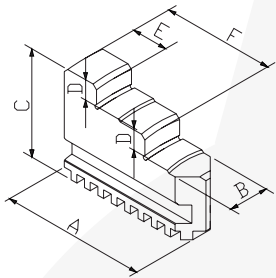


Reposição para
placas autocentrantes

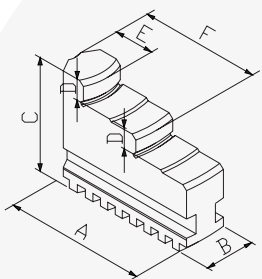


| PLACA Ø APROX. mm | CÓDIGO | | | | ∅ mm |
|-------------------------|------------|------------|------------|------------|------|
| | COROA | PINHÃO | PRISONEIRO | CHAVE | |
| 160 | 160.03-UMP | 160.04-UMP | 160.05-UMP | 160.06-UMP | 8,6 |
| 205 | 205.03-UMP | 205.04-UMP | 205.05-UMP | 205.06-UMP | 10,2 |
| 255 | 255.03-UMP | 255.04-UMP | 255.05-UMP | 255.06-UMP | 14,4 |
| 315 | 315.03-UMP | 315.04-UMP | 315.05-UMP | 315.06-UMP | 14,4 |
| 400 | 400.03-UMP | 400.04-UMP | 400.05-UMP | 400.06-UMP | 14,4 |
| 500 | 500.03-UMP | 500.04-UMP | 500.05-UMP | 500.06-UMP | 19 |
| 650 | 650.03-UMP | 650.04-UMP | 650.05-UMP | 650.06-UMP | 19 |



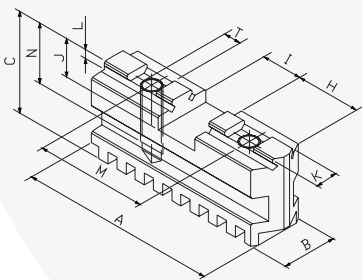
CASTANHA EXTERNA (31/41)

| PLACA Ø APROX. mm | CÓDIGO | | A | B | C | D | E | F |
|-------------------------|------------|------------|-----|------|-----|------|----|-------|
| | 3 CAST | 4 CAST | | | | | | |
| 160 | 160.31-UMP | 160.41-UMP | 63 | 18 | 41 | 9,5 | 16 | 39 |
| 205 | 205.31-UMP | 205.41-UMP | 76 | 21 | 56 | 10,5 | 19 | 47,5 |
| 255 | 255.31-UMP | 255.41-UMP | 95 | 29,5 | 66 | 13 | 22 | 58,5 |
| 315 | 315.31-UMP | 315.41-UMP | 120 | 37 | 76 | 16 | 26 | 73 |
| 400 | 400.31-UMP | 400.41-UMP | 120 | 37 | 76 | 16 | 26 | 73 |
| 500 | 500.31-UMP | 500.41-UMP | 165 | 50 | 90 | 20 | 50 | 107,5 |
| 650 | 650.31-UMP | 650.41-UMP | 230 | 50 | 115 | 25 | 50 | 140 |



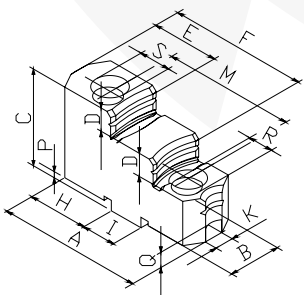
CASTANHA INTERNA (32/42)

| PLACA Ø APROX. mm | CÓDIGO | | A | B | C | D | E | F |
|-------------------------|------------|------------|-----|------|-----|------|----|-------|
| | 3 CAST | 4 CAST | | | | | | |
| 160 | 160.32-UMP | 160.42-UMP | 63 | 18 | 41 | 9,5 | 16 | 39 |
| 205 | 205.32-UMP | 205.42-UMP | 76 | 21 | 56 | 10,5 | 19 | 47,5 |
| 255 | 255.32-UMP | 255.42-UMP | 95 | 29,5 | 66 | 13 | 22 | 58,5 |
| 315 | 315.32-UMP | 315.42-UMP | 120 | 37 | 76 | 16 | 26 | 73 |
| 400 | 400.32-UMP | 400.42-UMP | 120 | 37 | 76 | 16 | 26 | 73 |
| 500 | 500.32-UMP | 500.42-UMP | 165 | 50 | 90 | 20 | 50 | 107,5 |
| 650 | 650.32-UMP | 650.42-UMP | 230 | 50 | 115 | 25 | 50 | 140 |



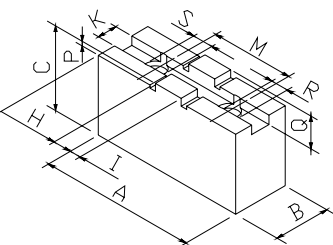
CASTANHA BASE (23/33/43)

| PLACA Ø APROX. mm | CÓDIGO | | A | B | C | H | I | J | K | L | M | N | T UNC |
|-------------------------|------------|------------|-----|------|----|----|-------|----|-------|---|-------|----|----------|
| | 3 CAST | 4 CAST | | | | | | | | | | | |
| 160 | 160.33-UMP | 160.43-UMP | 65 | 18 | 28 | 28 | 12,68 | 7 | 7,98 | 3 | 38,1 | 20 | 5/16 |
| 205 | 205.33-UMP | 205.43-UMP | 76 | 21 | 32 | 32 | 16,2 | 8 | 8,74 | 3 | 42,86 | 25 | 3/8 |
| 255 | 255.33-UMP | 255.43-UMP | 98 | 29,5 | 40 | 40 | 19,03 | 8 | 12,68 | 3 | 53,97 | 30 | 1/2 |
| 315 | 315.33-UMP | 315.43-UMP | 120 | 37 | 46 | 54 | 19,03 | 10 | 12,68 | 3 | 76,2 | 30 | 5/8 |
| 400 | 400.33-UMP | 400.43-UMP | 120 | 37 | 46 | 54 | 19,03 | 10 | 12,68 | 3 | 76,2 | 30 | 5/8 |
| 500 | 500.33-UMP | 500.43-UMP | 165 | 50 | 55 | 52 | 19,03 | 11 | 12,68 | 3 | 76,2 | 41 | 3/4 |
| 650 | 650.33-UMP | 650.43-UMP | 235 | 50 | 69 | 52 | 19,03 | 11 | 12,68 | 3 | 76,2 | 54 | 3/4 |



CASTANHA TOPO DURO (36/46)

| PLACA Ø APROX. mm | CÓDIGO | | A | B | C | D | E | F | H | I | K | M | P | Q | R | S |
|-------------------------|------------|------------|-----|----|----|------|----|----|----|-------|-------|-------|---|----|------|----|
| | 3 CAST | 4 CAST | | | | | | | | | | | | | | |
| 160 | 160.36-UMP | 160.46-UMP | 65 | 24 | 40 | 9 | 15 | 42 | 28 | 12,68 | 8 | 38,1 | 3 | 8 | 8,5 | 12 |
| 205 | 205.36-UMP | 205.46-UMP | 78 | 27 | 46 | 11 | 19 | 53 | 32 | 16,2 | 8,76 | 42,86 | 3 | 9 | 10,5 | 15 |
| 255 | 255.36-UMP | 255.46-UMP | 97 | 37 | 54 | 13 | 22 | 64 | 40 | 19,03 | 12,72 | 53,97 | 3 | 9 | 13,5 | 20 |
| 315 | 315.36-UMP | 315.46-UMP | 124 | 43 | 63 | 14 | 27 | 75 | 54 | 19,03 | 12,72 | 76,2 | 3 | 7 | 17 | 25 |
| 400 | 400.36-UMP | 400.46-UMP | 124 | 43 | 63 | 14 | 27 | 75 | 54 | 19,03 | 12,72 | 76,2 | 3 | 7 | 17 | 25 |
| 500 | 500.36-UMP | 500.46-UMP | 137 | 56 | 73 | 17,5 | 50 | 87 | 57 | 19,03 | 12,72 | 76,2 | 6 | 12 | 20 | 31 |
| 650 | 650.36-UMP | 650.46-UMP | 155 | 62 | 94 | 25 | 55 | 90 | 57 | 19,03 | 12,72 | 76,2 | 6 | 12 | 20 | 31 |



CASTANHA TOPO MOLE (27/37/47)

| PLACA Ø APROX. mm | CÓDIGO | | A | B | C | H | I | K | M | P | Q | R | S |
|-------------------------|------------|------------|-----|----|----|----|-------|-------|-------|---|----|------|----|
| | 3 CAST | 4 CAST | | | | | | | | | | | |
| 160 | 160.37-UMP | 160.47-UMP | 70 | 24 | 40 | 28 | 12,68 | 8 | 38,1 | 3 | 8 | 8,5 | 12 |
| 205 | 205.37-UMP | 205.47-UMP | 82 | 27 | 46 | 32 | 16,2 | 8,76 | 42,86 | 3 | 9 | 10,5 | 15 |
| 255 | 255.37-UMP | 255.47-UMP | 101 | 37 | 54 | 40 | 19,03 | 12,72 | 53,97 | 3 | 9 | 13,5 | 20 |
| 315 | 315.37-UMP | 315.47-UMP | 129 | 43 | 63 | 54 | 19,03 | 12,72 | 76,2 | 3 | 7 | 17 | 25 |
| 400 | 400.37-UMP | 400.47-UMP | 129 | 43 | 63 | 54 | 19,03 | 12,72 | 76,2 | 3 | 7 | 17 | 25 |
| 500 | 500.37-UMP | 500.47-UMP | 137 | 56 | 73 | 57 | 19,03 | 12,72 | 76,2 | 6 | 12 | 20 | 31 |
| 650 | 650.37-UMP | 650.47-UMP | 155 | 62 | 94 | 57 | 19,03 | 12,72 | 76,2 | 6 | 12 | 20 | 31 |