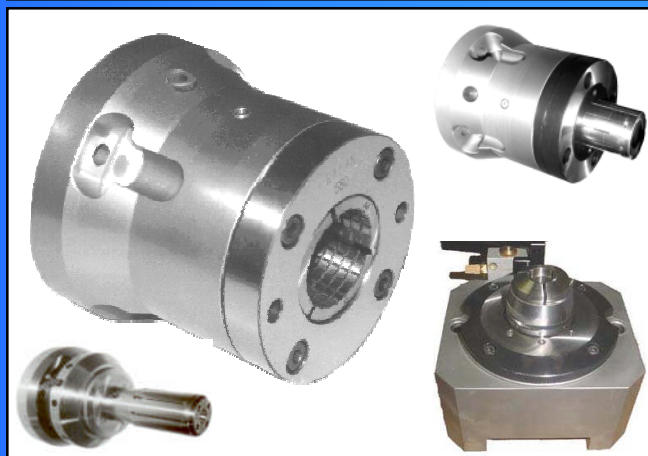


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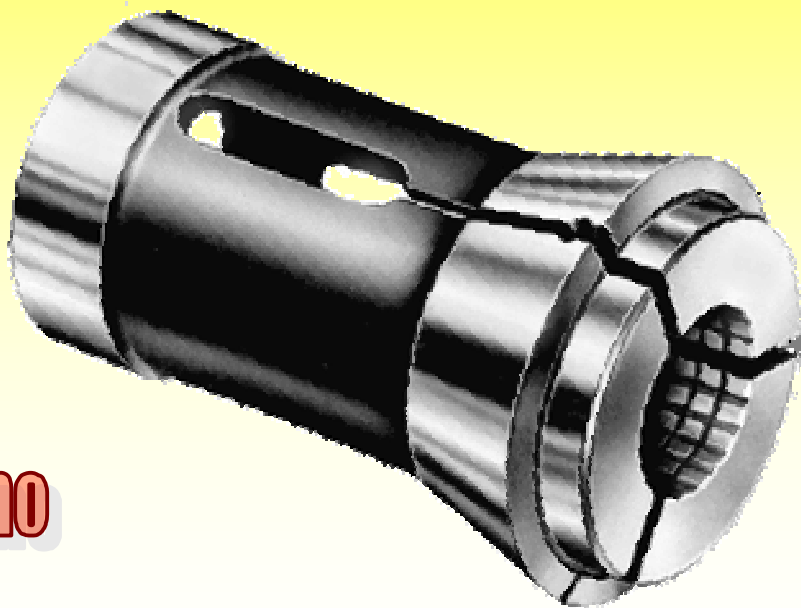
Cabezal

Avance

Contrapunta

Con rosca

Doble cono



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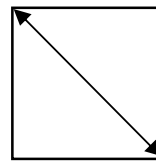
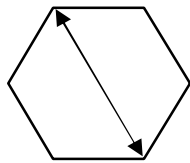
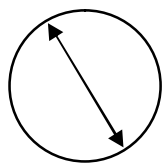
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# TABLA DE PESOS DE HIERROS REDONDOS, HEXAGONALES Y CUADRADOS Y DIAMETROS DE LOS CIRCULOS CIRCUNSCRITOS



| Ø  | Peso Kg/m | Hexag. | Peso Kg/m | Cuad. | Peso Kg/m | Ø  | Peso Kg/m | Hexag. | Peso Kg/m | Cuad. | Peso Kg/m |
|----|-----------|--------|-----------|-------|-----------|----|-----------|--------|-----------|-------|-----------|
| 3  | 0,1       | 3,5    | 0,1       | 4,2   | 0,1       | 35 | 7,5       | 40,4   | 10,0      | 49,5  | 15,0      |
| 4  | 0,1       | 4,6    | 0,1       | 5,7   | 0,2       | 36 | 7,9       | 41,6   | 10,6      | 50,9  | 15,9      |
| 5  | 0,2       | 5,8    | 0,2       | 7,1   | 0,3       | 37 | 8,4       | 42,7   | 11,2      | 52,3  | 16,8      |
| 6  | 0,2       | 6,9    | 0,3       | 8,5   | 0,4       | 38 | 8,8       | 43,9   | 11,8      | 53,7  | 17,7      |
| 7  | 0,3       | 8,1    | 0,4       | 9,9   | 0,6       | 39 | 9,3       | 45,0   | 12,4      | 55,2  | 18,6      |
| 8  | 0,4       | 9,2    | 0,5       | 11,3  | 0,8       | 40 | 9,8       | 46,2   | 13,1      | 56,6  | 19,6      |
| 9  | 0,5       | 10,4   | 0,7       | 12,7  | 1,0       | 41 | 10,3      | 47,3   | 13,7      | 58,0  | 20,6      |
| 10 | 0,6       | 11,5   | 0,8       | 14,1  | 1,2       | 42 | 10,8      | 48,5   | 14,4      | 59,4  | 21,6      |
| 11 | 0,7       | 12,7   | 1,0       | 15,6  | 1,5       | 43 | 11,3      | 49,7   | 15,1      | 60,8  | 22,7      |
| 12 | 0,9       | 13,9   | 1,2       | 17,0  | 1,8       | 44 | 11,9      | 52,8   | 15,8      | 62,2  | 23,7      |
| 13 | 1,0       | 15,0   | 1,4       | 18,4  | 2,1       | 45 | 12,4      | 52,0   | 16,5      | 63,6  | 24,8      |
| 14 | 1,2       | 16,2   | 1,6       | 19,8  | 2,4       | 46 | 13,0      | 53,1   | 17,3      | 65,1  | 25,9      |
| 15 | 1,4       | 17,3   | 1,8       | 21,2  | 2,8       | 47 | 13,5      | 54,3   | 18,0      | 66,5  | 27,1      |
| 16 | 1,6       | 18,5   | 2,1       | 22,6  | 3,1       | 48 | 14,1      | 55,4   | 18,8      | 67,9  | 28,2      |
| 17 | 1,8       | 19,6   | 2,4       | 24,0  | 3,5       | 49 | 14,7      | 56,6   | 19,6      | 69,3  | 29,4      |
| 18 | 2,0       | 20,8   | 2,6       | 25,5  | 4,0       | 50 | 15,3      | 57,7   | 20,4      | 70,7  | 30,6      |
| 19 | 2,2       | 21,9   | 2,9       | 26,9  | 4,4       | 51 | 15,9      | 58,9   | 21,2      | 72,1  | 31,9      |
| 20 | 2,5       | 23,1   | 3,3       | 28,3  | 4,9       | 52 | 16,6      | 60,0   | 22,1      | 73,5  | 33,1      |
| 21 | 2,7       | 24,2   | 3,6       | 29,7  | 5,4       | 53 | 17,2      | 61,2   | 22,9      | 75,0  | 34,4      |
| 22 | 3,0       | 25,4   | 4,0       | 31,1  | 5,9       | 54 | 17,9      | 62,4   | 23,8      | 76,4  | 35,7      |
| 23 | 3,2       | 26,6   | 4,3       | 32,5  | 6,5       | 55 | 18,5      | 63,5   | 24,7      | 77,8  | 37,1      |
| 24 | 3,5       | 27,7   | 4,7       | 33,9  | 7,1       | 56 | 19,2      | 64,7   | 25,6      | 79,2  | 38,4      |
| 25 | 3,8       | 28,9   | 5,1       | 35,4  | 7,7       | 57 | 19,9      | 65,8   | 26,5      | 80,6  | 39,8      |
| 26 | 4,1       | 30,0   | 5,5       | 36,8  | 8,3       | 58 | 20,6      | 67,0   | 27,5      | 82,0  | 41,2      |
| 27 | 4,5       | 31,2   | 6,0       | 38,2  | 8,9       | 59 | 21,3      | 68,1   | 28,4      | 83,4  | 42,7      |
| 28 | 4,8       | 32,3   | 6,4       | 39,6  | 9,6       | 60 | 22,1      | 69,3   | 29,4      | 84,9  | 44,1      |
| 29 | 5,2       | 33,5   | 6,9       | 41,0  | 10,3      | 61 | 22,8      | 70,4   | 30,4      | 86,3  | 45,6      |
| 30 | 5,5       | 34,6   | 7,4       | 42,4  | 11,0      | 62 | 23,5      | 71,6   | 31,4      | 87,7  | 47,1      |
| 31 | 5,9       | 35,8   | 7,9       | 43,8  | 11,8      | 63 | 24,3      | 72,7   | 32,4      | 89,1  | 48,6      |
| 32 | 6,3       | 37,0   | 8,4       | 45,3  | 12,5      | 64 | 25,1      | 73,9   | 33,5      | 90,5  | 50,2      |
| 33 | 6,7       | 38,1   | 8,9       | 46,7  | 13,3      | 65 | 25,9      | 75,1   | 34,5      | 91,9  | 51,8      |
| 34 | 7,1       | 39,3   | 9,4       | 48,1  | 14,2      | 66 | 26,7      | 76,2   | 35,6      | 93,3  | 53,4      |

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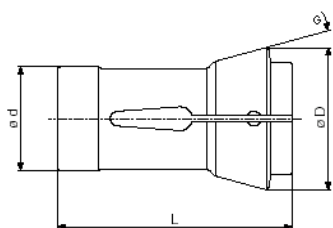
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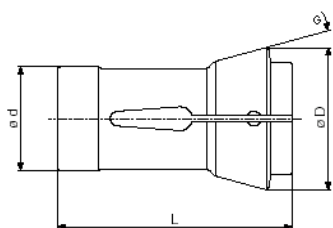
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**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| d | D | L | G° | EINHEITS | Referencia Galán<br><i>Galan code</i> |
|---|---|---|----|----------|---------------------------------------|
|---|---|---|----|----------|---------------------------------------|

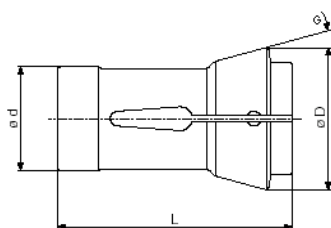
|      |      |      |      |        |          |
|------|------|------|------|--------|----------|
| 7    | 11   | 41   | 16   | 1023 E | G-353-F  |
| 7    | 10,5 | 26   | 15   | 1020 E | G-5345-F |
| 8    | 12   | 42   | 16   | 101 E  | G-534-F  |
| 10   | 16   | 46   | 20   | 111 E  | G-47-F   |
| 10   | 16   | 46   | 20   | 109 E  | G-47-F2  |
| 13   | 19   | 64   | 16   | 116 E  | G-35.7-F |
| 14   | 18   | 46   | 13   | 117 E  | G-3410-F |
| 15   | 21   | 64   | 15   | 120 E  | G-3510-F |
| 15   | 22   | 47   | 20   | 121 E  | G-537-FR |
| 16   | 22   | 55   | 15   | 123 E  | G-5310-F |
| 17,4 | 22   | 51   | 15   | 125 E  | G-4010-F |
| 18   | 24   | 64   | 16   | 1248 E | G-3914-F |
| 18   | 25   | 67   | 15   | 127 E  | G-412-F  |
| 20   | 26   | 54   | 15   | 136 E  | G-1512-F |
| 20   | 28   | 67   | 16   | 138 E  | G-3515-F |
| 20   | 27,5 | 60   | 15   | 1299 E | G-5315-F |
| 22   | 30   | 55   | 15   | 140 E  | G-1716-F |
| 22   | 28   | 67   | 13   | 139 E  | G-416-F  |
| 22   | 32   | 66   | 16   |        | G-5316-F |
| 23,8 | 28,6 | 63,5 | 15   | 141 E  | G-4016-F |
| 24   | 30   | 50   | 15,3 |        | G-2412-F |
| 24   | 32   | 71   | 16   |        | G-5118-F |
| 25   | 31   | 54   | 15   | 143 E  | G-1516-F |
| 25   | 35   | 77   | 16   | 145 E  | G-3520-F |
| 25   | 34   | 65   | 15   | 144 E  | G-5320-F |
| 26   | 32   | 67   | 13   | 146 E  | G-420-F  |
| 27   | 38   | 72,7 | 15   | 147 E  | G-3420-F |
| 28   | 38   | 70   | 15   | 148 E  | G-1722-F |
| 30   | 39,3 | 86,5 | 15   | 156 E  | G-1518-F |
| 30   | 42   | 80   | 16   | 157 E  | G-3525-F |
| 30   | 38   | 65   | 15   | 1446 E | G-5324-F |
| 30   | 42   | 90   | 15   |        | G-822-F  |
| 30   | 42   | 90   | 15   |        | G-822-F  |
| 30,2 | 38,1 | 73,1 | 15   |        | G-4022-F |
| 31,8 | 42,9 | 71,5 | 15   |        | G-4025-F |
| 32   | 42   | 78   | 15,3 |        | G-2420-F |
| 32   | 42   | 78   | 15   |        | G-3325-F |
| 32   | 45   | 75   | 15   | 161 E  | G-4125-F |
| 32   | 40   | 65   | 15   | 1473 E | G-5325-F |
| 33   | 42   | 71   | 15   |        | G-2422-F |
| 34   | 44   | 80   | 16   | 1497 E | G-3528-F |
| 34   | 40   | 80   | 15   |        | G-426-F  |
| 34,9 | 48,5 | 90,5 | 15   |        | G-1226-F |
| 35   | 48   | 80   | 15   | 163 E  | G-1524-F |
| 35   | 43   | 70   | 15   | 162 E  | G-324-F  |



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**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| d | D | L | G° | EINHEITS | Referencia Galán  |
|---|---|---|----|----------|-------------------|
|   |   |   |    |          | <i>Galan code</i> |

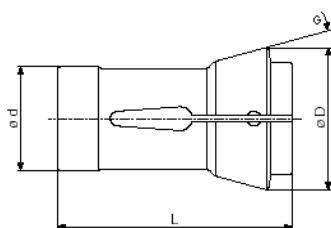
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|------|------|-------|------|--------|----------|
| 36   | 48   | 90    | 15   |        | G-1730-F |
| 36   | 46   | 80    | 15   |        | G-3332-F |
| 37   | 47   | 92    | 16   | 1536 E | G-3530-F |
| 37,5 | 47   | 75    | 14   |        | G-5030-F |
| 38   | 50,3 | 86    | 15   |        | G-3432-F |
| 38   | 50   | 108   | 15   |        | G-530-F  |
| 38,1 | 49,2 | 108   | 15   | 164 E  | G-1732-F |
| 39   | 46   | 80    | 15   | 1557 E | G-432-F  |
| 40   | 56,5 | 100   | 15   |        | G-1432-F |
| 42   | 55   | 94    | 15   | 171 E  | G-1530-F |
| 44   | 58   | 108   | 15   |        | G-535-F  |
| 47,6 | 61,5 | 99    | 15   |        | G-1240-F |
| 48   | 60   | 94    | 15   | 173 E  | G-1742-F |
| 48   | 64   | 110   | 15   |        | G-540-F  |
| 52   | 63   | 92    | 15   |        | G-1746-F |
| 52   | 63   | 92    | 15,3 |        | G-2440-F |
| 52   | 63   | 92    | 15   |        | G-4146-F |
| 56   | 68   | 94    | 15   |        | G-550-F  |
| 58   | 70   | 94    | 15   | 177 E  | G-2952-F |
| 60,3 | 83   | 129,4 | 15   |        | G-1251-F |
| 64   | 79   | 124   | 15   | 1779 E | G-1450-F |
| 66   | 84   | 110   | 15   | 185 E  | G-2960-F |
| 68   | 84   | 110   | 15   | 1791 E | G-1760-F |
| 72   | 90   | 142   | 15   | 187 E  | G-2964-F |
| 82   | 100  | 160   | 15   | 1884 E | G-1765-F |
| 84   | 100  | 142   | 15   | 188 E  | G-2975-F |
| 88   | 106  | 115   | 15   | 190 E  | G-5180-F |
| 90   | 107  | 130   | 15   | 193 E  | G-3480-F |
| 95   | 116  | 200   | 15   | 194 E  | G-2983-F |
| 105  | 125  | 172   | 15   | 195 E  | G-2990-F |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

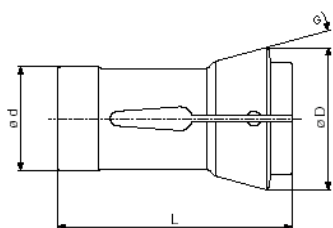
|                         |              |      |      |       |    |        |          |
|-------------------------|--------------|------|------|-------|----|--------|----------|
| <b>BECHET</b>           | 7/10/12      | 8    | 12   | 42    | 16 | 101 E  | G-534-F  |
|                         | 769/1069     | 10   | 16   | 46    | 20 | 111 E  | G-47-F   |
|                         | 1268/1968    | 10   | 16   | 46    | 20 | 111 E  | G-47-F   |
|                         | 2568/3268    | 10   | 16   | 46    | 20 | 111 E  | G-47-F   |
|                         | 1069/1968    | 14   | 18   | 46    | 13 | 117 E  | G-410-F  |
|                         | 2568/3268    | 14   | 18   | 46    | 13 | 117 E  | G-410-F  |
|                         | RM 1268      | 16   | 22   | 55    | 15 | 123 E  | G-5310-F |
|                         | RM 16        | 20   | 27,5 | 60    | 15 | 1299 E | G-5315-F |
|                         | 1968         | 25   | 34   | 65    | 15 | 144 E  | G-5320-F |
|                         | RM 3268      | 38,1 | 49   | 107,5 | 15 | 164 E  | G-1732-F |
| <b>BECHLER</b>          | AS-4 AS/AR-7 | 10   | 16   | 46    | 20 | 111 E  | G-47-F   |
|                         | A-8 AS/AR-10 | 14   | 18   | 46    | 12 | 117 E  | G-410-F  |
|                         | B/BR-12      | 18   | 25   | 67    | 15 | 127 E  | G-412-F  |
|                         | B/BR-16      | 22   | 28   | 67    | 13 | 139 E  | G-416-F  |
|                         | B/BR-20      | 26   | 32   | 67    | 13 | 146 E  | G-420-F  |
|                         | C/CR-26      | 34   | 40   | 80    | 15 |        | G-426-F  |
|                         | C/CR-32      | 39   | 46   | 80    | 15 | 1557 E | G-432-F  |
| <b>BOLEY&amp;LEINEN</b> | SR 10        | 17,5 | 22   | 51    | 15 | 125 E  | G-4010-F |
|                         | SR/J/ER 15   | 22   | 30   | 55    | 15 | 140 E  | G-1716-F |
|                         | SR 20        | 28   | 38   | 70    | 15 | 148 E  | G-1722-F |
|                         | SR 25/J26    | 32   | 45   | 75    | 15 | 161 E  | G-4125-F |
| <b>BROWN&amp;SHARPE</b> | 00           | 17,4 | 22   | 51    | 15 | 125 E  | G-4010-F |
|                         | 10           | 23,8 | 28,6 | 63,5  | 15 | 141 E  | G-4016-F |
|                         | 11           | 27   | 38,1 | 73,1  | 15 | 147 E  | G-4020-F |
|                         | 11C          | 30,2 | 38,1 | 73,1  | 15 |        | G-4022-F |
|                         | 21           | 31,8 | 42,9 | 71,5  | 15 |        | G-4025-F |
|                         | 22           | 38,1 | 49,2 | 108   | 15 | 164 E  | G-1732-F |
| <b>CABALLERIA</b>       | TR-30        | 38   | 50   | 108   | 15 |        | G-530-F  |
|                         | TR-35        | 44   | 58   | 108   | 15 |        | G-535-F  |
|                         | TR-40        | 48   | 64   | 110   | 15 |        | G-540-F  |
|                         | TR-50        | 56   | 68   | 94    | 15 |        | G-550-F  |
|                         | TR-60        | 66   | 84   | 110   | 15 | 185 E  | G-2960-F |
| <b>CAMPORESI</b>        | T 15         | 22   | 30   | 55    | 15 | 140 E  | G-1716-F |
|                         | T 25         | 32   | 45   | 75    | 15 | 161 E  | G-4125-F |
|                         | T 42         | 48   | 60   | 94    | 15 | 173 E  | G-1742-F |
|                         | T 60         | 66   | 84   | 110   | 15 | 185 E  | G-2960-F |
| <b>CANAVESE</b>         | CG 30        | 36   | 48   | 90    | 15 |        | G-1730-F |
|                         | CG 40        | 48   | 60   | 94    | 15 | 173 E  | G-1742-F |
| <b>CANMA</b>            | TA-30        | 37,5 | 47   | 75    | 14 |        | G-5030-F |
|                         | TA-42        | 48   | 60   | 94    | 15 | 173 E  | G-1742-F |
| <b>CAPORALI</b>         | CMI40        | 35   | 48   | 80    | 15 | 163 E  | G-1524-F |
|                         | CMO40        | 48   | 60   | 94    | 15 | 173 E  | G-1742-F |
|                         | CMO60-CMI60  | 68   | 84   | 110   | 15 | 185 E  | G-1760-F |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

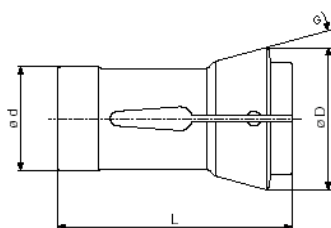
|                    |                |      |      |      |    |        |          |
|--------------------|----------------|------|------|------|----|--------|----------|
| <b>CASER</b>       | TA 15          | 22   | 30   | 55   | 15 | 140 E  | G-1716-F |
|                    | TA 20          | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                    | TA 26          | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                    | TA 30          | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                    | TA 42          | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                    | TA 46          | 52   | 63   | 92   | 15 |        | G-1746-F |
|                    | TA 50          | 58   | 70   | 94   | 15 | 177 E  | G-2952-F |
| <b>CERIOTTI</b>    | B 26           | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                    | B 32           | 38   | 50,3 | 86   | 15 |        | G-4132-F |
|                    | RSV 36         | 42   | 55   | 94   | 15 | 171 E  | G-1530-F |
|                    | B 46           | 52   | 63   | 92   | 15 |        | G-4146-F |
| <b>CITIZEN</b>     | G/D 10         | 15   | 21   | 64   | 15 | 120 E  | G-3510-F |
|                    | F/G/L/E 16     | 15   | 21   | 64   | 15 | 120 E  | G-3510-F |
|                    | F/E 20         | 25   | 35   | 77   | 16 | 145 E  | G-3520-F |
|                    | F/E 25         | 30   | 42   | 80   | 16 | 157 E  | G-3525-F |
| <b>DANOBAT-IME</b> | TR20-TR22      | 30   | 42   | 90   | 15 |        | G-822-F  |
|                    | TR26/35        | 40   | 56,5 | 100  | 15 |        | G-1432-F |
|                    | TR30/32        | 40   | 56,5 | 100  | 15 |        | G-1432-F |
|                    | TR35/40        | 47,6 | 61,5 | 99   | 15 |        | G-1240-F |
|                    | D44/40         | 47,6 | 61,5 | 99   | 15 |        | G-1240-F |
|                    | TR40A/50       | 64   | 79   | 124  | 15 | 1779 E | G-1450-F |
|                    | TR40A/60       | 66   | 84   | 110  | 15 | 185 E  | G-2960-F |
| <b>Norma DIN</b>   | DIN 6343-17,5  | 17,5 | 22   | 51   | 15 | 125E   | G-4010-F |
|                    | DIN 6343-22    | 22   | 30   | 55   | 15 | 140E   | G-1716-F |
|                    | DIN 6343-28    | 28   | 38   | 70   | 15 | 148E   | G-1722-F |
|                    | DIN 6343-32    | 32   | 45   | 75   | 15 | 161E   | G-4125-F |
|                    | DIN 6343-35    | 35   | 48   | 80   | 15 | 163E   | G-1524-F |
|                    | DIN 6343-42    | 42   | 55   | 94   | 15 | 171E   | G-1530-F |
|                    | DIN 6343-48    | 48   | 60   | 94   | 15 | 173E   | G-1742-F |
|                    | DIN 6343-56    | 56   | 68   | 94   | 15 |        | G-550-F  |
|                    | DIN 6343-66    | 66   | 84   | 110  | 15 | 185E   | G-2960-F |
| <b>DREHFRAESA</b>  | Unimat 42      | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                    | D30            | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
| <b>ELGO</b>        | TR-26          | 34,9 | 48,5 | 90,5 | 15 |        | G-1226-F |
|                    | KL-26          | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
| <b>EMI-MEC</b>     | E/C 26         | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
| <b>FAHRION</b>     | SPF-20         | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                    | SPF-40         | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                    | SPF-60         | 66   | 84   | 110  | 15 | 185 E  | G-2960-F |
| <b>FEINLER</b>     | FA-10          | 15   | 21   | 63   | 15 | 120 E  | G-3510-F |
|                    | FA-15          | 22   | 30   | 55   | 15 | 140 E  | G-1716-F |
|                    | FD-25          | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
| <b>GAUTHIER</b>    | GM-75/105      | 14   | 19,5 | 46   | 15 | 118 E  | G-3410-F |
|                    | GM-105/125/127 | 15   | 21   | 63   | 16 | 120 E  | G-3510-F |
|                    | GM-20          | 25   | 35   | 77   | 16 | 145 E  | G-3520-F |
|                    | GM-25          | 30   | 42   | 80   | 16 | 157 E  | G-3525-F |



**PINZAS DE CABEZAL**  
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**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

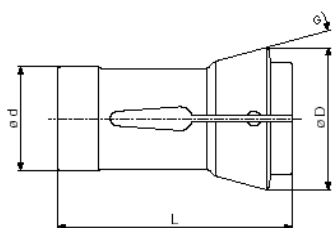
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|-----------------|----------------|------|------|------|----|--------|----------|
| <b>G. BOLEY</b> | REV 10         | 17,5 | 22   | 51   | 15 | 125 E  | G-4010-F |
|                 | REV 16         | 22   | 30   | 55   | 15 | 140 E  | G-1716-F |
|                 | REV 20         | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                 | REV/RD 25      | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                 | RD 42          | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
| <b>GIORGI</b>   | GM 18-GM 20    | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                 | GM 25          | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                 | GM 30          | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
| <b>HABEGGER</b> | F-38           | 38,1 | 49,2 | 108  | 15 | 164 E  | G-1732-F |
|                 | F-48           | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | RA-55 F-64     | 64   | 79   | 124  | 15 | 1779 E | G-1450-F |
| <b>HERBERT</b>  | Nr.0           | 20,6 | 28,4 | 67   | 15 | 138 E  | G-1213-F |
|                 | 1-S            | 34,9 | 48,5 | 90,5 | 15 |        | G-1226-F |
|                 | 2-S/2-D        | 47,6 | 61,5 | 99   | 15 |        | G-1240-F |
| <b>HILLE</b>    | RN 16/22       | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                 | DC/DE 25       | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                 | DL 40          | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
| <b>IMAMI</b>    | IC/R 28        | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                 | IC42           | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
| <b>INDEX</b>    | ON/OR-8        | 17,4 | 22   | 51   | 15 | 125 E  | G-4010-F |
|                 | ON/OR-12       | 20   | 26   | 54   | 15 | 136 E  | G-1512-F |
|                 | 12/DG-12       | 22   | 30   | 55   | 15 | 140 E  | G-1716-F |
|                 | ON/OR-16       | 25   | 31   | 54   | 15 | 143 E  | G-1516-F |
|                 | 18/C-19        | 28   | 38   | 70   | 15 | 148 E  | G-1722-F |
|                 | 24/C29/B30     | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                 | E/ER-25        | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                 | 25             | 35   | 43   | 70   | 15 | 162 E  | G-324-F  |
|                 | 36/B-42        | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | E/ER-42        | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | 52/B-60        | 66   | 84   | 110  | 15 | 185 E  | G-2960-F |
| <b>ITS TCA</b>  | 302            | 22   | 30   | 55   | 15 | 140 E  | G-1716-F |
|                 | 301            | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                 | 36             | 42   | 55   | 94   | 15 | 171 E  | G-1530-F |
|                 | 42             | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | 60             | 68   | 84   | 110  | 15 | 185 E  | G-1760-F |
| <b>LICO</b>     | LA 25-LA 25S   | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |
|                 | LA 30L         | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
| <b>MANURHIN</b> | Combinat 80    | 88   | 102  | 120  | 15 |        | G-1780-F |
|                 | Decoturn 12/16 | 20   | 26   | 54   | 15 | 136 E  | G-1512-F |
|                 | Decoturn 20    | 25   | 35   | 75   | 16 | 145 E  | G-3520-F |
|                 | Emco 342       | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | Euroturn 1-2   | 48   | 60   | 94   | 15 | 173 E  | G-1742-F |
|                 | KMX 20/220/226 | 25   | 35   | 75   | 16 | 145 E  | G-3520-F |
|                 | KMX 225        | 35   | 48   | 80   | 15 | 163 E  | G-1524-F |
|                 | KMX 26         | 30   | 42   | 80   | 16 | 157 E  | G-3525-F |
|                 | KMX 26         | 32   | 45   | 75   | 15 | 161 E  | G-4125-F |



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**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

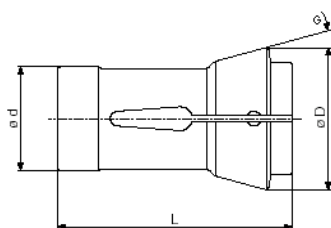
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|-----------------|------------------|------|------|-----|----|--------|----------|
| <b>MANURHIN</b> | KMX 42           | 48   | 60   | 94  | 15 | 173 E  | G-1742-F |
|                 | Mirabel PM 32    | 25   | 35   | 75  | 16 | 145 E  | G-3520-F |
|                 | PF 2-52/80L      | 88   | 102  | 120 | 15 |        | G-1780-F |
|                 | PF/TR 16 B       | 22   | 30   | 55  | 15 | 140 E  | G-1716-F |
|                 | PF/TR 22 B       | 28   | 38   | 70  | 15 | 148 E  | G-1722-F |
|                 | PF/TR 25 L       | 32   | 45   | 75  | 15 | 161 E  | G-4125-F |
|                 | PF/TR 32 B       | 38,1 | 49,2 | 108 | 15 | 164 E  | G-1732-F |
|                 | PF/TR 42 B       | 48   | 60   | 94  | 15 | 173 E  | G-1742-F |
|                 | PF/TR 60 B       | 68   | 84   | 110 | 15 | 1791 E | G-1760-F |
|                 | TR 65 B          | 82   | 100  | 160 | 15 | 1884 E | G-1765-F |
|                 | Traminer 16      | 20   | 28   | 67  | 16 | 138 E  | G-3515-F |
|                 | Traminer 20      | 25   | 35   | 75  | 16 | 145 E  | G-3520-F |
| <b>MUPEM</b>    | TR-16            | 22   | 30   | 55  | 15 | 140 E  | G-1716-F |
|                 | Mini/Superwin 16 | 22   | 30   | 55  | 15 | 140 E  | G-1716-F |
|                 | TA-18            | 24   | 32   | 71  | 16 |        | G-5118-F |
|                 | TA-22/22R        | 30   | 42   | 90  | 15 |        | G-822-F  |
|                 | TR-26            | 32   | 45   | 75  | 15 | 161 E  | G-4125-F |
|                 | TA30B/TM30       | 35   | 48   | 80  | 15 | 163 E  | G-1524-F |
|                 | TA-32R           | 40   | 56,5 | 100 | 15 |        | G-1432-F |
|                 | Mini/Superwin 36 | 42   | 55   | 94  | 15 | 171 E  | G-1530-F |
|                 | TR-42 / WIN 42   | 48   | 60   | 94  | 15 | 173 E  | G-1742-F |
|                 | TA-60R / WIN 60  | 66   | 84   | 110 | 15 | 185 E  | G-2960-F |
| <b>ORTLIEB</b>  | SSF-15           | 20   | 26   | 54  | 15 | 136 E  | G-1512-F |
|                 | SSF-20           | 28   | 38   | 70  | 15 | 148 E  | G-1722-F |
|                 | SSF-30           | 35   | 48   | 80  | 15 | 163 E  | G-1524-F |
|                 | SSF-40           | 48   | 60   | 94  | 15 | 173 E  | G-1742-F |
|                 | SSF-60           | 66   | 84   | 110 | 15 | 185 E  | G-2960-F |
|                 | SSF-80           | 88   | 102  | 120 | 15 |        | G-1780-F |
| <b>PETERMAN</b> | P-O/P-3          | 7    | 10,5 | 26  | 15 | 1020 E | G-5345-F |
|                 | P-4              | 8    | 12   | 41  | 16 | 101 E  | G-534-F  |
|                 | P-7 Nr.1         | 10   | 16   | 46  | 20 | 109 E  | G-47-F2  |
|                 | P7R/Nr.1R        | 15   | 22   | 47  | 20 | 121 E  | G-537-FR |
|                 | Nr.10/10HS       | 16   | 22   | 55  | 15 | 123 E  | G-5310-F |
|                 | P15/10R/HSR      | 20   | 27,5 | 60  | 15 | 1299 E | G-5315-F |
|                 | P-16             | 22   | 32   | 66  | 16 | 1323 E | G-5316-F |
|                 | Nr.2A            | 25   | 34   | 65  | 15 | 144 E  | G-5320-F |
|                 | Nr.2AR           | 30   | 38   | 65  | 15 | 1446 E | G-5324-F |
|                 | P-25             | 32   | 40   | 65  | 15 | 1473 E | G-5325-F |
| <b>PONGRACZ</b> | Siplomat 12      | 20   | 26   | 54  | 15 | 136 E  | G-1512-F |
|                 | L 20/L 25        | 32   | 45   | 75  | 15 | 161 E  | G-4125-F |
| <b>PRAWEMA</b>  | PN 125           | 22   | 30   | 55  | 15 | 140 E  | G-1716-F |
|                 | LZ 140           | 35   | 48   | 80  | 15 | 163 E  | G-1524-F |
|                 | RDA 25           | 42   | 55   | 94  | 15 | 171 E  | G-1530-F |
| <b>RAMBOLD</b>  | RH 12/RD 13      | 15   | 21   | 64  | 16 | 120 E  | G-3510-F |
|                 | RH 26            | 32   | 45   | 75  | 15 | 161 E  | G-4125-F |
|                 | RH 42            | 48   | 60   | 94  | 15 | 173 E  | G-1742-F |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO    | MODELO       | d | D | L | G° | EINHEITS | Referencia Galán  |
|----------------|--------------|---|---|---|----|----------|-------------------|
| <i>MACHINE</i> | <i>MODEL</i> |   |   |   |    |          | <i>Galan code</i> |

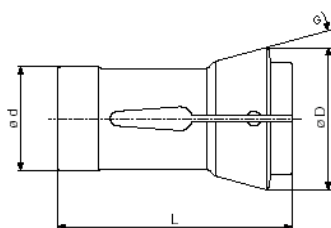
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|--------------------|------------------|------|------|-------|------|--------|----------|
| <b>SAIC</b>        | C 12             | 15   | 21   | 64    | 16   | 120 E  | G-3510-F |
|                    | C 16             | 14   | 18   | 46    | 13   | 117 E  | G-3410-F |
|                    | 20/22            | 27   | 38   | 72,7  | 15   | 147 E  | G-3420-F |
|                    | B 26             | 32   | 45   | 75    | 15   | 161 E  | G-4125-F |
|                    | A 30             | 35   | 48   | 80    | 15   | 163 E  | G-1524-F |
|                    | A 32             | 38   | 50,3 | 86    | 15   |        | G-3432-F |
| <b>SKODA-MAS</b>   | A-12             | 24   | 30   | 50    | 15,3 |        | G-2412-F |
|                    | A-20             | 32   | 42   | 78    | 15,3 |        | G-2420-F |
|                    | A-20 A           | 33   | 42   | 71    | 15   |        | G-2422-F |
|                    | A-40             | 52   | 63   | 92    | 15,3 |        | G-2440-F |
| <b>SPRINT</b>      | TR-26/AUTO       | 34,9 | 48,5 | 90,5  | 15   |        | G-1226-F |
|                    | TR-32            | 40   | 56,5 | 100   | 15   |        | G-1432-F |
|                    | TR-40            | 47,6 | 61,5 | 99    | 15   |        | G-1240-F |
|                    | TR-50            | 60,3 | 83   | 129,4 | 15   |        | G-1251-F |
|                    | TR-60            | 56   | 68   | 94    | 15   |        | G-550-F  |
|                    | TR-26            | 32   | 45   | 75    | 15   | 161 E  | G-4125-F |
|                    | TR-42            | 48   | 60   | 94    | 15   | 173 E  | G-1742-F |
|                    | TR-50            | 56   | 68   | 94    | 15   |        | G-550-F  |
| <b>STAR</b>        | JNC/SNC 10DX     | 15   | 21   | 64    | 16   | 120 E  | G-3510-F |
|                    | RNC 10           | 15   | 21   | 64    | 16   | 120 E  | G-3510-F |
|                    | VCN 12           | 20   | 28   | 67    | 16   | 138 E  | G-3515-F |
|                    | SNC 15/RNC 16    | 20   | 28   | 67    | 16   | 138 E  | G-3515-F |
|                    | JNC 16/SNC 15 DX | 20   | 28   | 67    | 16   | 138 E  | G-3515-F |
|                    | KJR 16           | 20   | 28   | 67    | 16   | 138 E  | G-3515-F |
|                    | KNC 16-20        | 25   | 35   | 77    | 16   | 145 E  | G-3520-F |
|                    | VNC 20           | 25   | 35   | 77    | 16   | 145 E  | G-3520-F |
|                    | SNC 25DX         | 34   | 44   | 80    | 16   | 1497 E | G-3528-F |
|                    | KNC/JNC 25-32    | 37   | 47   | 92    | 16   | 1536 E | G-3530-F |
|                    | VCN 32           | 37   | 47   | 92    | 16   | 1536 E | G-3530-F |
| <b>STEINHAUSER</b> | D 12,5/16        | 20   | 26   | 54    | 15   | 136 E  | G-1512-F |
|                    | D 16/20          | 25   | 31   | 54    | 15   | 143 E  | G-1516-F |
|                    | ST 18/25         | 30   | 39,3 | 86,5  | 15   | 156 E  | G-1518-F |
|                    | E 25-ST 22       | 30   | 39,3 | 86,5  | 15   | 156 E  | G-1518-F |
|                    | ST 28            | 35   | 48   | 80    | 15   | 163 E  | G-1524-F |
|                    | D35 STF25/36K    | 42   | 55   | 94    | 15   | 171 E  | G-1530-F |
|                    | D36 B52          | 48   | 60   | 94    | 15   | 173 E  | G-1742-F |
|                    | D 60             | 66   | 84   | 110   | 15   | 185 E  | G-2960-F |
| <b>STROHM</b>      | M-45             | 8    | 12   | 42    | 16   | 101 E  | G-3555-F |
|                    | M-75             | 10   | 16   | 46    | 20   | 109 E  | G-47-F2  |
|                    | M-105/125        | 15   | 21   | 64    | 16   | 120 E  | G-3510-F |
|                    | M-205            | 25   | 35   | 77    | 16   | 145 E  | G-3520-F |
|                    | M-255            | 30   | 42   | 80    | 16   | 157 E  | G-3525-F |
| <b>TAREX</b>       | TAR-L32B         | 38,1 | 49   | 108   | 15   | 164 E  | G-1732-F |
|                    | TAR-42/L42       | 48   | 60   | 94    | 15   | 173 E  | G-1742-F |
|                    | MINITAR          | 48   | 60   | 94    | 15   | 173 E  | G-1742-F |



**PINZAS DE CABEZAL**  
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**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

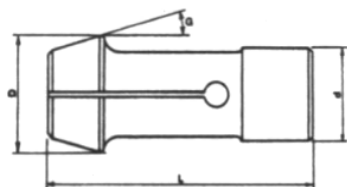
|                 |                |     |     |     |    |        |          |
|-----------------|----------------|-----|-----|-----|----|--------|----------|
| <b>TAREX</b>    | TAR-52/L-52    | 58  | 70  | 94  | 15 | 177 E  | G-2952-F |
|                 | TAR-60/TAR N60 | 66  | 84  | 110 | 15 | 185 E  | G-2960-F |
|                 | TAR H64        | 72  | 90  | 142 | 15 | 187 E  | G-2964-F |
|                 | TAR H75        | 84  | 100 | 142 | 15 | 188 E  | G-2975-F |
|                 | TAR N83        | 95  | 116 | 200 | 15 | 194 E  | G-2983-F |
|                 | TAR H90        | 105 | 125 | 172 | 15 | 195 E  | G-2990-F |
| <b>TEIXIDO</b>  | A-10           | 15  | 21  | 63  | 16 | 120 E  | G-3510-F |
|                 | A-14           | 18  | 24  | 64  | 16 | 1248 E | G-3914-F |
|                 | A-25           | 32  | 45  | 75  | 15 | 161 E  | G-4125-F |
| <b>TOBRE</b>    | 10             | 15  | 21  | 64  | 16 | 120 E  | G-3510-F |
|                 | 16             | 22  | 32  | 66  | 16 |        | G-5316-F |
|                 | 20             | 25  | 35  | 77  | 16 | 145 E  | G-3520-F |
|                 | 28             | 32  | 42  | 78  | 15 |        | G-3325-F |
|                 | 32             | 36  | 46  | 80  | 15 |        | G-3332-F |
| <b>TONSHOFF</b> | RH/RPU/RPH 18  | 28  | 38  | 70  | 15 | 148 E  | G-1722-F |
|                 | RH/RPU 25      | 35  | 43  | 70  | 15 | 162 E  | G-1525-F |
|                 | RPU 30         | 42  | 55  | 94  | 15 | 171 E  | G-1530-F |
|                 | RPU 36         | 48  | 60  | 94  | 15 | 173 E  | G-1742-F |
|                 | RPU 60         | 66  | 84  | 110 | 15 | 185 E  | G-2960-F |
| <b>TORNOS</b>   | M-3/M-4        | 7   | 11  | 41  | 16 | 1023 E | G-353-F  |
|                 | BO/M4/TV/T4    | 8   | 12  | 42  | 16 | 101 E  | G-3555-F |
|                 | BO/M6/M7       | 10  | 16  | 46  | 20 | 109 E  | G-47-F2  |
|                 | MS7            | 13  | 19  | 64  | 16 | 116 E  | G-35.7-F |
|                 | N1/M10/R10     | 15  | 21  | 64  | 16 | 120 E  | G-3510-F |
|                 | B2/M13/M14     | 18  | 24  | 64  | 16 | 1248 E | G-3914-F |
|                 | B2/M15/R16     | 20  | 28  | 67  | 16 | 138 E  | G-3515-F |
|                 | DECO 2000/26   | 30  | 38  | 65  | 15 | 1446 E | G-5324-F |
|                 | B3/M20/R20     | 25  | 35  | 77  | 16 | 145 E  | G-3520-F |
|                 | M-25           | 30  | 42  | 80  | 16 | 157 E  | G-3525-F |
|                 | M28/MR28       | 34  | 44  | 80  | 16 | 1497 E | G-3528-F |
|                 | M30/MR32       | 37  | 47  | 92  | 16 | 1536 E | G-3530-F |
| <b>TRAUB</b>    | A/TC-15 TD-16  | 22  | 30  | 55  | 15 | 140 E  | G-1716-F |
|                 | A-20           | 28  | 38  | 70  | 15 | 148 E  | G-1722-F |
|                 | A-25/TD-26     | 32  | 45  | 75  | 15 | 161 E  | G-4125-F |
|                 | A-36/TD-36     | 42  | 55  | 94  | 15 | 171 E  | G-1530-F |
|                 | A/TB-42        | 48  | 60  | 94  | 15 | 173 E  | G-1742-F |
|                 | A/TB-60        | 66  | 84  | 110 | 15 | 185 E  | G-2960-F |
|                 | A-80           | 90  | 107 | 130 | 15 | 193 E  | G-3480-F |
|                 | TBH 80         | 88  | 106 | 115 | 15 | 190 E  | G-5180-F |
| <b>TSUGAMI</b>  | NT-NP 11       | 15  | 21  | 64  | 16 | 120 E  | G-3510-F |
|                 | NT-NP 16/17    | 22  | 30  | 55  | 15 | 140 E  | G-1716-F |
|                 | NT-NP 20       | 25  | 35  | 77  | 16 | 145 E  | G-3520-F |
|                 | NT-NP 32       | 37  | 47  | 92  | 16 | 1536 E | G-3530-F |
| <b>UNAMUNO</b>  | TA-15          | 22  | 30  | 55  | 15 | 140 E  | G-1716-F |
|                 | TA-25          | 32  | 45  | 75  | 15 | 161 E  | G-4125-F |
|                 | TA-35          | 42  | 55  | 94  | 15 | 171 E  | G-1530-F |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

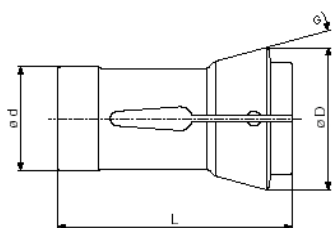
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|--------------------------|-----------------|------|------|------|----|-------|----------|
| <b>UNAMUNO</b>           | TA-42           | 48   | 60   | 94   | 15 | 173 E | G-1742-F |
|                          | TA-60           | 66   | 84   | 110  | 15 | 185 E | G-2960-F |
| <b>URASA</b>             | TR-26           | 34,9 | 48,5 | 90,5 | 15 |       | G-1226-F |
|                          | TRA-32/35       | 40   | 56,5 | 100  | 15 |       | G-1432-F |
| <b>WEISSER</b>           | Shone Optor 20  | 28   | 38   | 70   | 15 | 148 E | G-1722-F |
|                          | Shone Unventor  | 35   | 48   | 80   | 15 | 163 E | G-1524-F |
|                          | PO/RO 40        | 48   | 60   | 94   | 15 | 173 E | G-1742-F |
|                          | Eugen PZ165DLNE | 66   | 84   | 110  | 15 | 185 E | G-2960-F |
| <b>WIRTH&amp;GRUFFAT</b> | 12              | 15   | 21   | 64   | 16 | 120 E | G-3510-F |
|                          | 20              | 26   | 32   | 67   | 13 | 146 E | G-420-F  |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | Referencia Galán |
|-------------|--------|---|---|---|----|------------------|
| MACHINE     | MODEL  |   |   |   |    | Galan code       |

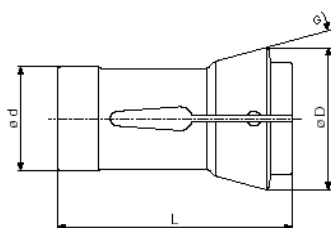
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|---------------|-------------|----|------|----|------|----------|
| <b>ELGO</b>   | A/DM/DME-16 | 25 | 31,5 | 72 | 15,3 | G-1016-F |
| <b>JATOR</b>  | J22-140     | 32 | 38   | 76 | 15   | G-122-F  |
| <b>SPRINT</b> | TR-22       | 32 | 38   | 76 | 15   | G-122-F  |
| <b>URASA</b>  | TR-18       | 26 | 32   | 71 | 15   | G-5218-F |
|               | TR-22       | 32 | 38   | 76 | 15   | G-122-F  |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

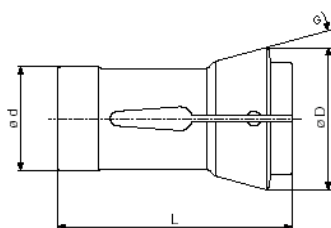
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|-----------------|----------------|------|------|-----|----|--------|-------------|
| <b>BECHLER</b>  | A-AR-AS4       | 10   | 16   | 48  | 20 | 1371-E | G-47-F2/MD  |
|                 | A-AR-AS7       | 10   | 16   | 48  | 20 | 1371-E | G-47-F2/MD  |
|                 | A-AR-AS10      | 18   | 25   | 67  | 15 | 127 E  | G-410-F/MD  |
|                 | B-BR12         | 18   | 25   | 67  | 15 | 127-E  | G-412-F/MD  |
|                 | B-BR16         | 22   | 28   | 67  | 13 | 139-E  | G-416-F/MD  |
|                 | B-BR20         | 26   | 32   | 67  | 13 | 146-E  | G-420-F/MD  |
|                 | C-CR26-32      | 39   | 46   | 80  | 15 | 1557 E | G-432-F/MD  |
| <b>FEINLER</b>  | FA-10          | 15   | 21   | 63  | 15 | 120 E  | G-3510-F/MD |
|                 | FA-15          | 22   | 30   | 55  | 15 | 140 E  | G-1716-F/MD |
|                 | FD-25          | 32   | 45   | 75  | 15 | 161 E  | G-4125-F/MD |
| <b>GAUTHIER</b> | GM-75/105      | 14   | 19,5 | 46  | 15 | 118 E  | G-3410-F/MD |
|                 | GM-105/125/127 | 15   | 21   | 63  | 16 | 120 E  | G-3510-F/MD |
|                 | GM-20          | 25   | 35   | 77  | 16 | 145 E  | G-3520-F/MD |
|                 | GM-25          | 30   | 42   | 80  | 16 | 157 E  | G-3525-F/MD |
| <b>G.BOLEY</b>  | REV 16         | 22   | 30   | 55  | 15 | 140 E  | G-1716-F/MD |
|                 | REV 20         | 28   | 38   | 70  | 15 | 148 E  | G-1722-F/MD |
|                 | REV/RD 25      | 32   | 45   | 75  | 15 | 161 E  | G-4125-F/MD |
|                 | RD 42          | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
| <b>GIORGI</b>   | GM 18-GM 20    | 28   | 38   | 70  | 15 | 148 E  | G-1722-F/MD |
|                 | GM 25          | 32   | 45   | 75  | 15 | 161 E  | G-4125-F/MD |
|                 | GM 30          | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |
| <b>HABEGGER</b> | F-48           | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
| <b>HILLE</b>    | RN 16/22       | 28   | 38   | 70  | 15 | 148 E  | G-1722-F/MD |
|                 | DC/DE 25       | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |
|                 | DL 40          | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
| <b>IMAMI</b>    | IC/R 28        | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |
|                 | IC42           | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
| <b>INDEX</b>    | ON/OR-8        | 17,4 | 22   | 51  | 15 | 125 E  | G-4010-F/MD |
|                 | ON/OR-12       | 20   | 26   | 54  | 15 | 136 E  | G-1512-F/MD |
|                 | 12/DG-12       | 22   | 30   | 55  | 15 | 140 E  | G-1716-F/MD |
|                 | ON/OR-16       | 25   | 31   | 54  | 15 | 143 E  | G-1516-F/MD |
|                 | 18/C-19        | 28   | 38   | 70  | 15 | 148 E  | G-1722-F/MD |
|                 | 24/C29/B30     | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |
|                 | E/ER-25        | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |
|                 | 25             | 35   | 43   | 70  | 15 | 162 E  | G-324-F/MD  |
|                 | 36/B-42        | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
|                 | E/ER-42        | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
|                 | 52/B-60        | 66   | 84   | 110 | 15 | 185 E  | G-2960-F/MD |
| <b>ITS TCA</b>  | 302            | 22   | 30   | 55  | 15 | 140 E  | G-1716-F/MD |
|                 | 301            | 32   | 45   | 75  | 15 | 161 E  | G-4125-F/MD |
|                 | 36             | 42   | 55   | 94  | 15 | 171 E  | G-1530-F/MD |
|                 | 42             | 48   | 60   | 94  | 15 | 173 E  | G-1742-F/MD |
|                 | 60             | 68   | 84   | 110 | 15 | 185 E  | G-1760-F/MD |
| <b>LICO</b>     | LA 25-LA 25S   | 32   | 45   | 75  | 15 | 161 E  | G-4125-F/MD |
|                 | LA 30L         | 35   | 48   | 80  | 15 | 163 E  | G-1524-F/MD |



**PINZAS DE CABEZAL**  
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**BAR COLLETS**  
**SPANNZANGEN**  
**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

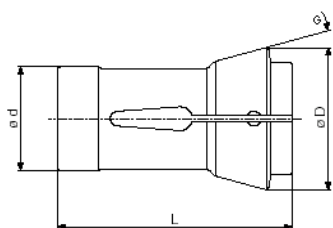
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|-----------------|------------------|----|------|----|----|--------|-------------|
| <b>MANURHIN</b> | Decoturn 12/16   | 20 | 26   | 54 | 15 | 136 E  | G-1512-F/MD |
|                 | Decoturn 20      | 25 | 35   | 75 | 16 | 145 E  | G-3520-F/MD |
|                 | Emco 342         | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
|                 | Euroturn 1-2     | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
|                 | KMX 20/220/226   | 25 | 35   | 75 | 16 | 145 E  | G-3520-F/MD |
|                 | KMX 225          | 35 | 48   | 80 | 15 | 163 E  | G-1524-F/MD |
|                 | KMX 26           | 30 | 42   | 80 | 16 | 157 E  | G-3525-F/MD |
|                 | KMX 26           | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
|                 | KMX 42           | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
|                 | Mirabel PM 32    | 25 | 35   | 75 | 16 | 145 E  | G-3520-F/MD |
|                 | PF/TR 16 B       | 22 | 30   | 55 | 15 | 140 E  | G-1716-F/MD |
|                 | PF/TR 22 B       | 28 | 38   | 70 | 15 | 148 E  | G-1722-F/MD |
|                 | PF/TR 25 L       | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
|                 | PF/TR 42 B       | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
|                 | Traminer 16      | 20 | 28   | 67 | 16 | 138 E  | G-3515-F/MD |
|                 | Traminer 20      | 25 | 35   | 75 | 16 | 145 E  | G-3520-F/MD |
| <b>MUPEM</b>    | TR-16            | 22 | 30   | 55 | 15 | 140 E  | G-1716-F/MD |
|                 | Mini/Superwin 16 | 22 | 30   | 55 | 15 | 140 E  | G-1716-F/MD |
|                 | TR-26            | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
|                 | Mini/Superwin 26 | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
|                 | TA30B/TM30       | 35 | 48   | 80 | 15 | 163 E  | G-1524-F/MD |
|                 | Mini/Superwin 36 | 42 | 55   | 94 | 15 | 171 E  | G-1530-F/MD |
|                 | TR-42 / WIN 42   | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
| <b>ORTLIEB</b>  | SSF-15           | 20 | 26   | 54 | 15 | 136 E  | G-1512-F/MD |
|                 | SSF-20           | 28 | 38   | 70 | 15 | 148 E  | G-1722-F/MD |
|                 | SSF-30           | 35 | 48   | 80 | 15 | 163 E  | G-1524-F/MD |
|                 | SSF-40           | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |
| <b>PETERMAN</b> | P-O/P-3          | 7  | 10,5 | 26 | 15 | 1020 E | G-5345-F/MD |
|                 | P-4              | 8  | 12   | 41 | 16 | 101 E  | G-534-F/MD  |
|                 | P-7 Nr.1         | 10 | 16   | 46 | 20 | 109 E  | G-47-F2/MD  |
|                 | P7R/Nr.1R        | 15 | 22   | 47 | 20 | 121 E  | G-537-FR/MD |
|                 | Nr.10/10HS       | 16 | 22   | 55 | 15 | 123 E  | G-5310-F/MD |
|                 | P15/10R/HSR      | 20 | 27,5 | 60 | 15 | 1299 E | G-5315-F/MD |
|                 | P-16             | 22 | 32   | 66 | 16 | 1323 E | G-5316-F/MD |
|                 | Nr.2A            | 25 | 34   | 65 | 15 | 144 E  | G-5320-F/MD |
|                 | Nr.2AR           | 30 | 38   | 65 | 15 | 1446 E | G-5324-F/MD |
|                 | P-25             | 32 | 40   | 65 | 15 | 1473 E | G-5325-F/MD |
| <b>PONGRACZ</b> | Siplomat 12      | 20 | 26   | 54 | 15 | 136 E  | G-1512-F/MD |
|                 | L 20/L 25        | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
| <b>PRAWEMA</b>  | PN 125           | 22 | 30   | 55 | 15 | 140 E  | G-1716-F/MD |
|                 | LZ 140           | 35 | 48   | 80 | 15 | 163 E  | G-1524-F/MD |
|                 | RDA 25           | 42 | 55   | 94 | 15 | 171 E  | G-1530-F/MD |
| <b>RAMBOLD</b>  | RH 12/RD 13      | 15 | 21   | 64 | 16 | 120 E  | G-3510-F/MD |
|                 | RH 26            | 32 | 45   | 75 | 15 | 161 E  | G-4125-F/MD |
|                 | RH 42            | 48 | 60   | 94 | 15 | 173 E  | G-1742-F/MD |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
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**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

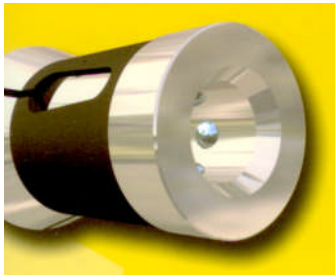
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|--------------------|------------------|----|----|------|----|--------|-------------|
| <b>SAIC</b>        | C 12             | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | C 16             | 14 | 18 | 46   | 13 | 117 E  | G-3410-F/MD |
|                    | 20/22            | 27 | 38 | 72,7 | 15 | 147 E  | G-3420-F/MD |
|                    | B 26             | 32 | 45 | 75   | 15 | 161 E  | G-4125-F/MD |
|                    | A 30             | 35 | 48 | 80   | 15 | 163 E  | G-1524-F/MD |
| <b>STAR</b>        | JNC/SNC 10DX     | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | RNC 10           | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | VCN 12           | 20 | 28 | 67   | 16 | 138 E  | G-3515-F/MD |
|                    | SNC 15/RNC 16    | 20 | 28 | 67   | 16 | 138 E  | G-3515-F/MD |
|                    | JNC 16/SNC 15 DX | 20 | 28 | 67   | 16 | 138 E  | G-3515-F/MD |
|                    | KJR 16           | 20 | 28 | 67   | 16 | 138 E  | G-3515-F/MD |
|                    | KNC 16-20        | 25 | 35 | 77   | 16 | 145 E  | G-3520-F/MD |
|                    | VNC 20           | 25 | 35 | 77   | 16 | 145 E  | G-3520-F/MD |
|                    | SNC 25DX         | 34 | 44 | 80   | 16 | 1497 E | G-3528-F/MD |
|                    | KNC/JNC 25-32    | 37 | 47 | 92   | 16 | 1536 E | G-3530-F/MD |
|                    | VCN 32           | 37 | 47 | 92   | 16 | 1536 E | G-3530-F/MD |
| <b>STEINHAUSER</b> | D 12,5/16        | 20 | 26 | 54   | 15 | 136 E  | G-1512-F/MD |
|                    | D 16/20          | 25 | 31 | 54   | 15 | 143 E  | G-1516-F/MD |
|                    | ST 28            | 35 | 48 | 80   | 15 | 163 E  | G-1524-F/MD |
|                    | D35 STF25/36K    | 42 | 55 | 94   | 15 | 171 E  | G-1530-F/MD |
|                    | D36 B52          | 48 | 60 | 94   | 15 | 173 E  | G-1742-F/MD |
| <b>STROHM</b>      | M-45             | 8  | 12 | 42   | 16 | 101 E  | G-3555-F/MD |
|                    | M-75             | 10 | 16 | 46   | 20 | 109 E  | G-47-F2/MD  |
|                    | M-105/125        | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | M-205            | 25 | 35 | 77   | 16 | 145 E  | G-3520-F/MD |
|                    | M-255            | 30 | 42 | 80   | 16 | 157 E  | G-3525-F/MD |
| <b>TEIXIDO</b>     | A-10             | 15 | 21 | 63   | 16 | 120 E  | G-3510-F/MD |
|                    | A-14             | 18 | 24 | 64   | 16 | 1248 E | G-3914-F/MD |
|                    | A-25             | 32 | 45 | 75   | 15 | 161 E  | G-4125-F/MD |
| <b>TOBRE</b>       | 10               | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | 16               | 22 | 32 | 66   | 16 |        | G-5316-F/MD |
|                    | 20               | 25 | 35 | 77   | 16 | 145 E  | G-3520-F/MD |
| <b>TONSHOFF</b>    | RH/RPU/RPH 18    | 28 | 38 | 70   | 15 | 148 E  | G-1722-F/MD |
|                    | RH/RPU 25        | 35 | 43 | 70   | 15 | 162 E  | G-1525-F/MD |
|                    | RPU 36           | 48 | 60 | 94   | 15 | 173 E  | G-1742-F/MD |
| <b>TORNOS</b>      | BO/M4/TV/T4      | 8  | 12 | 42   | 16 | 101 E  | G-3555-F/MD |
|                    | BO/M6/M7         | 10 | 16 | 46   | 20 | 109 E  | G-47-F2/MD  |
|                    | MS7              | 13 | 19 | 64   | 16 | 116 E  | G-35.7-F/MD |
|                    | N1/M10/R10       | 15 | 21 | 64   | 16 | 120 E  | G-3510-F/MD |
|                    | B2/M13/M14       | 18 | 24 | 64   | 16 | 1248 E | G-3914-F/MD |
|                    | B2/M15/R16       | 20 | 28 | 67   | 16 | 138 E  | G-3515-F/MD |
|                    | DECO 2000/26     | 30 | 38 | 65   | 15 | 1446 E | G-5324-F/MD |
|                    | B3/M20/R20       | 25 | 35 | 77   | 16 | 145 E  | G-3520-F/MD |
|                    | M-25             | 30 | 42 | 80   | 16 | 157 E  | G-3525-F/MD |
|                    | M28/MR28         | 34 | 44 | 80   | 16 | 1497 E | G-3528-F/MD |
|                    | M30/MR32         | 37 | 47 | 92   | 16 | 1536 E | G-3530-F/MD |



**PINZAS DE CABEZAL**  
**PINCES DE POUPEE**  
**BAR COLLETS**  
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**PINZA DI CHIUSURA**

| MARCA TORNO | MODELO | d | D | L | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    |          | Galan code       |

|                          |                |    |    |    |    |        |             |
|--------------------------|----------------|----|----|----|----|--------|-------------|
| <b>TRAUB</b>             | A/TC-15 TD-16  | 22 | 30 | 55 | 15 | 140 E  | G-1716-F/MD |
|                          | A-20           | 28 | 38 | 70 | 15 | 148 E  | G-1722-F/MD |
|                          | A-25/TD-26     | 32 | 45 | 75 | 15 | 161 E  | G-4125-F/MD |
|                          | A-36/TD-36     | 42 | 55 | 94 | 15 | 171 E  | G-1530-F/MD |
|                          | A/TB-42        | 48 | 60 | 94 | 15 | 173 E  | G-1742-F/MD |
| <b>TSUGAMI</b>           | NT-NP 11       | 15 | 21 | 64 | 16 | 120 E  | G-3510-F/MD |
|                          | NT-NP 16/17    | 22 | 30 | 55 | 15 | 140 E  | G-1716-F/MD |
|                          | NT-NP 20       | 25 | 35 | 77 | 16 | 145 E  | G-3520-F/MD |
|                          | NT-NP 32       | 37 | 47 | 92 | 16 | 1536 E | G-3530-F/MD |
| <b>UNAMUNO</b>           | TA-15          | 22 | 30 | 55 | 15 | 140 E  | G-1716-F/MD |
|                          | TA-25          | 32 | 45 | 75 | 15 | 161 E  | G-4125-F/MD |
|                          | TA-35          | 42 | 55 | 94 | 15 | 171 E  | G-1530-F/MD |
| <b>WEISSER</b>           | Shone Optor 20 | 28 | 38 | 70 | 15 | 148 E  | G-1722-F/MD |
|                          | Shone Unventor | 35 | 48 | 80 | 15 | 163 E  | G-1524-F/MD |
|                          | PO/RO 40       | 48 | 60 | 94 | 15 | 173 E  | G-1742-F/MD |
| <b>WIRTH&amp;GRUFFAT</b> | 12             | 15 | 21 | 64 | 16 | 120 E  | G-3510-F/MD |
|                          | 20             | 26 | 32 | 67 | 13 | 146 E  | G-420-F/MD  |



# ¿Problemas para cargar barras hexagonales y cuadradas en automáticos?

Mediante un **sistema patentado** de bolas, que se acoplan en el interior de cualquier tipo de pinza (nueva o usada), conseguimos la carga del **100%** de las barras, evitando así las paradas no programadas del torno.

Desarrollada para optimizar sus trabajos con barras hexagonales y cuadradas.

Cuando cada segundo cuenta para la productividad, la innovación y adaptabilidad de nuestro producto se traduce en:

## Beneficios

### PRODUCTIVIDAD SIN LÍMITES!

- Optimice su tiempo de carga automática
- Se acopla en sus propias pinzas

**CONSÚLTENOS!!**



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**GALAN**

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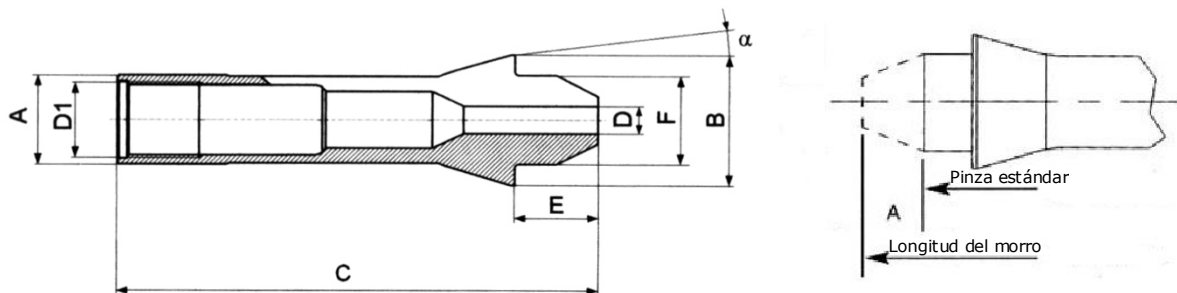
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[iegalan@iegalan.com](mailto:iegalan@iegalan.com)

\* PINZAS  
\* HERRAMIENTAS  
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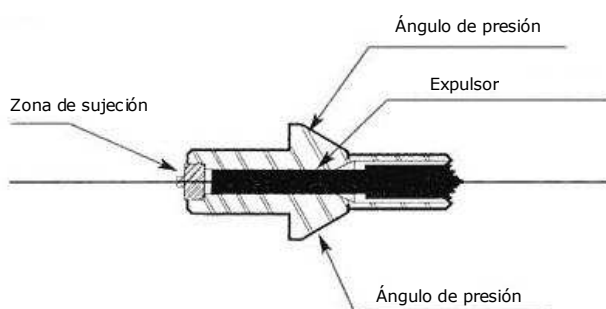
# PINZAS CON MORRO ALARGADO PARA LAS OPERACIONES DE REPRIX



¿Problemas de reprix con las pinzas estándar? ¿Demasiado cortas?

Dificultades resueltas con las nuevas pinzas con "morro alargado" Galán, para operaciones de reprix. Ganarán mayor eficacia, rapidez y precisión. Estarán disponibles próximamente como estándar y cubrirán una amplia gama de modelos y perfiles.

| Referencia | A     | B  | C   | E    | F  | $\alpha$ | D min - max |
|------------|-------|----|-----|------|----|----------|-------------|
| G-3510-FML | 15    | 21 | 71  | 13   | 15 | 16°      | 0.3 - 11.0  |
| G-1512-FML | 20    | 26 | 62  | 13   | 19 | 15°      | 0.5 - 15.0  |
| G-3515-FML | 20    | 28 | 75  | 15   | 21 | 16°      | 0.5 - 16.0  |
| G-1722-FML | 30    | 38 | 79  | 20   | 32 | 15°      | 0.5 - 25.4  |
| G-324-FML  | 35    | 43 | 90  | 27   | 34 | 15°      | 4.0 - 27.7  |
| G-3530-FML | 37    | 47 | 107 | 25   | 40 | 16°      | 1.0 - 32.0  |
| G-1732-FML | 38,08 | 49 | 123 | 24,5 | 38 | 15°      | 1.0 - 32.0  |
| G-1742-FML | 48    | 60 | 113 | 28   | 50 | 15°      | 2.0 - 42.0  |



Generalmente las pinzas para pick-up sujetan piezas cortas, que solamente se apoyan en la parte delantera de la cavidad de la pinza. Con toda la fuerza de sujeción en el ángulo de la pinza -que es una distancia considerable desde la parte trasera-, esta empieza a deformarse bajo el ángulo. En ese momento, el agujero pierde su paralelismo y deja de sujetar la pieza, lo que provoca la excentricidad y el deslizamiento de la misma. Cuando esto sucede, la reacción natural es incrementar la presión de sujeción. Finalmente, la pinza se rompe.

Otro problema peculiar en las operaciones de pick-up es el cierre de la pinza sin pieza, lo que provoca, al no tener resistencia interna, un exceso de presión sobre las paredes de la pinza que también pueden contribuir al fracaso de su función.

Para evitar estos problemas y siempre que sea posible, rebaje el diámetro del expulsor 0,15 mm por debajo del diámetro de la pieza y deje un espacio de 3 mm en el hueco interior trasero de la parte de sujeción de la pinza.

## Además...

En los casos de necesidad urgente de diámetros especiales o pinzas con rebajes para la sujeción de piezas en segundas operaciones para series cortas, la utilización de pinzas de emergencia templadas a Max.45 Rc. Permiten el mecanizado a los diámetros deseados en la misma máquina.

La pinza está acabada a medida exteriormente, y para su mecanizado se introduce en su alojamiento como una pinza normal con el porta pinzas abierto, se coloca la tapa y antes de cerrar el porta pinzas se introducen las tres varillas en los agujeros de las ranuras, seguidamente se cierra el porta pinzas y se procede al mecanizado del agujero deseado.



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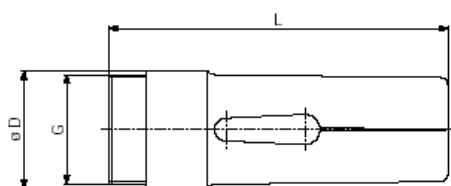
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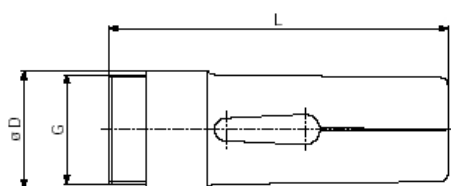
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**PINZAS DE AVANCE**  
**PINCES D'AVANCE**  
**FEED FINGERS**  
**VORSCHUBZANGEN**  
**PINZA DI AVANZAMENTO**

| MARCA TORNO | MODELO | d | D | ROSCA  | EINHEITS | Referencia Galán |
|-------------|--------|---|---|--------|----------|------------------|
| MACHINE     | MODEL  |   |   | THREAD |          | Galan code       |

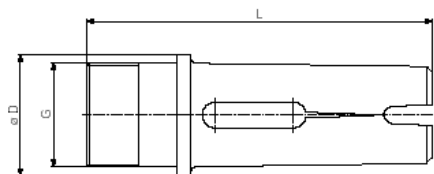
|                         |             |       |       |                 |        |           |
|-------------------------|-------------|-------|-------|-----------------|--------|-----------|
| <b>BROWN&amp;SHARPE</b> | 00          | 12,3  | 63,5  | 27/64x32h izq   | 201 E  | G-4010-A  |
|                         | 00 A        | 13,84 | 63,5  | 1/2x32h izq     |        | G-4012-A  |
|                         | 10          | 16    | 74,6  | 9/16x32h izq    | 2119 E | G-4016-A  |
|                         | 10 A        | 16,9  | 74,6  | 5/8x32h izq     |        | G-4018-A  |
|                         | 10 AA       | 25,2  | 87,3  | 13/16x20h izq   |        | G-4022-A3 |
|                         | 11 A        | 22    | 87,3  | 13/16x20h izq   |        | G-4022-A  |
|                         | 21          | 25,1  | 111,1 | 13/16x20h izq   |        | G-4025-A  |
|                         | 21 A        | 25,1  | 135   | 15/16x20h izq   |        | G-4028-A  |
|                         | 22          | 32,5  | 152,4 | 1 3/16x20h izq  | 238 E  | G-1732-A  |
|                         | 22 A        | 36,2  | 165,1 | 1 5/16x20h izq  |        | G-4040-A  |
|                         | 22 D        | 45,7  | 152,4 | 1 11/16x20h izq |        | G-4048-A  |
|                         | 22 DD       | 47,3  | 187,3 | 1 13/16x20h izq |        | G-4050-A  |
|                         | 22 H        | 38,1  | 152,4 | 1 7/16x20h izq  |        | G-4052-A  |
|                         | 60A         | 60    | 140   | 58x1 izq        | 273 E  | G-1560-A  |
| <b>Norma DIN</b>        | DIN 6344-18 | 18    | 70    | 16x1 izq        | 207 E  | G-1716-A  |
|                         | DIN 6344-24 | 24    | 85    | 22x1 izq        | 220 E  | G-1722-A  |
|                         | DIN 6344-30 | 30    | 95    | 28x1 izq        | 236 E  | G-1524-A  |
|                         | DIN 6344-42 | 42    | 116   | 40x1 izq        | 254 E  | G-1742-A  |
|                         | DIN 6344-60 | 60    | 140   | 58x1 izq        | 273 E  | G-1560-A  |
| <b>INDEX</b>            | ON/OR-8     | 14    | 64    | 12,7x32h izq    | 201 E  | G-1510-A  |
|                         | ON/OR-12    | 18    | 70    | 16x1 izq        | 207 E  | G-1716-A  |
|                         | 12/DG-12    | 18    | 70    | 16x1 izq        | 207 E  | G-1716-A  |
|                         | ON/OR-16    | 21,5  | 70    | 20x1 izq        | 217 E  | G-1512-AR |
|                         | 18/C-19     | 24    | 85    | 22x1 izq        | 220 E  | G-1722-A  |
|                         | 24/C29/B30  | 30    | 95    | 28x1 izq        | 236 E  | G-1524-A  |
|                         | E/ER-26     | 30    | 95    | 28x1 izq        | 236 E  | G-1524-A  |
|                         | 25          | 31    | 90    | 29x1 izq        | 237 E  | G-1528-A  |
|                         | 36/B-42     | 42    | 116   | 40x1 izq        | 254 E  | G-1742-A  |
|                         | E/ER-42     | 42    | 116   | 40x1 izq        | 254 E  | G-1742-A  |
|                         | 52/B-60     | 60    | 140   | 58x1 izq        | 273 E  | G-1560-A  |
| <b>LOGOS</b>            | 18          | 23    | 85    | 22x1 izq        | 220 E  | G-1722-A  |
|                         | 24          | 30    | 100   | 28x1 izq        |        | G-3024-A  |
|                         | 30          | 36    | 116   | 34x1 izq        |        | G-3030-A  |
|                         | 42          | 42,5  | 117   | 40x1 izq        |        | G-3042-A  |
|                         | 52          | 54    | 130   | 51x1 izq        |        | G-3052-A  |
|                         | 64          | 63,5  | 140   | 58x1,5 izq      |        | G-3060-A  |
| <b>MANURHIN</b>         | PF/TR 16 B  | 18    | 70    | 16x1 izq        | 207 E  | G-1716-A  |
|                         | PF/TR 22 B  | 23    | 85    | 22x1 izq        | 220 E  | G-1722-A  |
|                         | PF/TR 32 B  | 32,5  | 153   | 30x20h izq      | 238 E  | G-1732-A  |
|                         | PF/TR 42 B  | 42    | 116   | 40x1 izq        | 254 E  | G-1742-A  |
|                         | DECOMAT     | 42    | 116   | 40x1 izq        | 254 E  | G-1742-A  |
|                         | PF/TR 60 B  | 62    | 140   | 60x1 izq        | 2775 E | G-1760-A  |
|                         | Combimat 60 | 62    | 140   | 60x1 izq        | 2775 E | G-1760-A  |
|                         | TR 65 B     | 75    | 172   | 72x1,5 izq      | 281 E  | G-1765-A  |
|                         | PF 52/80L   | 80    | 150   | 76x1 izq        | 2915 E | G-1780-A  |
|                         | Combinat 80 | 80    | 150   | 76x1 izq        | 2915 E | G-1780-A  |



**PINZAS DE AVANCE**  
**PINCES D'AVANCE**  
**FEED FINGERS**  
**VORSCHUBZANGEN**  
**PINZA DI AVANZAMENTO**

| MARCA TORNO | MODELO | d | D | ROSCA  | EINHEITS | Referencia Galán |
|-------------|--------|---|---|--------|----------|------------------|
| MACHINE     | MODEL  |   |   | THREAD |          | Galan code       |

|                    |                |      |     |             |        |                  |
|--------------------|----------------|------|-----|-------------|--------|------------------|
| <b>PONGRACZ</b>    | L10            | 15,5 | 74  | 14x32 izq   | 2119 E | <b>G-1710-A</b>  |
|                    | Siplomat 12    | 18   | 70  | 16x1 izq    | 207 E  | <b>G-1716-A</b>  |
|                    | P16            | 24   | 85  | 22x1 izq    | 220 E  | <b>G-1722-A</b>  |
|                    | L20/25 P26     | 31   | 90  | 29x1 izq    | 237 E  | <b>G-1528-A</b>  |
|                    | L36/42         | 42   | 116 | 40x1 izq    | 254 E  | <b>G-1742-A</b>  |
| <b>SKODA-MAS</b>   | A-12           | 19,8 | 63  | 16x0,75     |        | <b>G-2412-A</b>  |
|                    | A-20           | 26   | 88  | 24x1        |        | <b>G-2420-A</b>  |
|                    | A-20 A         | 29   | 90  | 27x1 izq    |        | <b>G-2422-A</b>  |
|                    | A-25           | 31   | 90  | 29x1        | 237 E  | <b>G-1528-A</b>  |
|                    | A-32           | 42   | 116 | 40x1        | 254 E  | <b>G-1742-A</b>  |
|                    | A-40           | 46   | 123 | 43x0,75 izq |        | <b>G-2440-A</b>  |
| <b>STEINHAUSER</b> | D 12,5/16      | 18   | 70  | 16x1 izq    | 207 E  | <b>G-1716-A</b>  |
|                    | D 16/20        | 20,9 | 70  | 20x1 izq    | 217 E  | <b>G-1512-AE</b> |
|                    | D 30           | 30   | 95  | 28x1 izq    | 236 E  | <b>G-1524-A</b>  |
|                    | D 60           | 60   | 140 | 58x1 izq    | 273 E  | <b>G-1560-A</b>  |
| <b>TAREX</b>       | TAR-L32B       | 32,5 | 152 | 30x20h izq  | 238 E  | <b>G-1732-A</b>  |
|                    | TAR-42/L42     | 42   | 116 | 40x1 izq    | 254 E  | <b>G-1742-A</b>  |
|                    | MINITAR        | 42   | 116 | 40x1 izq    | 254 E  | <b>G-1742-A</b>  |
|                    | TAR-52/L-52    | 52   | 116 | 50x1 izq    | 260 E  | <b>G-2952-A</b>  |
|                    | TAR-60/TAR N60 | 60   | 140 | 58x1 izq    | 273 E  | <b>G-1560-A</b>  |
|                    | TAR H64        | 64   | 140 | 62x1,5 izq  | 277 E  | <b>G-2964-A</b>  |
|                    | TAR H75        | 75   | 172 | 72x1,5 izq  | 281 E  | <b>G-1765-A</b>  |
|                    | TAR N83/N90B   | 83   | 170 | 81x1,5 izq  | 294 E  | <b>G-2983-F</b>  |
|                    | TAR H90        | 89   | 189 | 85x1,5 izq  | 291 E  | <b>G-2990-A</b>  |
| <b>TONSHOFF</b>    | RH/RPU/RPH 18  | 24   | 85  | 22x1 izq    | 220 E  | <b>G-1722-A</b>  |
|                    | RH/RPU 25      | 31   | 90  | 29x1 izq    | 237 E  | <b>G-1528-A</b>  |
|                    | RPU 42         | 42   | 116 | 40x1 izq    | 254 E  | <b>G-1742-A</b>  |
|                    | RPU 60         | 60   | 140 | 58x1 izq    | 273 E  | <b>G-1560-A</b>  |
| <b>TRAUB</b>       | TNM42          | 51,1 | 172 | 48x1,5      | 9372 E | <b>G-4640-A</b>  |
|                    | TNM65          | 78   | 191 | 72x1,5      |        | <b>G-3465-A</b>  |



**PINZAS DE AVANCE EXTERNO**  
**PINCES D'AVANCE EXTERIEURES**  
**OUTSIDE FEED FINGERS**  
**AUSSENVORSCHUB**  
**PINZA DI AVANZAMENTO ESTERNO**

| MARCA TORNO | MODELO | d | D | ROSCA  | EINHEITS | Referencia Galán |
|-------------|--------|---|---|--------|----------|------------------|
| MACHINE     | MODEL  |   |   | THREAD |          | Galan code       |

|                 |             |     |     |         |        |                  |
|-----------------|-------------|-----|-----|---------|--------|------------------|
| <b>INDEX</b>    | 24/C29/B30  | 42  | 120 | 36x1,5  | 242 E  | <b>G-1524-AE</b> |
|                 | 36/B-42     | 56  | 138 | 50x1,5  | 259 E  | <b>G-1742-AE</b> |
|                 | 52/B-60     | 68  | 138 | 68x1,5  | 278 E  | <b>G-1760-AE</b> |
| <b>LOGOS</b>    | 42          | 56  | 138 | 50x1,5  | 259 E  | <b>G-1742-AE</b> |
|                 | 52          | 70  | 158 | 60x1,25 |        | <b>G-3052-AE</b> |
| <b>MANURHIN</b> | PF/TR 32B   | 42  | 120 | 36x1,5  | 242 E  | <b>G-1524-AE</b> |
|                 | PF/TR 36/42 | 56  | 138 | 50x1,5  | 259 E  | <b>G-1742-AE</b> |
|                 | PF 60B      | 68  | 138 | 68x1,5  | 278 E  | <b>G-1760-AE</b> |
|                 | PF 65B      | 90  | 163 | 90x1,5  | 292 E  | <b>G-1765-AE</b> |
|                 | 52/80L      | 96  | 136 | 90x1,5  | 2922 E | <b>G-1780-AE</b> |
|                 | Combinat 80 | 96  | 136 | 90x1,5  | 2922 E | <b>G-1780-AE</b> |
| <b>TAREX</b>    | TAR-32L     | 50  | 136 | 40x1,5  | 253 E  | <b>G-2932-AE</b> |
|                 | TAR-42 L42B | 56  | 138 | 50x1,5  | 259 E  | <b>G-1742-AE</b> |
|                 | TAR-52      | 68  | 138 | 68x1,5  | 274 E  | <b>G-2952-AE</b> |
|                 | TAR-60/64H  | 75  | 143 | 68x1,5  | 278 E  | <b>G-1760-AE</b> |
|                 | TAR H-64    | 85  | 160 | 80x1,5  | 280 E  | <b>G-2964-AE</b> |
|                 | TAR H-75    | 110 | 163 | 90x1,5  | 292 E  | <b>G-2975-AE</b> |
|                 | TAR H-90    | 130 | 172 | 105x1,5 | 293 E  | <b>G-2990-AE</b> |
| <b>TONSHOFF</b> | RH/RPU 25   | 42  | 120 | 36x1,5  | 242 E  | <b>G-1524-AE</b> |
|                 | RPU 42      | 56  | 138 | 50x1,5  | 259 E  | <b>G-1742-AE</b> |
|                 | RPU 60      | 75  | 138 | 68x1,5  | 278    | <b>G-1760-AE</b> |

**Para tornos monohusillos, multihusillos y cargadores de barras.**

## Características principales:

- No marcan
- Cualquier diámetro
- Cualquier perfil
- Sin posibilidad de arrastres cortos

Sistema utilizado por centenares de empresas en Europa, Reino Unido, Norte América y Sudamérica

El polímero de goma interior es muy elástico y se taladra por el usuario para satisfacer el tamaño de la barra a utilizar. Se utilizará un agujero redondo para todos los perfiles de barra, hexagonal, cuadrado, rectangular, etc. Estos agujeros pueden re-taladrarse para un tamaño más grande después del uso inicial.

Disponible para tornos Wickman, Gridley, Brown & Sharpe, Index, BSA, New Britain, Davenport, Shutte, Iemca, Cucchi, FMB, Tornos, Alps. (Solicite lista completa a su comercial para conocer los modelos disponibles)



## Instrucciones de trabajo

- Para lograr un resultado óptimo, el taladro debe realizarse de una manera muy precisa, evitando el acaloramiento, ya que puede variar el funcionamiento de la pinza y el tamaño final del agujero. El uso de barras no-biseladas reducirá enormemente la vida del polímero.

## Diámetros del taladro

- **Para barra redonda:** Se recomienda que el taladro en el polímero de goma sea aproximadamente 0,5 mm más pequeño que la barra a utilizar.
- **Para barra hexagonal, cuadrada y rectangular:** Se recomienda que el taladro sea aproximadamente de 0,7 mm más pequeño que la distancia entre vértices opuestos.

## Ciclo del taladrado

- Las condiciones de trabajo en el taladrado debe realizarse a una r.p.m. alta con una proporción lenta del avance. El uso brocas tipo FN (tipo "gusano") dará mejores resultados. El mismo procedimiento debe seguirse para agrandar el diámetro para una barra mayor
- Recuerde, el cuidado tomado durante el proceso de taladrado asegurará la vida de la pinza y un funcionamiento más eficaz.

## Para tornos monohusillos

| Referencia        | Módulo de máquina                                                                                                                     | Capacidad máxima |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>GPG-1732-A</b> | <b>Brown &amp; Sharpe 22</b>                                                                                                          | <b>25,40 mm</b>  |
| <b>GPG-1716-A</b> | <b>Index 12 (OR)<br/>Norma DIN 6344-18<br/>Manurhin PF/TR 16 B<br/>Pongracz Siplomat 12<br/>Steinhauser D 12,5/16</b>                 | <b>12,00 mm</b>  |
| <b>GPG-1722-A</b> | <b>Index 18 (C19)<br/>Norma DIN 6344-24<br/>Logos 18<br/>Manurhin PF/TR 22 B<br/>Pongracz P16<br/>Tonshoff RH/RPU/RPH</b>             | <b>17,00 mm</b>  |
| <b>GPG-1524-A</b> | <b>Index 24 (B30) (C29)<br/>Norma DIN 6344-30<br/>Steinhauser D30</b>                                                                 | <b>24,50 mm</b>  |
| <b>GPG-1528-A</b> | <b>Index 25<br/>Pongracz L20/25 P26<br/>Tonshoff RH/RPU 25</b>                                                                        | <b>25,00 mm</b>  |
| <b>GPG-1742-A</b> | <b>Index 36 (B42)<br/>Index E/ER42<br/>Norma DIN 6344-42<br/>Manurhin Decomat<br/>Pongracz L36/42<br/>Skoda-Mas A-32<br/>Tarex 42</b> | <b>34,00 mm</b>  |
| <b>GPG-1560-A</b> | <b>Index 52 (B60) (2B)<br/>Norma DIN 6344-60<br/>Tarex 60</b>                                                                         | <b>52,00 mm</b>  |

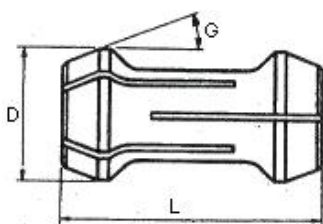
### Características principales:

- No marcan
- Cualquier diámetro
- Cualquier perfil
- Sin posibilidad de arrastres cortos

Sistema utilizado por centenares de empresas en Europa, Norte América y Sudamérica

El polímero de goma interior es muy elástico y se taladra por el usuario para satisfacer el tamaño de la barra a utilizar. Se utilizará un agujero redondo para todos los perfiles de barra, hexagonal, cuadrado, rectangular, etc. Estos agujeros pueden re-taladrarse para un tamaño más grande después del uso inicial.

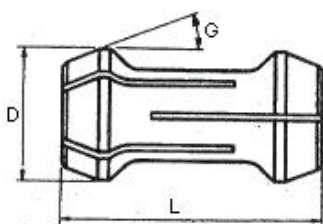




**PINZAS DE DOBLE CONO**  
**PINCES DE DOUBLE CONE**  
**DOUBLE TAPER COLLETS**  
**COPEL KONUS SPANNSANGEN**  
**PINZA DOPPIO CONO**

| MARCA TORNO | MODELO | d | D | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |    |          | Galan code       |

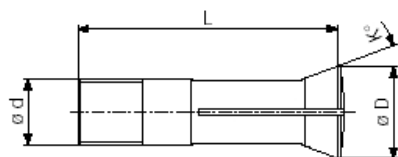
|                   |                |      |     |      |         |            |
|-------------------|----------------|------|-----|------|---------|------------|
| <b>BECHET</b>     | RM 10          | 17   | 54  | 17,3 | 8529 E  | G-410-F2C  |
|                   | RM 3268        | 43   | 68  | 20   |         | G-47-F2C   |
|                   | RM 1055        | 22   | 50  | 25   | 8578 E  | G-455-F2C  |
|                   | RM 15          | 25,5 | 50  | 14   | 8639 E  | G-415-F2C  |
|                   | RM 19          | 31   | 55  | 14   | 8686 E  | G-419-F2C  |
|                   | RM 25          | 40   | 75  | 20   | 8789 E  | G-425-F2C  |
|                   | RM/TCN 32      | 43   | 68  | 14   | 8810 E  | G-432-F2C  |
| <b>BECHLER</b>    | B/BR-20        | 32   | 68  | 14,3 | 8689 E  | G-420-F2C  |
| <b>BODEM</b>      | 46             | 60   | 80  | 17   | 8003 EC | G-2760-F   |
| <b>BOLEY</b>      | RD25-4HR-SR26  | 35   | 85  | 17,3 | 869 E   | G-4126-F2C |
| <b>BIGLIA</b>     | 110-130-131 45 | 60   | 80  | 17   | 8003 EC | G-2760-F   |
|                   | 110-130-131 56 | 71,6 | 100 | 18   |         | G-2770-F   |
|                   | 110-130-131 70 | 90   | 100 | 100  |         | G-2790-F   |
| <b>CABALLERIA</b> | TR-30          | 43,6 | 83  | 20   |         | G-2730-F   |
|                   | TR-35          | 48   | 90  | 20   |         | G-2735-F   |
|                   | TR-40          | 53   | 90  | 20   |         | G-2740-F   |
| <b>CANMA</b>      | TA-30          | 43,6 | 83  | 20   |         | G-2730-F   |
|                   | TA-42          | 53   | 90  | 20   |         | G-2740-F   |
| <b>CASER</b>      | TA-26          | 34   | 55  | 17,3 | 8001 EC | G-4126-F2C |
|                   | TA-30          | 42   | 82  | 17   |         | G-1524-F2C |
|                   | TA-46          | 60   | 80  | 17   |         | G-1746-F2C |
|                   | TA-50          | 70   | 80  | 16   |         | G-2952-F2C |
| <b>DANOBAT</b>    | Danocopy-42    | 58   | 90  | 20   |         | G-1145-F   |
|                   | Danomatic-51   | 68   | 115 | 18   |         | G-1150-F   |
|                   | Danocopy-51    | 68   | 115 | 18   |         | G-1150-F   |
|                   | Imematic 50/60 | 78   | 130 | 18   |         | G-1160-F   |
|                   | Danomatic-63   | 88   | 130 | 18   |         | G-1170-F   |
|                   | Danocopy-63    | 88   | 130 | 18   |         | G-1170-F   |
| <b>IRALAG</b>     | TA-25          | 38   | 83  | 20   |         | G-2725-F   |
|                   | TA-30          | 43,6 | 83  | 20   |         | G-2730-F   |
|                   | TA-35          | 48   | 90  | 20   |         | G-2735-F   |
|                   | TA-40          | 53   | 90  | 20   |         | G-2740-F   |
|                   | TA-45          | 58   | 90  | 20   |         | G-1145-F   |
|                   | TA-50          | 68   | 115 | 18   |         | G-1150-F   |
|                   | TA-60          | 78   | 130 | 18   |         | G-1160-F   |
|                   | TA-70          | 84   | 130 | 18   |         | G-1170-F   |
|                   | TA-95          | 112  | 130 | 18   |         | G-1195-F   |
| <b>JATOR</b>      | J-30-165       | 42   | 86  | 20   |         | G-2630-F   |
|                   | J-35-175       | 50   | 86  | 20   |         | G-2635-F   |
|                   | J-40-180       | 53   | 90  | 20   |         | G-2740-F   |
|                   | J-50-180       | 62   | 90  | 20   |         | G-2650-F   |



**PINZAS DE DOBLE CONO**  
**PINCES DE DOUBLE CONE**  
**DOUBLE TAPER COLLETS**  
**COPEL KONUS SPANNSANGEN**  
**PINZA DOPPIO CONO**

| MARCA TORNO | MODELO | d | D | G° | EINHEITS | Referencia Galán |
|-------------|--------|---|---|----|----------|------------------|
| MACHINE     | MODEL  |   |   |    |          | Galan code       |

|                 |               |      |      |      |         |            |
|-----------------|---------------|------|------|------|---------|------------|
| <b>MANURHIN</b> | TR-16 B       | 25   | 60   | 25   | 8617 E  | G-1716-F2C |
|                 | PF/TR-22      | 32   | 70   | 20   | 8692 E  | G-1722-F2C |
|                 | KMX 26        | 40   | 75   | 20   | 8789 E  | G-1725-F2C |
|                 | PF/TR-32      | 50   | 100  | 20   | 8848 E  | G-1732-F2C |
|                 | PF/TR-42      | 59   | 120  | 20   | 8890 E  | G-1742-F2C |
|                 | Combimat 42   | 59   | 120  | 20   | 8890 E  | G-1742-F2C |
|                 | Acop. D/C     | 85   | 100  | 20   |         | G-2668-F   |
|                 | Decomat 42    | 59   | 120  | 20   | 8890 E  | G-1742-F2C |
|                 | MAX 60        | 78   | 130  | 18   | 8923 E  | G-1760-F2C |
|                 | Decomat 60    | 78   | 130  | 18   | 8923 E  | G-1760-F2C |
|                 | MAX 65        | 83   | 130  | 18   | 8925 E  | G-1765-F2C |
| <b>SAIC</b>     | B-26          | 34   | 55   | 17,3 | 8001 EC | G-2726-F   |
|                 | B-26          | 34,5 | 74   | 25   | 8002 EC | G-2726-F2  |
|                 | A-30          | 40,5 | 75   | 25   |         | G-2730-F   |
|                 | B-45          | 60   | 60   | 17   | 8003 EC | G-2760-F   |
| <b>STROHM</b>   | M105/125      | 19   | 55   | 25   |         | G-3510-F2C |
| <b>TARATTE</b>  | B-0           | 17   | 45,5 | 22,3 | 8531 E  | G-520-F2C  |
|                 | B-12          | 22   | 56   | 22,5 | 8580 E  | G-5212-F2C |
|                 | B-16          | 31   | 72,5 | 20   | 8675 E  | G-5216-F2C |
| <b>TEIXIDO</b>  | A-14          | 22   | 50   | 18   |         | G-3914-F2C |
| <b>TORNOS</b>   | M-10          | 17   | 36   | 20   | 8533 E  | G-3510-F2C |
|                 | R-10          | 19   | 36   | 20   | 8545 E  | G-3511-F2C |
|                 | B-2/M-15/M-16 | 25,5 | 50   | 14   | 8639 E  | G-3515-F2C |
|                 | M/R/PR-20     | 31   | 24   | 14   | 8686 E  | G-3520-F2C |
|                 | M-25          | 35   | 60   | 15   | 8731 E  | G-3525-F2C |
|                 | M-30          | 43   | 68   | 14   | 8810 E  | G-3530-F2C |
| <b>TRAUB</b>    | A/TC-25       | 35   | 84   | 20   |         | G-4125-F2C |
|                 | A/TB-25       | 35,5 | 74   | 25   |         | G-4126-F2C |
|                 | TD-26         | 35,5 | 74   | 25   |         | G-4126-F2C |
|                 | TB-30         | 42   | 82   | 17   |         | G-4130-F2C |
|                 | TNL 32        | 42   | 50   | 22,3 |         | G-4132-F2C |
|                 | A/TB-42       | 53   | 90   | 20   |         | G-2740-F   |
|                 | A-45          | 60   | 80   | 17   |         | G-4145-F2C |
|                 | A/TB-60       | 71,6 | 100  | 18   |         | G-2960-F2C |
| <b>UNAMUNO</b>  | A-15          | 22   | 50   | 18   |         | G-3914-F2C |
|                 | A-25          | 35   | 84   | 20   |         | G-4125-F2C |

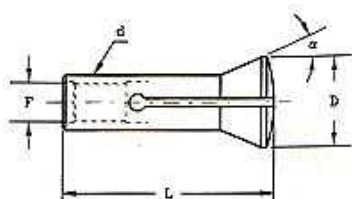


**PINZAS DE CONTRAPUNTA**  
**PINCES DE CONTRAPOINTE**  
**DRILL-COLLETS**  
**BOHRERHALTERZANGEN**  
**PINZA PORTA-UTENSILE**

**PINZAS SIN ROSCA**

| MARCA TORNO    | MODELO       | d | D | L | G° | EINHEITS | Referencia Galán  |
|----------------|--------------|---|---|---|----|----------|-------------------|
| <b>MACHINE</b> | <b>MODEL</b> |   |   |   |    |          | <b>Galan code</b> |

|                       |              |    |      |    |      |        |                 |
|-----------------------|--------------|----|------|----|------|--------|-----------------|
| <b>FEINLER</b>        | FA-10/15     | 8  | 12   | 42 | 16   | 101 E  | <b>G-3555-F</b> |
| <b>GAUTHIER</b>       | GM-105/125   | 8  | 13,7 | 30 | 21,3 | 102 E  | <b>G-43.7-P</b> |
|                       | GM-25        | 20 | 26   | 54 | 15   | 136 E  | <b>G-1412-F</b> |
| <b>INDEX</b>          | O/ON/OR-12   | 6  | 10   | 30 | 15   | 100 E  | <b>G-34.4-P</b> |
|                       | 12/18/25     | 8  | 14   | 35 | 15   | 103 E  | <b>G-1512-P</b> |
|                       | C-19/C-29    | 8  | 14   | 35 | 15   | 103 E  | <b>G-1512-P</b> |
|                       | 24/36/52     | 10 | 16   | 43 | 15   | 110 E  | <b>G-34.7-P</b> |
|                       | B-42/B-60    | 14 | 20   | 44 | 15   |        | <b>G-3410-F</b> |
| <b>MANURHIN</b>       | KMX 20       | 25 | 30   | 34 | 15   | 1372 E | <b>G-1726-P</b> |
|                       | KMX 26       | 25 | 30   | 34 | 15   | 1372 E | <b>G-1726-P</b> |
|                       | KMX 26       | 35 | 40,3 | 46 | 15   |        | <b>G-1730-P</b> |
| <b>STROHM</b>         | M-75/105-125 | 8  | 12   | 42 | 16   | 101 E  | <b>G-3555-F</b> |
|                       | M-205/255    | 15 | 21   | 64 | 16   | 120 E  | <b>G-3510-F</b> |
| <b>TEIXIDO</b>        | A-10/A-14    | 10 | 16   | 40 | 20   | 111 E  | <b>G-47-F</b>   |
|                       | A-25         | 18 | 24   | 65 | 16   | 127 E  | <b>G-3914-F</b> |
| <b>TORNOS-BECHLER</b> | ENC 164      | 20 | 26   | 54 | 15   | 136 E  | <b>G-1512-F</b> |
|                       | ENC 264      | 30 | 42   | 78 | 16   | 157 E  | <b>G-3525-F</b> |
| <b>TRAUB</b>          | A-15/20/25   | 6  | 10   | 30 | 15   | 100 E  | <b>G-34.4-P</b> |
|                       | A-26/36/45   | 10 | 16   | 43 | 15   | 110 E  | <b>G-34.7-P</b> |
|                       | SB-10        | 14 | 20   | 44 | 15   |        | <b>G-3410-F</b> |
| <b>UNAMUNO</b>        | TA-15        | 8  | 12   | 42 | 16   | 101 E  | <b>G-3555-F</b> |

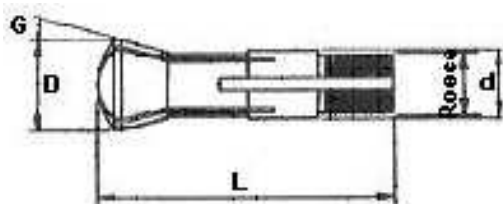


**PINZAS DE CONTRAPUNTA**  
**PINCES DE CONTRAPOINTE**  
**DRILL-COLLETS**  
**BOHRERHALTERZANGEN**  
**PINZA PORTA-UTENSILE**

**PINZAS CON ROSCA TRASERA**

| MARCA TORNO    | MODELO       | d | D | L | G° | ROSCA         | EINHEITS | Referencia Galán  |
|----------------|--------------|---|---|---|----|---------------|----------|-------------------|
| <b>MACHINE</b> | <b>MODEL</b> |   |   |   |    | <b>THREAD</b> |          | <b>Galan code</b> |

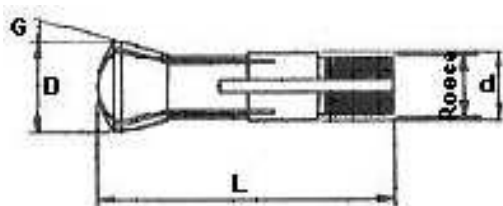
|                  |                |    |      |      |    |          |       |                 |
|------------------|----------------|----|------|------|----|----------|-------|-----------------|
| <b>CAMPORESI</b> | T 15/25        | 15 | 21,5 | 55   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | T 42/60        | 25 | 33,5 | 88   | 16 | 23x1     | 363 E | <b>G-3442-P</b> |
| <b>CASER</b>     | TA 26/30       | 15 | 21,5 | 55   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | TA 42/50       | 25 | 33,5 | 87   | 16 | 23x1,5   |       | <b>G-3425-P</b> |
| <b>CANAVESE</b>  | CG 09/10       | 30 | 40   | 96   | 20 | 25x1,5   |       | <b>G-1730-P</b> |
|                  | FCN 25         | 35 | 44   | 103  | 20 | 32x1,5   |       | <b>G-1742-P</b> |
| <b>FEINLER</b>   | FA-10/15       | 15 | 21,5 | 56   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | FD-25          | 25 | 33,5 | 87,5 | 16 | 23X1     | 363 E | <b>G-3442-P</b> |
| <b>IRALAG</b>    | TA-16          | 16 | 25   | 50   | 15 | 16x19h   |       | <b>G-1116-P</b> |
|                  | TA-25/30/35/40 | 30 | 39   | 173  | 15 | 30x1,5   |       | <b>G-1122-P</b> |
|                  | TA-50/60/70    | 40 | 60   | 250  | 15 | 1 1/4x7h |       | <b>G-1150-P</b> |
| <b>LICO</b>      | 25/30          | 15 | 21,5 | 55   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
| <b>MANURHIN</b>  | PF/TR 16/22    | 12 | 15   | 45,5 | 15 | 12x1,25  | 318 E | <b>G-1722-P</b> |
|                  | 32/42/60       | 20 | 26   | 74,5 | 15 | 20x1,66  | 349 E | <b>G-2315-P</b> |
| <b>TRAUB</b>     | A/TC-15        | 15 | 21,5 | 56   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | A-20/25        | 15 | 21,5 | 56   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | A-36/42        | 25 | 33,5 | 87,5 | 16 | 23x1     | 363 E | <b>G-3442-P</b> |
| <b>UNAMUNO</b>   | TA 15          | 15 | 21,5 | 55   | 20 | 13x1     | 324 E | <b>G-3415-P</b> |
|                  | TA 25          | 25 | 33,5 | 88   | 16 | 23x1     | 363 E | <b>G-3442-P</b> |



**PINZAS CON ROSCA**  
**PINCES AVEC FILETAGE**  
**THREAD COLLETS**  
**GEWINDE SPANNZANGEN**  
**PINZA CON FILETTO**

| MARCA TORNO | MODELO | d | D | L | G° | ROSCA  | EINHEITS | Referencia Galán |
|-------------|--------|---|---|---|----|--------|----------|------------------|
| MACHINE     | MODEL  |   |   |   |    | THREAD |          | Galan code       |

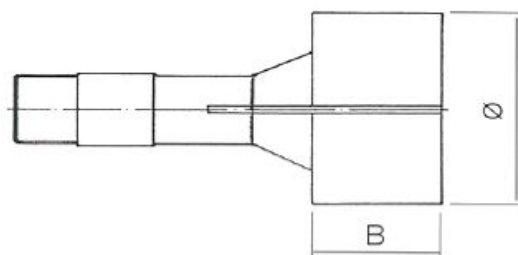
|                  |              |      |       |       |    |           |          |          |
|------------------|--------------|------|-------|-------|----|-----------|----------|----------|
| <b>BODEM</b>     | 26 P         | 35   | 44    | 103   | 20 | 32x1,5    |          | G-4026-P |
| <b>BOLEY</b>     | WW-1/F-1/AM  | 8    | 12,5  | 35    | 20 | 6,9x40h   | 302 E    | G-2345-F |
|                  | BM,AH,BH     | 8    | 12,5  | 35    | 20 | 6,9x40h   | 302 E    | G-2345-F |
|                  | AR 10        | 13   | 16    | 41,5  | 15 | 12,5x0,75 |          | G-4010-P |
|                  | 3B,3EE,BJ,C  | 15   | 21,5  | 56    | 20 | 13x1      | 324 E    | G-3415-P |
|                  | CR,H,HK,PS   | 15   | 21,5  | 56    | 20 | 13x1      | 324 E    | G-3415-P |
|                  | BR 16/20     | 27   | 30    | 57,5  | 12 | 24x1      |          | G-4016-P |
| <b>DECKEL</b>    | FP-1,FP-2,   | 20   | 28    | 123   | 17 | 20x2      | 355 E    | G-6814-F |
|                  | S-O,S-1,LKB  | 20   | 28    | 123   | 17 | 20x2      | 355 E    | G-6814-F |
| <b>ELGO</b>      | KL-26        | 31,7 | 37,3  | 86    | 10 | 31,62x20h | 385 E    | G-4425-F |
| <b>EMCO</b>      | Emcoturn 425 | 31,7 | 37,3  | 86    | 10 | 31,62x20h | 385 E    | G-4425-F |
| <b>HARDINGE</b>  | Conquest G1  | 31,7 | 37,3  | 86    | 10 | 31,62x20h | 385 E/5C | G-4425-F |
|                  | Conquest T42 | 48   | 57,5  | 114,7 | 10 | 47,5x1,75 | 16C      | G-4442-F |
|                  | Conquest T51 | 60,4 | 73,15 | 159   | 10 | 60x1,5    | 20C      | G-4451-F |
|                  | Conquest T65 | 74,4 | 88    | 163   | 10 | 73x1,5    | 25C      | G-4465-F |
| <b>PRAWEMA</b>   | LZT 1        | 8    | 12,5  | 35    | 20 | 6,9x40h   | 302 E    | G-2345-F |
|                  | PN 125       | 15   | 21,5  | 55    | 20 | 13x1      | 324 E    | G-3415-P |
|                  | LZNK 8       | 32   | 45    | 115   | 20 | 32x1,5    | 386 E    | G-1532-P |
| <b>SCHAUBLIN</b> | W-12         | 12   | 16    | 45,5  | 15 | 12x1,25   | 318 E    | G-1722-P |
|                  | W-20         | 20   | 26    | 74,5  | 15 | 20x1,66   | 349 E    | G-2315-F |
|                  | W-25         | 25   | 33,7  | 97    | 15 | 25x15h    | 364 E    | G-2318-F |
| <b>TRAUB</b>     | TNM42        | 62,9 | 78,3  | 157   | 15 | 56x1,5iz  | 9112E    | G-4640-F |
|                  | TNM65        | 89,9 | 115,3 | 174   | 15 | 85x1,5iz  | 9187E    | G-4667-F |



**PINZAS CON ROSCA + MORRO**  
**PINCES AVEC FILETAGE**  
**THREAD HEAD COLLETS**  
**GEWINDE SPANNZANGEN**  
**PINZA CON FILETTO**

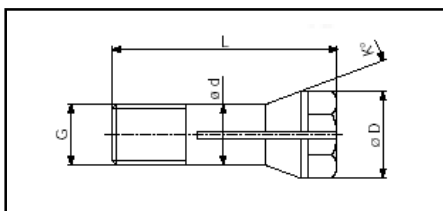
| MODELO | d | D | L | G° | ROSCA  | EINHEITS | Referencia Galán |
|--------|---|---|---|----|--------|----------|------------------|
| MODEL  |   |   |   |    | THREAD |          | Galan code       |

|              |      |      |       |    |             |       |          |
|--------------|------|------|-------|----|-------------|-------|----------|
| W-20         | 20   | 26   | 74,5  | 30 | 20x1,66     | 349 E | G-2315-F |
| B 25 72-841  | 23   | 32   | 86    | 40 | 21,2x1,00   | 358 E | G-2316-F |
| K 23         | 23   | 32   | 93,8  | 40 | Tr 23x1,50  | 359 E | G-2317-F |
| W-25 80-5    | 25   | 33,7 | 97    | 30 | 25x15h      | 364 E | G-2318-F |
| TA 25        | 25   | 33,5 | 89    | 32 | 23x1        | 363 E | G-3442-P |
|              | 28   | 36   | 106,5 | 36 | Tr 27x1/20" | 366 E | G-2319-F |
| K 28         | 28   | 38   | 104,4 | 40 | Tr 28x1,5   | 367 E | G-2320-F |
| Emcoturn 425 | 31,7 | 37,5 | 89    | 20 | 31,45x20h   | 385 E | G-4425-F |

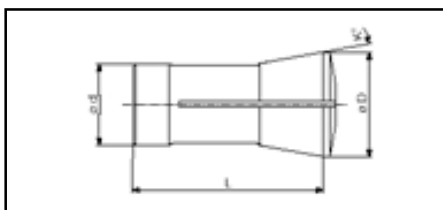


| Medida<br>Ø x B | G-2315-F | G-2316-F | G-2317-F | G-2318-F | G-3442-P | G-2319-F | G-2320-F | G-4425-F |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Siza Ø x B      |          |          |          |          |          |          |          |          |

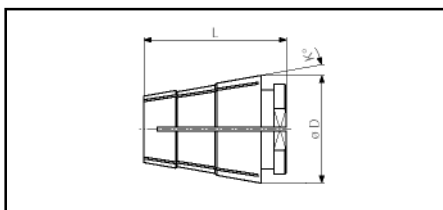
|            |     |     |     |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Ø 40 x 25  | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Ø 40 x 50  | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| Ø 50 x 25  | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| Ø 50 x 50  | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| Ø 75 x 25  |     | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| Ø 75 x 50  |     | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Ø 100 x 25 |     |     |     |     |     | 4.1 | 4.1 | 4.1 |
| Ø 100 x 50 |     |     |     |     |     | 4.2 | 4.2 | 4.2 |



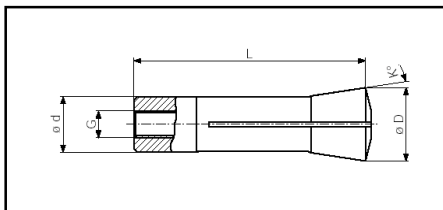
| MODELO<br><i>MODEL</i> | d   | D    | L    | G° | ROSCA<br><i>THREAD</i> | Referencia Galán<br><i>Galan code</i> |
|------------------------|-----|------|------|----|------------------------|---------------------------------------|
| CT-0(1274)             | 7,1 | 10,2 | 30   | 15 | 7x1                    | G-61.4-P                              |
| CT-1(360)              | 9,1 | 13   | 33,5 | 15 | 9x1                    | G-61.5-P                              |



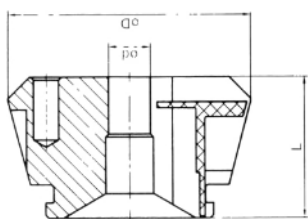
| MODELO<br><i>MODEL</i> | d     | D     | L  | G° | Referencia Galán<br><i>Galan code</i> |
|------------------------|-------|-------|----|----|---------------------------------------|
| CT-2(362)              | 12,85 | 16,2  | 30 | 10 | G-6110-P                              |
| OSSA                   | 9,00  | 12,25 | 30 |    | G-61.7-P                              |



| MODELO<br><i>MODEL</i> | d | D  | L  | G° | Referencia Galán<br><i>Galan code</i> |
|------------------------|---|----|----|----|---------------------------------------|
| GC-2                   |   | 18 | 24 | 10 | G-45-P                                |
| GC-3                   |   | 27 | 42 | 10 | G-45-P/12                             |

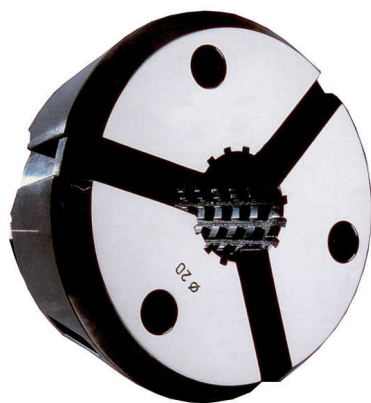


| MODELO<br><i>MODEL</i> | d  | D  | L     | G° | ROSCA<br><i>THREAD</i> | Referencia Galán<br><i>Galan code</i> |
|------------------------|----|----|-------|----|------------------------|---------------------------------------|
| HE-2                   | 16 | 23 | 111,5 | 22 | 16x1                   | G-45-A                                |



**PINZAS TIPO HAINBUCH®**  
**PINCES TYPE HAINBUCH®**  
**TYPE HAINBUCH® COLLETS**  
**SPANNSTAR 32/42/52/65/32SF**  
**PINZA TIPO HAINBUCH®**

| TIPO  | CAPACIDAD      | D     | L  | Aguj. liso  | Ran. circular  | Gran amarre      | Referencia Galán |
|-------|----------------|-------|----|-------------|----------------|------------------|------------------|
| Type  | Clamping range |       |    | Smooth bore | Radial grooves | Radial and axial | Galan code       |
| SK-32 | 6 - 32         | 57,8  | 47 | 6 - 7       | 8 - 11         | 12 - 32          | G-SS32N          |
|       |                |       | 44 | 6 - 32      | -              | -                | G-SS32G          |
| SK-42 | 6 - 42         | 79,3  | 47 | 6 - 7       | 8 - 11         | 12 - 42          | G-SS42N          |
|       |                |       | 42 | 6 - 42      | -              | -                | G-SS42G          |
| SK-52 | 6 - 52         | 79,2  | 46 | 6 - 7       | 8 - 11         | 12 - 52          | G-SS52N          |
|       |                |       | 46 | 6 - 52      | -              | -                | G-SS52G          |
| SK-65 | 6 - 65         | 99,65 | 58 | 6 - 7       | 8 - 11         | 12 - 65          | G-SS65N          |
|       |                |       | 53 | 6 - 65      | -              | -                | G-SS65G          |
| SF-32 | 6 - 32         | 69,7  | 43 | 6 - 32      | 8 - 11         | 12 - 32          | G-SF32N          |



La pinza de sectores vulcanizados tiene un sistema de sujeción por cierre estirado.

Sus principales ventajas son:

- Alta fuerza de sujeción
- Alta precisión
- Cambio rápido

*The vulcanized sector collet has a subjection system for stretched closing.*

*Their principal pluses are:*

*Discharge subjection force*  
*High precision*  
*Quick change*

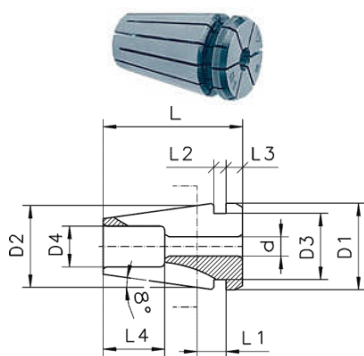


Figura 1

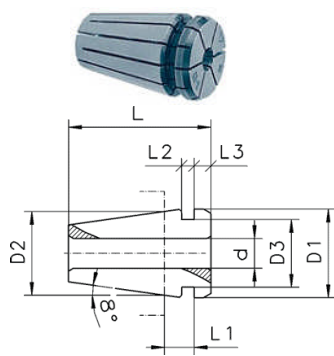


Figura 2

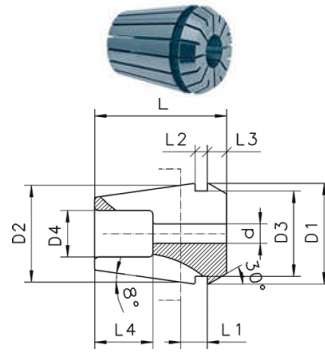


Figura 3

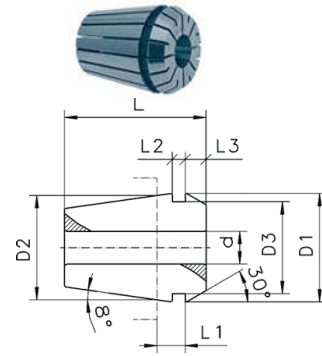


Figura 4

| Tipo  | d (capacidad)<br>[mm] | D1<br>[mm] | D2<br>[mm] | D3<br>[mm] | D4<br>[mm] | L<br>[mm] | L1<br>[mm] | L2<br>[mm] | L3<br>[mm] | L4<br>[mm] | Figura |
|-------|-----------------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|--------|
| ER 8  | 0.5 ... 2.5           | 8.5        | 8.0        | 6.5        | 4.0        | 13.5      | 2.98       | 1.2        | 1.5        | 6.0        | 1      |
| ER 8  | 3.0 ... 5.0           | 8.5        | 8.0        | 6.5        | -          | 13.5      | 2.98       | 1.2        | 1.5        | -          | 2      |
| ER 11 | 0.5 ... 2.5           | 11.5       | 11.0       | 9.5        | 5.0        | 18.0      | 3.80       | 2.0        | 2.5        | 9.0        | 3      |
| ER 11 | 3.0 ... 7.0           | 11.5       | 11.0       | 9.5        | -          | 18.0      | 3.80       | 2.0        | 2.5        | -          | 4      |
| ER 16 | 0.5 ... 2.0           | 17.0       | 16.0       | 13.8       | 7.5        | 27.5      | 6.26       | 2.7        | 4.0        | 10.0       | 3      |
| ER 16 | 3.0 ... 10.0          | 17.0       | 16.0       | 13.8       | -          | 27.5      | 6.26       | 2.7        | 4.0        | -          | 4      |
| ER 20 | 0.5 ... 2.0           | 21.0       | 20.0       | 17.4       | 9.0        | 31.5      | 6.36       | 2.8        | 4.8        | 13.0       | 3      |
| ER 20 | 3.0 ... 13            | 21.0       | 20.0       | 17.4       | -          | 31.5      | 6.36       | 2.8        | 4.8        | -          | 4      |
| ER 25 | 1.0 ... 2.0           | 26.0       | 25.0       | 22.0       | 12.0       | 34.0      | 6.66       | 3.1        | 5.0        | 15.0       | 3      |
| ER 25 | 3.0 ... 16.0          | 26.0       | 25.0       | 22.0       | -          | 34.0      | 6.66       | 3.1        | 5.0        | -          | 4      |
| ER 32 | 3.0 ... 20.0          | 33.0       | 32.0       | 29.2       | -          | 40.0      | 7.16       | 3.6        | 5.5        | -          | 4      |
| ER 40 | 3.0 ... 30.0          | 41.0       | 40.0       | 36.2       | -          | 46.0      | 7.66       | 4.1        | 7.0        | -          | 4      |

| Referencia | Pinza | D   | H    | F       | Figura |
|------------|-------|-----|------|---------|--------|
| ATER08M    | ER-8  | 12  | 11   | 10x0,75 | 1      |
| ATER11M    | ER-11 | 16  | 11   | 13x0,75 | 1      |
| ATER16M    | ER-16 | 22  | 17   | 19x1    | 1      |
| ATER20M    | ER-20 | 28  | 19   | 24x1    | 1      |
| ATER25M    | ER-25 | 35  | 20   | 30x1    | 1      |
| ATUME11    | ER-11 | 19  | 11   | 14x0,75 | 2      |
| ATUME16    | ER-16 | 28  | 17   | 22x1,5  | 2      |
| ATUME20    | ER-20 | 34  | 19   | 25x1,5  | 2      |
| ATUM16     | ER-16 | 32  | 17,5 | 22x1,5  | 3      |
| ATUM20     | ER-20 | 35  | 19   | 25x1,5  | 3      |
| ATUM25     | ER-25 | 42  | 20   | 32x1,5  | 3      |
| ATUM32     | ER-32 | 50  | 22   | 40x1,5  | 3      |
| ATUM40     | ER-40 | 63  | 25   | 50x1,5  | 3      |
| ATUM50     | ER-50 | 78  | 35   | 64x2    | 3      |
| AER11A     | ER-11 | ... | 6    | 18x1    | 4      |
| AER16A     | ER-16 | ... | 8    | 24x1    | 4      |
| AER20A     | ER-20 | ... | 11   | 28x1,5  | 4      |
| AER25A     | ER-25 | ... | 12,5 | 32x1,5  | 4      |
| AER32      | ER-32 | ... | 14   | 40x1,5  | 4      |

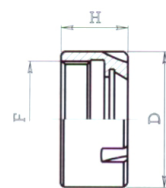


Fig. 1

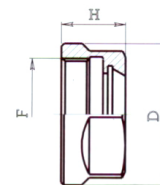


Fig. 2

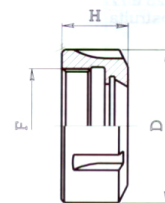


Fig. 3

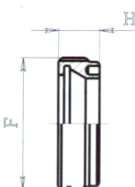
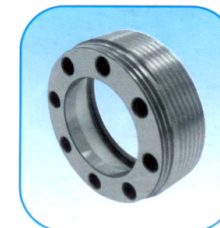


Fig. 4



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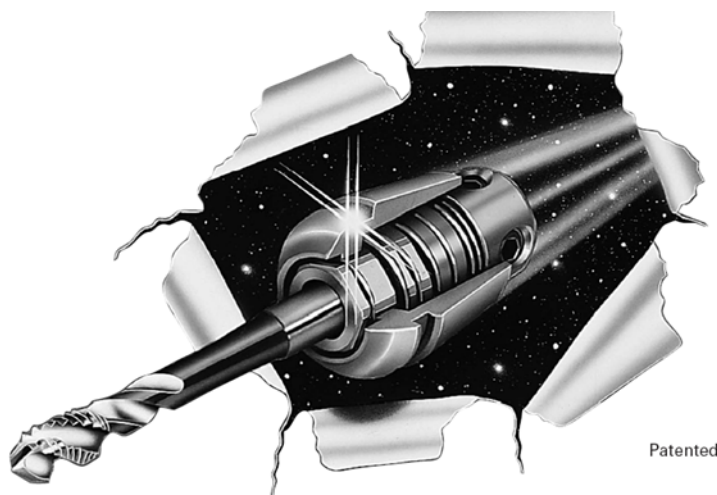
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# PCM

PCM WILLEN S.A.



## Ventajas de las pinzas ESX/ER DIN 6499 y DIN 6388 con compensación

- Utilización simple con los porta pinzas cortos, medios o largos
- Evita la rotura del macho o de la pieza al efectuar la inversión
- Extracción automática de la pinza en el desenroscado de la tuerca.
- Fuerza del muelle adaptada al tamaño del macho.
- Construcción robusta y compacta, excelente concentricidad del macho.
- Seguridad en la profundidad del agujero roscado.



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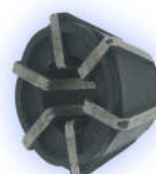
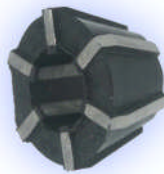
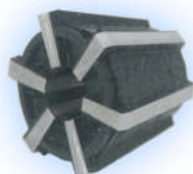
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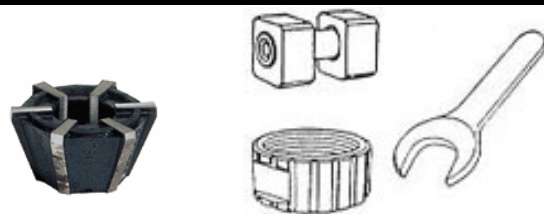
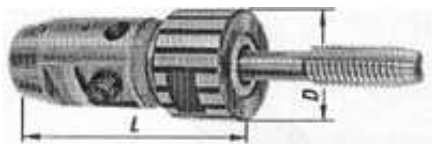
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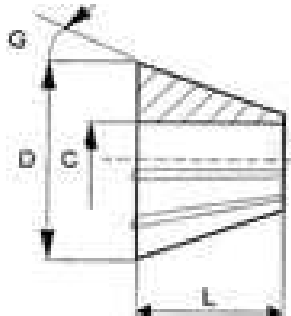
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## PORTAMACHOS CON PINZA DE GOMA JACOBS®



| Referencia                      | Capacidad | Cono                                 | Dimensiones |      | Pinza | Llave   | Tuerca | Dado  |
|---------------------------------|-----------|--------------------------------------|-------------|------|-------|---------|--------|-------|
|                                 |           |                                      | D           | L    |       |         |        |       |
| 410-01                          | 1 - 6,5   | Jacobs Nº1                           | 21,2        | 46,5 | J115  | K 400 B | N 410  | U 400 |
|                                 |           |                                      |             |      | J116  |         |        |       |
|                                 |           |                                      |             |      | J117  |         |        |       |
| 420 - 01<br>420 - 02<br>42 B 12 | 2 - 10    | Jacobs Nº1<br>Jacobs Nº2<br>DIN B 16 | 27,3        | 63   | J423  | K 420 B | N 421  | U 420 |
|                                 |           |                                      |             |      | J420  |         |        |       |
|                                 |           |                                      |             |      | J421  |         |        |       |
|                                 |           |                                      |             |      | J422  |         |        |       |
| 440 - 02<br>44 B 16             | 1,8 - 13  | Jacobs Nº2<br>DIN B 16               | 37,10       | 79   | J444  | K 420 N | N 441  | U 440 |
|                                 |           |                                      |             |      | J441  |         |        |       |
|                                 |           |                                      |             |      | J443  |         |        |       |
|                                 |           |                                      |             |      | J440  |         |        |       |
|                                 |           |                                      |             |      | J445  |         |        |       |

| PINZAS DE GOMA JACOBS®                                                                                                                                                  | Referencia | Capacidad<br>mm | Dimensiones |         |      | P.V.P.         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------|-------------|---------|------|----------------|
|                                                                                                                                                                         |            |                 | D           | G°      | L    |                |
|   | J115       | 1 - 2,5         | 13,3        | 13°     | 12   | <b>36,00 €</b> |
|                                                                                                                                                                         | J116       | 2,5 - 4,5       |             |         |      |                |
|                                                                                                                                                                         | J117       | 4,5 - 6,5       |             |         |      |                |
|                                                                                                                                                                         | J423       | 2 - 4,5         | 20,5        | 20°     | 12,5 | <b>36,70 €</b> |
|                                                                                                                                                                         | J420       | 4,5 - 8         |             |         |      |                |
|                                                                                                                                                                         | J421       | 3,5 - 6,5       |             |         |      |                |
|                                                                                                                                                                         | J422       | 6,5 - 10        |             |         |      |                |
|                                                                                                                                                                         | J444       | 1,8 - 4,5       | 28,5        | 22° 30' | 16   | <b>39,70 €</b> |
|                                                                                                                                                                         | J441       | 4,5 - 10        |             |         |      |                |
|                                                                                                                                                                         | J443       | 2,8 - 7         |             |         |      |                |
|                                                                                                                                                                         | J440       | 7 - 13          |             |         |      |                |
|                                                                                                                                                                         | J445       | 10 - 16         |             |         |      |                |
|                                                                                                                                                                         | J461       | 10 - 16         | 41,78       | 25°     | 20   | <b>40,50 €</b> |
|                                                                                                                                                                         | J462       | 16 - 23         |             |         |      |                |

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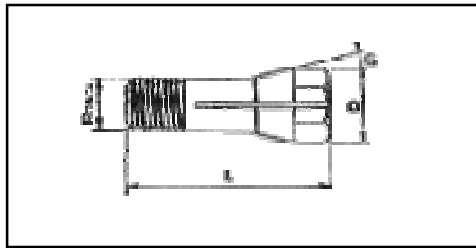
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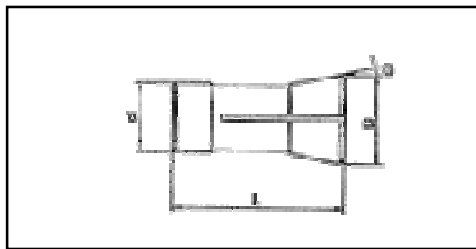
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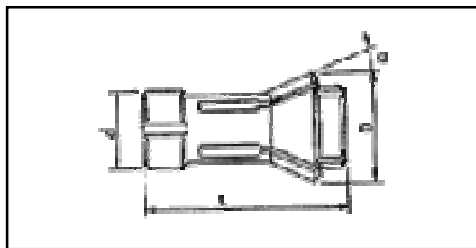
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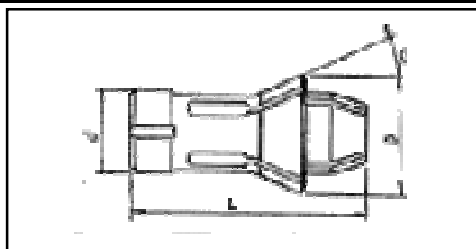
| MODELO       | d | D   | L    | G° | ROSCA         | Referencia Galán  |
|--------------|---|-----|------|----|---------------|-------------------|
| <i>MODEL</i> |   |     |      |    | <i>THREAD</i> | <i>Galan code</i> |
| S-3/S-5/S-8  | 6 | 8,5 | 25,5 | 20 | 6x0,7         | G-22.4-P          |



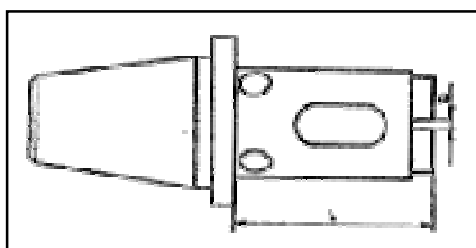
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|--------------|----|------|------|----|-------------------|
| <i>MODEL</i> |    |      |      |    | <i>Galan code</i> |
| S-3/S-5/S-8  | 12 | 15,4 | 30,3 | 10 | G-22.10-P         |



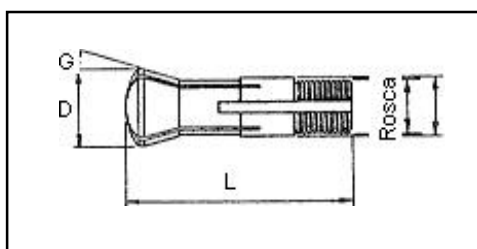
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|--------------|----|----|----|----|-------------------|
| <i>MODEL</i> |    |    |    |    | <i>Galan code</i> |
| S-3/S-5/S-8  | 22 | 30 | 55 | 15 | G-22.16-FT        |



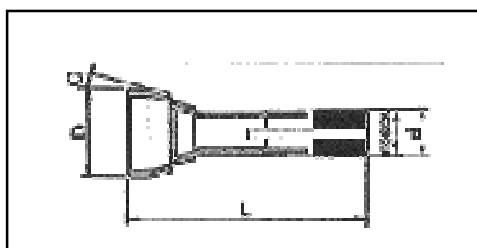
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|--------------|----|----|----|----|-------------------|
| <i>MODEL</i> |    |    |    |    | <i>Galan code</i> |
| S-3/S-5/S-8  | 22 | 30 | 63 | 15 | G-22.16-FD        |



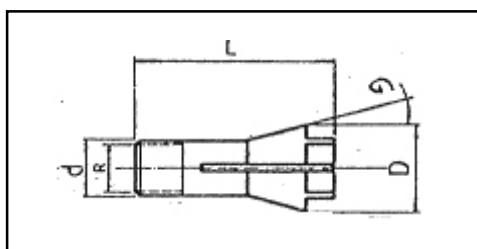
Torneador con cabeza de metal duro. Cotas "D" Y "L" según pedido



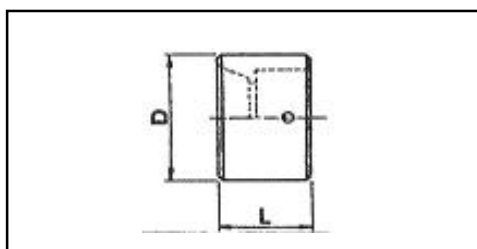
| MODELO       | d  | D  | L  | G° | ROSCA          | Referencia Galán  |
|--------------|----|----|----|----|----------------|-------------------|
| <i>MODEL</i> |    |    |    |    | <i>THREAD</i>  | <i>Galan code</i> |
| Horizontal   | 20 | 27 | 82 | 15 | 20x1,25 sierra | G-37-F            |



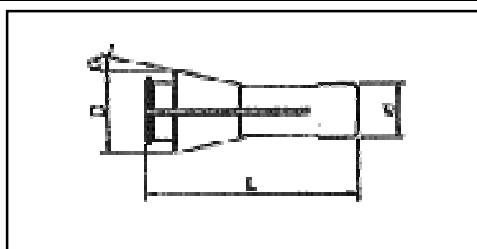
| MODELO       | d  | D  | L   | G° | ROSCA          | Referencia Galán  |
|--------------|----|----|-----|----|----------------|-------------------|
| <i>MODEL</i> |    |    |     |    | <i>THREAD</i>  | <i>Galan code</i> |
| Horizontal   | 20 | 37 | 100 | 15 | 20x1,25 sierra | G-37-FC           |
| Horizontal   | 20 | 49 | 117 | 15 | 20x1,25 sierra | G-37-FC/2         |



| MODELO         | d   | D    | L  | G° | ROSCA         | Referencia Galán  |
|----------------|-----|------|----|----|---------------|-------------------|
| <i>MODEL</i>   |     |      |    |    | <i>THREAD</i> | <i>Galan code</i> |
| Cabezales ACME | 9,5 | 12,5 | 38 | 15 | 8x1           | G-37-PM           |



| MODELO         | d  | D | L  | Referencia Galán  |
|----------------|----|---|----|-------------------|
| <i>MODEL</i>   |    |   |    | <i>Galan code</i> |
| Vaso adaptador | 48 |   | 32 | VCR-37            |



| MODELO       | d  | D    | L  | G° | Referencia Galán  |
|--------------|----|------|----|----|-------------------|
| <i>MODEL</i> |    |      |    |    | <i>Galan code</i> |
| Vertical     | 12 | 18,6 | 47 | 10 | G-37-P            |