



# TAPER-LOCK® PIGNONI

## SEMPLICI

## DOPPI

| PASSO | Codice passo | Z   | per Bussola | Esecuzione Tipo | Dm Mozzo | A  | Codice passo | Z   | per Bussola | Esecuzione Tipo | Dm Mozzo | A    |
|-------|--------------|-----|-------------|-----------------|----------|----|--------------|-----|-------------|-----------------|----------|------|
|       | 031-17 •     | 17  | 1008        | 1               | 44.5     | 22 | 032-17       | 17  | 1008        | 2               | 42.5     | 22   |
|       | 031-18       | 18  | 1008        | 1               | 43       | 22 | 032-18       | 18  | 1008        | 2               | 43       | 22   |
|       | 031-19 •     | 19  | 1008        | 1               | 46       | 22 | 032-19       | 19  | 1008        | 2               | 46       | 22   |
|       | 031-20       | 20  | 1008        | 1               | 46       | 22 | 032-20       | 20  | 1008        | 2               | 48       | 22   |
|       | 031-21 •     | 21  | 1008        | 1               | 46       | 22 | 032-21       | 21  | 1008        | 2               | 49       | 22   |
|       | 031-22       | 22  | 1108        | 1               | 50       | 22 | 032-22       | 22  | 1108        | 2               | 52       | 22   |
|       | 031-23 •     | 23  | 1210        | 1               | 62       | 25 | 032-23       | 23  | 1210        | 2               | 58       | 25   |
|       | 031-24       | 24  | 1210        | 1               | 62       | 25 | 032-24       | 24  | 1210        | 2               | 61       | 25   |
|       | 031-25 •     | 25  | 1210        | 1               | 63       | 25 | 032-25       | 25  | 1210        | 2               | 64       | 25   |
|       | 031-26       | 26  | 1210        | 1               | 60       | 25 | 032-26       | 26  | 1210        | 2               | 65       | 25   |
|       | 031-27 •     | 27  | 1210        | 1               | 60       | 25 | 032-27       | 27  | 1210        | 2               | 65       | 25   |
|       | 031-28       | 28  | 1210        | 1               | 60       | 25 | 032-28       | 28  | 1210        | 2               | 65       | 25   |
|       | 031-30 •     | 30  | 1210        | 1               | 63       | 25 | 032-30       | 30  | 1210        | 2               | 65       | 25   |
|       | 031-38       | 38  | 1210        | 1               | 73       | 25 | 032-38       | 38  | 1610        | 2               | 76       | 25   |
|       | 031-45       | 45  | 1210        | 1               | 73       | 25 | 032-45       | 45  | 1610        | 2               | 89       | 25   |
|       | 031-57*      | 57  | 1210        | 6               | 83       | 25 | 032-57*      | 57  | 1610        | 7               | 89       | 25   |
|       | 031-76*      | 76  | 1210        | 6               | 83       | 25 | 032-76*      | 76  | 1610        | 7               | 89       | 25   |
|       | 031-95*      | 95  | 1210        | 6               | 83       | 25 | 032-95*      | 95  | 1610        | 7               | 89       | 25   |
|       | 031-114*     | 114 | 1215        | 6               | 83       | 38 | 032-114*     | 114 | 1615        | 7               | 89       | 38   |
|       | 041-15 •     | 15  | 1008        | 1               | 46       | 22 | 042-15       | 15  | 1008        | 2               | 46       | 22   |
|       | 041-16       | 16  | 1108        | 1               | 50       | 22 | 042-16       | 16  | 1108        | 2               | 50       | 22   |
|       | 041-17 •     | 17  | 1210        | 1               | 59.5     | 25 | 042-17       | 17  | 1210        | 2               | 56       | 25   |
|       | 041-18       | 18  | 1210        | 1               | 60       | 25 | 042-18       | 18  | 1210        | 2               | 58       | 25   |
|       | 041-19 •     | 19  | 1210        | 1               | 63       | 25 | 042-19       | 19  | 1210        | 2               | 64       | 25   |
|       | 041-20       | 20  | 1610        | 1               | 71       | 25 | 042-20       | 20  | 1610        | 2               | 66       | 25   |
|       | 041-21 •     | 21  | 1610        | 1               | 71       | 25 | 042-21       | 21  | 1610        | 2               | 71       | 25   |
|       | 041-22       | 22  | 1610        | 1               | 70       | 25 | 042-22       | 22  | 1610        | 2               | 76       | 25   |
|       | 041-23 •     | 23  | 1610        | 1               | 76       | 25 | 042-23       | 23  | 1610        | 2               | 79       | 25   |
|       | 041-24       | 24  | 1610        | 1               | 70       | 25 | 042-24       | 24  | 2012        | 2               | 84       | 32   |
|       | 041-25 •     | 25  | 1610        | 1               | 76       | 25 | 042-25       | 25  | 2012        | 2               | 87       | 32   |
|       | 041-26       | 26  | 1610        | 1               | 70       | 25 | 042-26       | 26  | 2012        | 2               | 85       | 32   |
|       | 041-27 •     | 27  | 1610        | 1               | 76       | 25 | 042-27       | 27  | 2012        | 2               | 87       | 32   |
|       | 041-28       | 28  | 2012        | 1               | 90       | 32 | 042-28       | 28  | 2012        | 2               | 87       | 32   |
|       | 041-30 •     | 30  | 2012        | 1               | 90       | 32 | 042-30       | 30  | 2012        | 2               | 87       | 32   |
|       | 041-38       | 38  | 2012        | 1               | 102      | 32 | 042-38       | 38  | 2012        | 2               | 102      | 32   |
|       | 041-45       | 45  | 2012        | 1               | 102      | 32 | 042-45       | 45  | 2012        | 2               | 111      | 32   |
|       | 041-57*      | 57  | 2012        | 6               | 111      | 32 | 042-57*      | 57  | 2012        | 7               | 111      | 32   |
|       | 041-76*      | 76  | 2012        | 6               | 111      | 32 | 042-76*      | 76  | 2012        | 7               | 111      | 32   |
|       | 041-95*      | 95  | 2012        | 6               | 111      | 32 | 042-95*      | 95  | 2012        | 7               | 111      | 32   |
|       | 041-114*     | 114 | 2517        | 6               | 124      | 45 | 042-114*     | 114 | 2517        | 7               | 124      | 45   |
|       | 051-13 •     | 13  | 1008        | 1               | 46       | 22 |              |     |             |                 |          |      |
|       | 051-14       | 14  | 1108        | 1               | 52       | 22 |              |     |             |                 |          |      |
|       | 051-15 •     | 15  | 1210        | 1               | 63       | 25 | 052-15       | 15  | 1210        | 3               |          | 25.5 |
|       | 051-16       | 16  | 1610        | 1               | 70       | 25 | 052-16       | 16  | 1610        | 3               |          | 25.5 |
|       | 051-17 •     | 17  | 1610        | 1               | 71       | 25 | 052-17       | 17  | 1610        | 3               |          | 25.5 |
|       | 051-18       | 18  | 1610        | 1               | 75       | 25 | 052-18       | 18  | 1610        | 3               |          | 25.5 |
|       | 051-19 •     | 19  | 1610        | 1               | 76       | 25 | 052-19       | 19  | 1610        | 3               |          | 25.5 |
|       | 051-20       | 20  | 1610        | 1               | 75       | 25 | 052-20       | 20  | 1610        | 3               |          | 25.5 |
|       | 051-21 •     | 21  | 1610        | 1               | 76       | 25 | 052-21       | 21  | 1610        | 3               |          | 25.5 |
|       | 051-22       | 22  | 1610        | 1               | 76       | 25 | 052-22       | 22  | 1610        | 3               |          | 25.5 |
|       | 051-23 •     | 23  | 1610        | 1               | 76       | 25 | 052-23       | 23  | 1610        | 3               |          | 25.5 |
|       | 051-24       | 24  | 2012        | 1               | 90       | 32 | 052-24       | 24  | 2012        | 2               | 90       | 32   |
|       | 051-25 •     | 25  | 2012        | 1               | 90       | 32 | 052-25       | 25  | 2012        | 2               | 90       | 32   |
|       | 051-26       | 26  | 2012        | 1               | 85       | 32 | 052-26       | 26  | 2012        | 2               | 90       | 32   |
|       | 051-27 •     | 27  | 2012        | 1               | 90       | 32 | 052-27       | 27  | 2012        | 2               | 90       | 32   |
|       | 051-28       | 28  | 2012        | 1               | 90       | 32 | 052-28       | 28  | 2012        | 2               | 90       | 32   |
|       | 051-30 •     | 30  | 2012        | 1               | 90       | 32 | 052-30       | 30  | 2012        | 2               | 90       | 32   |
|       | 051-38       | 38  | 2012        | 1               | 102      | 32 | 052-38       | 38  | 2517        | 2               | 108      | 45   |
|       | 051-45       | 45  | 2012        | 1               | 111      | 32 | 052-45*      | 45  | 2517        | 7               | 110      | 45   |
|       | 051-57*      | 57  | 2012        | 6               | 111      | 32 |              |     |             |                 |          |      |
|       | 051-76*      | 76  | 2012        | 6               | 111      | 32 |              |     |             |                 |          |      |
|       | 051-95*      | 95  | 2517        | 6               | 124      | 45 |              |     |             |                 |          |      |
|       | 051-114*     | 114 | 2517        | 6               | 124      | 45 |              |     |             |                 |          |      |
|       | 061-13 •     | 13  | 1210        | 1               | 63       | 25 |              |     |             |                 |          |      |
|       | 061-14       | 14  | 1610        | 1               | 71       | 25 | 062-14       | 14  | 1610        | 3               |          | 30.3 |
|       | 061-15 •     | 15  | 1610        | 1               | 71       | 25 | 062-15       | 15  | 1610        | 3               |          | 30.3 |
|       | 061-16       | 16  | 1610        | 1               | 75       | 25 | 062-16       | 16  | 1610        | 3               |          | 30.3 |
|       | 061-17 •     | 17  | 1610        | 1               | 76       | 25 | 062-17       | 17  | 1610        | 3               |          | 30.3 |
|       | 061-18       | 18  | 2012        | 1               | 90       | 32 | 062-18       | 18  | 2012        | 2               | 89       | 32   |
|       | 061-19 •     | 19  | 2012        | 1               | 90       | 32 | 062-19       | 19  | 2012        | 2               | 95       | 32   |
|       | 061-20       | 20  | 2012        | 1               | 90       | 32 | 062-20       | 20  | 2517        | 2               | 108      | 45   |
|       | 061-21 •     | 21  | 2517        | 1               | 102      | 45 | 062-21       | 21  | 2517        | 2               | 108      | 45   |
|       | 061-22       | 22  | 2517        | 1               | 102      | 45 | 062-22       | 22  | 2517        | 2               | 108      | 45   |
|       | 061-23 •     | 23  | 2517        | 1               | 108      | 45 | 062-23       | 23  | 2517        | 2               | 108      | 45   |
|       | 061-24       | 24  | 2517        | 1               | 108      | 45 | 062-24       | 24  | 2517        | 2               | 108      | 45   |
|       | 061-25 •     | 25  | 2517        | 1               | 108      | 45 | 062-25       | 25  | 2517        | 2               | 108      | 45   |
|       | 061-26       | 26  | 2517        | 1               | 108      | 45 | 062-26       | 26  | 2517        | 2               | 108      | 45   |
|       | 061-27 •     | 27  | 2517        | 1               | 108      | 45 | 062-27       | 27  | 2517        | 2               | 108      | 45   |
|       | 061-28       | 28  | 2517        | 1               | 108      | 45 | 062-28       | 28  | 2517        | 2               | 108      | 45   |
|       | 061-30 •     | 30  | 2517        | 1               | 108      | 45 | 062-30       | 30  | 2517        | 2               | 108      | 45   |
|       | 061-38       | 38  | 2517        | 1               | 124      | 45 | 062-38       | 38  | 3020        | 2               | 152      | 51   |
|       | 061-45       | 45  | 2517        | 1               | 124      | 45 | 062-45*      | 45  | 3020        | 7               | 154      | 51   |
|       | 061-57*      | 57  | 2517        | 6               | 124      | 45 | 062-57*      | 57  | 3020        | 7               | 160      | 51   |
|       | 061-76*      | 76  | 2517        | 6               | 124      | 45 | 062-76*      | 76  | 3020        | 7               | 160      | 51   |
|       | 061-95*      | 95  | 2517        | 6               | 124      | 45 | 062-95*      | 95  | 3020        | 7               | 160      | 51   |
|       | 061-114*     | 114 | 2525        | 6               | 124      | 63 | 062-114*     | 114 | 3030        | 7               | 160      | 76   |



# TAPER-LOCK® PIGNONI

## SEMPLICI

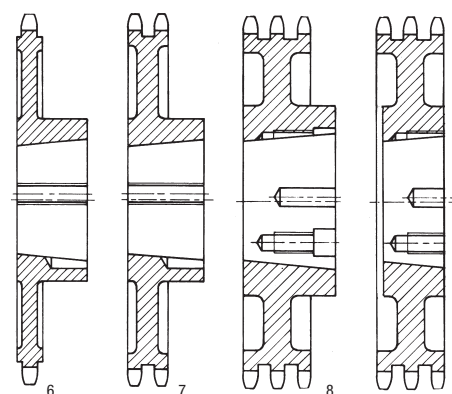
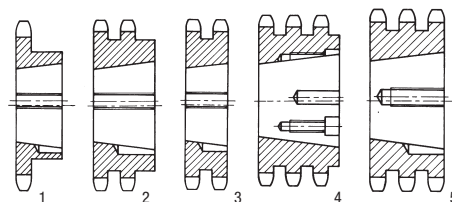
| PASSO | Codice passo | Z   | per Bussola | Esecuzione Tipo | Dm Mozzo | A  |
|-------|--------------|-----|-------------|-----------------|----------|----|
|       | 081-13       | 13  | 1610        | 1               | 78       | 25 |
|       | 081-14       | 14  | 1610        | 1               | 78       | 25 |
|       | 081-15 •     | 15  | 1610        | 1               | 78       | 25 |
|       | 081-16       | 16  | 2012        | 1               | 90       | 32 |
|       | 081-17 •     | 17  | 2012        | 1               | 90       | 32 |
|       | 081-18       | 18  | 2517        | 1               | 108      | 45 |
|       | 081-19 •     | 19  | 2517        | 1               | 108      | 45 |
|       | 081-20       | 20  | 2517        | 1               | 108      | 45 |
|       | 081-21 •     | 21  | 2517        | 1               | 108      | 45 |
|       | 081-22       | 22  | 2517        | 1               | 108      | 45 |
|       | 081-23 •     | 23  | 2517        | 1               | 108      | 45 |
|       | 081-24       | 24  | 2517        | 1               | 108      | 45 |
|       | 081-25 •     | 25  | 2517        | 1               | 108      | 45 |
|       | 081-26       | 26  | 2517        | 1               | 108      | 45 |
|       | 081-27 •     | 27  | 2517        | 1               | 108      | 45 |
|       | 081-28       | 28  | 2517        | 1               | 108      | 45 |
|       | 081-30 •     | 30  | 3020        | 1               | 160      | 51 |
|       | 081-38       | 38  | 3020        | 1               | 160      | 51 |
|       | 081-45       | 45  | 3020        | 1               | 160      | 51 |
|       | 081-57*      | 57  | 3020        | 6               | 160      | 51 |
|       | 081-76*      | 76  | 3020        | 6               | 160      | 51 |
|       | 081-95*      | 95  | 3020        | 6               | 160      | 51 |
|       | 081-114*     | 114 | 3030        | 6               | 150      | 76 |
|       | 101-15 •     | 15  | 2517        | 1               | 108      | 45 |
|       | 101-17 •     | 17  | 2517        | 1               | 108      | 45 |
|       | 101-19 •     | 19  | 2517        | 1               | 108      | 45 |
|       | 101-21 •     | 21  | 2517        | 1               | 108      | 45 |
|       | 101-23 •     | 23  | 2517        | 1               | 108      | 45 |
|       | 101-25 •     | 25  | 2517        | 1               | 108      | 45 |
|       | 101-30 •     | 30  | 3020        | 1               | 160      | 51 |
|       | 101-38 *     | 38  | 3020        | 6               | 160      | 51 |

## TRIPLI

| PASSO | Codice passo | Z   | per Bussola | Esecuzione Tipo | Dm Mozzo | A    |
|-------|--------------|-----|-------------|-----------------|----------|------|
|       | 063-15       | 15  | 1615        | 5               |          | 49.8 |
|       | 063-17       | 17  | 2012        | 5               |          | 49.8 |
|       | 063-19       | 19  | 2012        | 5               |          | 49.8 |
|       | 063-21       | 21  | 2517        | 5               |          | 49.8 |
|       | 063-23       | 23  | 2517        | 5               |          | 49.8 |
|       | 063-25       | 25  | 2517        | 5               |          | 49.8 |
|       | 063-27       | 27  | 3020        | 4               | 140      | 51.0 |
|       | 063-30       | 30  | 3020        | 4               | 140      | 51.0 |
|       | 063-38       | 38  | 3020        | 4               | 140      | 51.0 |
|       | 063-45       | 45  | 3020        | 4               | 140      | 51.0 |
|       | 063-57*      | 57  | 3020        | 8               | 160      | 51.0 |
|       | 063-76*      | 76  | 3020        | 8               | 160      | 51.0 |
|       | 063-95*      | 95  | 3030        | 8               | 165      | 76.0 |
|       | 063-114*     | 114 | 3030        | 8               | 165      | 76.0 |
|       | 083-17       | 17  | 2517        | 5               |          | 79.6 |
|       | 083-19       | 19  | 3020        | 5               |          | 79.6 |
|       | 083-21       | 21  | 3020        | 5               |          | 79.6 |
|       | 083-23       | 23  | 3525        | 5               |          | 79.6 |
|       | 083-25       | 25  | 3525        | 5               |          | 79.6 |
|       | 083-27       | 27  | 3525        | 5               |          | 79.6 |
|       | 083-30       | 30  | 3525        | 5               |          | 79.6 |
|       | 083-38*      | 38  | 3535        | 8               | 178      | 89   |
|       | 083-45*      | 45  | 4040        | 8               | 216      | 102  |
|       | 083-57*      | 57  | 4040        | 8               | 216      | 102  |
|       | 083-76*      | 76  | 4040        | 8               | 216      | 102  |
|       | 083-95*      | 95  | 4040        | 8               | 240      | 102  |
|       | 083-114*     | 114 | 4545        | 8               | 260      | 115  |

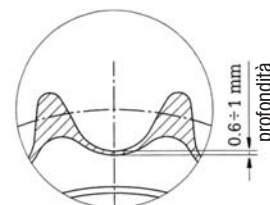
## DOPPI

| PASSO | Codice passo | Z   | per Bussola | Esecuzione Tipo | Dm Mozzo | A    |
|-------|--------------|-----|-------------|-----------------|----------|------|
|       | 082-15       | 15  | 2012        | 3               |          | 47.7 |
|       | 082-16       | 16  | 2517        | 3               |          | 47.7 |
|       | 082-17       | 17  | 2517        | 3               |          | 47.7 |
|       | 082-18       | 18  | 2517        | 3               |          | 47.7 |
|       | 082-19       | 19  | 2517        | 3               |          | 47.7 |
|       | 082-20       | 20  | 2517        | 3               |          | 47.7 |
|       | 082-21       | 21  | 3020        | 2               | 143      | 51   |
|       | 082-22       | 22  | 3020        | 2               | 150      | 51   |
|       | 082-23       | 23  | 3020        | 2               | 160      | 51   |
|       | 082-24       | 24  | 3020        | 2               | 166      | 51   |
|       | 082-25       | 25  | 3020        | 2               | 175      | 51   |
|       | 082-26       | 26  | 3020        | 2               | 175      | 51   |
|       | 082-27       | 27  | 3020        | 2               | 175      | 51   |
|       | 082-28       | 28  | 3020        | 2               | 175      | 51   |
|       | 082-30       | 30  | 3020        | 2               | 175      | 51   |
|       | 082-38*      | 38  | 3030        | 7               | 160      | 76   |
|       | 082-45*      | 45  | 3535        | 7               | 160      | 76   |
|       | 082-57*      | 57  | 3535        | 7               | 175      | 89   |
|       | 082-76*      | 76  | 3525        | 7               | 175      | 89   |
|       | 082-95*      | 95  | 4040        | 7               | 216      | 102  |
|       | 082-114*     | 114 | 4040        | 7               | 216      | 102  |



• DISPONIBILI ANCHE CON DENTI TEMPRATI

\* GHISA = G 20 - UNI 5007



MATERIALE: ACCIAIO = C 45 UNI 7845

Denti temprati ad induzione HRC 45 ÷ 53