  | 20 | 45 |     |    |     |
| 10 | 142,77 | 123,29 | 80  | 20 | 45 |     |    |     |
| 11 | 154,71 | 135,21 | 90  | 25 | 50 |     |    |     |
| 12 | 166,69 | 147,22 | 102 | 25 | 50 | 102 | 25 | 100 |
| 13 | 178,68 | 159,18 | 114 | 25 | 50 | 114 | 25 | 100 |
| 14 | 190,70 | 171,22 | 128 | 25 | 50 | 128 | 25 | 100 |
| 15 | 202,73 | 183,26 | 140 | 25 | 50 | 140 | 25 | 100 |