

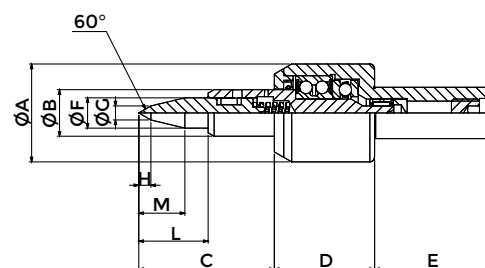


**CONTROPUNTE**

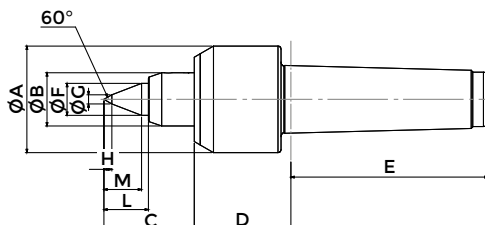
## CONTROPUNTA A CARICO DIFFERENZIATO



VERSIONE CIL.



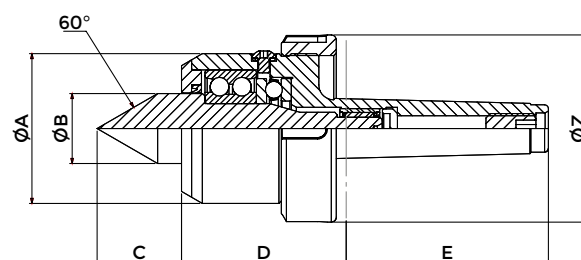
VERSIONE C.M.



### SERIE-K1

| CODE N.   | INTERFACCIA | A  | D    | E     | B  | F  | G | H   | M    | L    | C    | PESO (Kg) | CARICO (N)        | GIRI MAX (r.p.m.) | MAX SPINTA Max (N) | OSCILLAZIONE Max (MM) |
|-----------|-------------|----|------|-------|----|----|---|-----|------|------|------|-----------|-------------------|-------------------|--------------------|-----------------------|
| 450-00200 | CM3         | 42 | 48   | 81    | 20 | 13 | 6 | 5,2 | 19,7 | 25,3 | 53,3 | 0,6       | ASS.1800/RAD.610  | 6000              | 600                | 0,6                   |
| 450-00209 | CM4         | 60 | 61,5 | 102,5 | 28 | 16 | 6 | 5,2 | 19,7 | 26,6 | 54   | 1,1       | ASS.3040/RAD.1130 | 4500              | 900                | 0,6                   |
| 450-00218 | CM5         | 70 | 63,5 | 129,5 | 35 | 21 | 6 | 5,2 | 24,4 | 28,9 | 59,6 | 1,9       | ASS.3730/RAD.1500 | 4000              | 1200               | 0,8                   |
| 450-00201 | CIL.22      | 42 | 43   | 50    | 20 | 13 | 6 | 5,2 | 19,7 | 25,3 | 53,3 | 0,6       | ASS.1800/RAD.610  | 6000              | 600                | 0,6                   |
| 450-00210 | CIL.28      | 60 | 55   | 50    | 28 | 16 | 6 | 5,2 | 19,7 | 26,6 | 54   | 1,1       | ASS.3040/RAD.1130 | 4500              | 900                | 0,6                   |
| 450-00219 | CIL.32      | 70 | 57   | 50    | 35 | 21 | 6 | 5,2 | 24,4 | 28,9 | 59,6 | 1,9       | ASS.3730/RAD.1500 | 4000              | 1200               | 0,8                   |

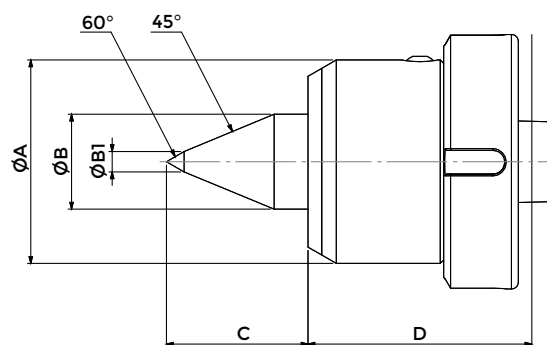
## CONTROPUNTA AD ALTA PRECISIONE CON GHIERA DI ESTRAZIONE



### SERIE-MWS60 HP

| CODE N.   | INTERFACCIA | A   | B  | C    | D    | E     | Z   | PESO (Kg) | CARICO (N)        | GIRI MAX (r.p.m.) |
|-----------|-------------|-----|----|------|------|-------|-----|-----------|-------------------|-------------------|
| 450-00124 | CM3         | 60  | 28 | 34   | 66   | 81    | 75  | 1,1       | ASS.3040/RAD.970  | 4500              |
| 450-00143 | CM4         | 70  | 35 | 69,5 | 69,5 | 102,5 | 82  | 1,9       | ASS.3730/RAD.1730 | 4000              |
| 450-00166 | CM5         | 90  | 40 | 50   | 76,5 | 129,5 | 105 | 3,9       | ASS.5100/RAD.2530 | 2800              |
| 450-00191 | CM6         | 130 | 65 | 71   | 92,5 | 195   | 160 | 9,1       | ASS.6680/RAD.4570 | 2400              |

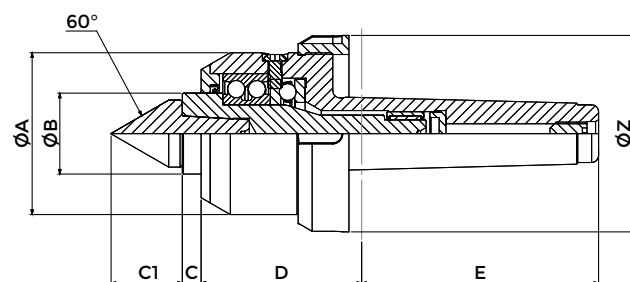
## CONTROPUNTA CON DOPPIA INCLINAZIONE



### SERIE-MWS45 HP

| CODE N.   | INTERFACCIA | A  | B  | B1 | C    | D    | E     | PESO (Kg) | CARICO (N)        | GIRI MAX (r.p.m.) |
|-----------|-------------|----|----|----|------|------|-------|-----------|-------------------|-------------------|
| 450-00125 | CM3         | 60 | 28 | 6  | 41,5 | 66   | 81    | 1,1       | ASS.3040/RAD.970  | 4500              |
| 450-00144 | CM4         | 70 | 35 | 9  | 51,4 | 69,5 | 102,5 | 1,9       | ASS.3730/RAD.1730 | 4000              |
| 450-00167 | CM5         | 90 | 40 | 12 | 51,5 | 76,5 | 129,5 | 3,9       | ASS.5100/RAD.2530 | 2800              |

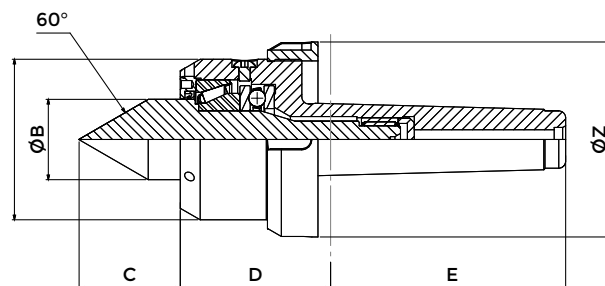
## CONTROPUNTA AD ALTA PRECISIONE CON CUSPIDE INTERCAMBIABILE



### SERIE-MWS-IP HP

| CODE N.   | INTERFACCIA | A  | B  | C1 | C | D  | E    | Z     | GIRI MAX (r.p.m.) | PESO (Kg) | CARICO (N)        |
|-----------|-------------|----|----|----|---|----|------|-------|-------------------|-----------|-------------------|
| 450-00126 | CM3         | 60 | 28 | 25 | 7 | 37 | 66   | 81    | 4500              | 1,1       | ASS.3040/RAD.970  |
| 450-00145 | CM4         | 70 | 35 | 29 | 8 | 41 | 69,5 | 102,5 | 4000              | 1,9       | ASS.3730/RAD.1730 |
| 450-00168 | CM5         | 90 | 40 | 35 | 8 | 46 | 76,5 | 129,5 | 2800              | 3,9       | ASS.5100/RAD.2530 |

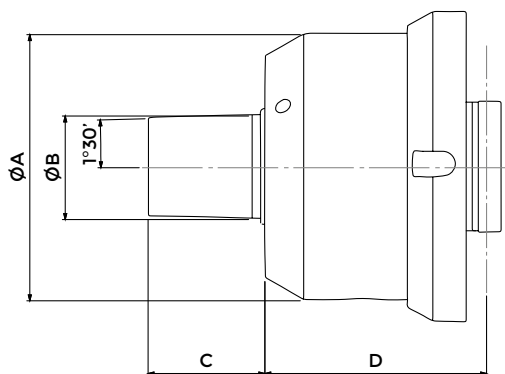
## CONTROPUNTA PER CARICHI PESANTI



### SERIE-MWS/CP

| CODE N.   | INTERFACCIA | A   | B  | C  | D    | E    | Z   | ECCENTRICITÀ (mm) | GIRI MAX (r.p.m.) | PESO (Kg) | CARICO (N)          |
|-----------|-------------|-----|----|----|------|------|-----|-------------------|-------------------|-----------|---------------------|
| 450-00129 | CM3         | 60  | 28 | 38 | 51   | 92   | 75  | 0,005             | 4000              | 1,9       | ASS.3040/RAD.2350   |
| 450-00151 | CM4         | 70  | 35 | 46 | 54   | 11,5 | 82  | 0,005             | 4000              | 1,9       | ASS.3730/RAD.3450   |
| 450-00172 | CM5         | 90  | 40 | 53 | 65   | 136  | 105 | 0,005             | 2800              | 3,9       | ASS.6370/RAD.4010   |
| 450-00191 | CM6         | 130 | 65 | 71 | 92,5 | 195  | 160 | 0,010             | 2400              | 9,1       | ASS.10290/RAD.13960 |
| 450-00193 | CM8         | 185 | 80 | 95 | 148  | 210  | 220 | 0,010             | 1000              | 35        | ASS.29190/RAD.30380 |

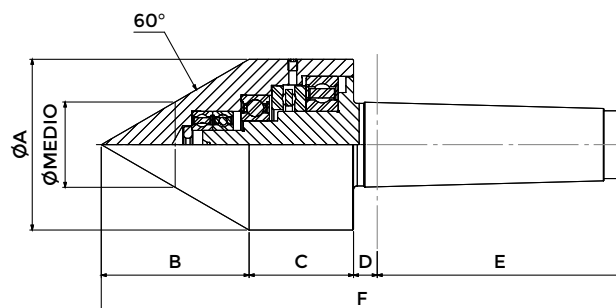
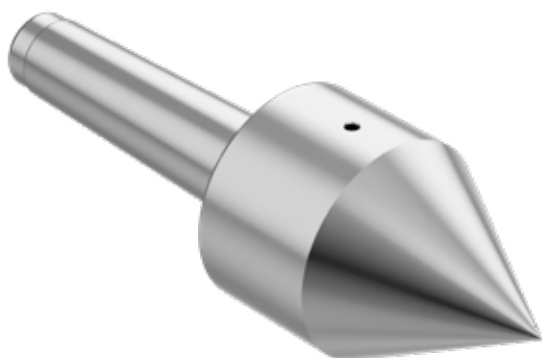
### SERIE MWS/CP-F



### SERIE-MWS/CP-F

| CODE N.   | INTERFACCIA | A   | B  | C  | D    |
|-----------|-------------|-----|----|----|------|
| 450-00154 | CM4         | 70  | 35 | 40 | 54   |
| 450-00177 | CM5         | 90  | 35 | 40 | 65   |
| 450-00192 | CM6         | 130 | 35 | 40 | 92,5 |

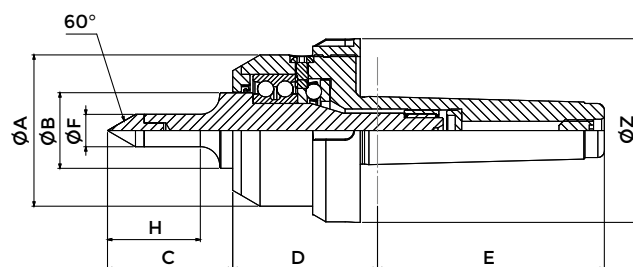
## CONTROPUNTA SPECIFICA PER TUBI



### SERIE-MWS/TU

| CODE N.   | INTERFACCIA | PESO (Kg) | CARICO (N)        | A   | B    | C    | D    | E     | F   | ECCENTRICITÀ (mm) | GIRI MAX (r.p.m.) |
|-----------|-------------|-----------|-------------------|-----|------|------|------|-------|-----|-------------------|-------------------|
| 450-00128 | CM3         | 1,5       | ASS.2450/RAD.900  | 60  | 52   | 30   | 10   | 81    | 173 | 0,015/0,008       | 5700              |
| 450-00147 | CM4         | 2,3       | ASS.3730/RAD.1320 | 70  | 60,5 | 45,5 | 11,5 | 102,5 | 220 | 0,015/0,008       | 4500              |
| 450-00149 | CM4         | 2,3       | ASS.3730/RAD.1320 | 90  | 78   | 28   | 11,5 | 102,5 | 220 | 0,015/0,008       | 4500              |
| 450-00148 | CM4         | 2,3       | ASS.3730/RAD.1320 | 110 | 95   | 10   | 11,5 | 102,5 | 220 | 0,015/0,008       | 4500              |
| 450-00170 | CM5         | 4         | ASS.4740/RAD.2360 | 90  | 78   | 55   | 12,5 | 129,5 | 275 | 0,02/0,01         | 3600              |
| 450-00171 | CM5         | 4         | ASS.4740/RAD.2360 | 110 | 95   | 38   | 12,5 | 129,5 | 275 | 0,02/0,01         | 3600              |
| 450-00176 | CM5         | 4         | ASS.4740/RAD.2360 | 200 | 173  | 15   | 12,5 | 129,5 | 330 | 0,02/0,01         | 3600              |
| 450-00190 | CM6         | 10        | ASS.6680/RAD.2480 | 110 | 95   | 60   | 17   | 182   | 354 | 0,02/0,015        | 2600              |

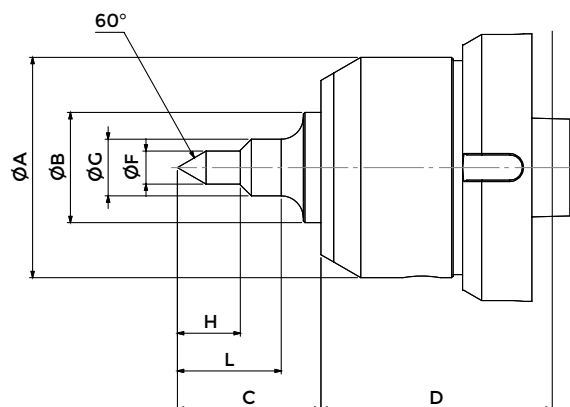
## CONTROPUNTA CON CUSPIDE IN METALLO DURO PER LAVORAZIONI DI RETTIFICA



### SERIE-MWS/RT60

| CODE N.   | INTERFACCIA | A  | B  | C  | D  | E   | F  | H  | Z   | GIRI MAX (r.p.m.) | PESO (Kg) | CARICO (N)        |
|-----------|-------------|----|----|----|----|-----|----|----|-----|-------------------|-----------|-------------------|
| 450-00130 | CM3         | 60 | 28 | 58 | 55 | 92  | 15 | 41 | 75  | 4500              | 1,1       | ASS.3040/RAD.1240 |
| 450-00150 | CM4         | 70 | 35 | 58 | 57 | 115 | 15 | 41 | 82  | 4000              | 1,9       | ASS.3730/RAD.1540 |
| 450-00173 | CM5         | 90 | 40 | 58 | 70 | 136 | 15 | 41 | 105 | 2800              | 3,9       | ASS.5100/RAD.1710 |

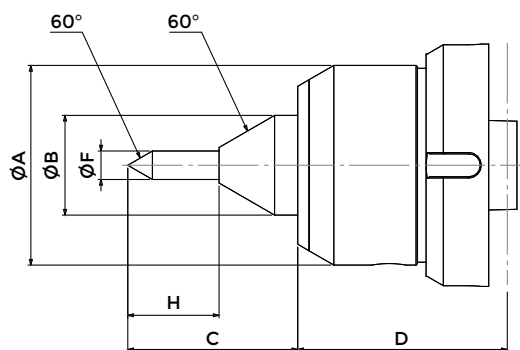
## CONTROPUNTA CON CUSPIDE IN METALLO DURO PER LAVORAZIONI DI RETTIFICA



### SERIE-MWS/RTR

| CODE N.   | INTERFACCIA | A  | B  | C  | D  | E   | F  | G  | H  | Z   | L  | GIRI MAX<br>(r.p.m.) | PESO<br>(Kg) | CARICO<br>(N)     |
|-----------|-------------|----|----|----|----|-----|----|----|----|-----|----|----------------------|--------------|-------------------|
| 450-00131 | CM3         | 60 | 28 | 46 | 55 | 92  | 10 | 18 | 20 | 75  | 33 | 4500                 | 1,1          | ASS.3040/RAD.1240 |
| 450-00152 | CM4         | 70 | 35 | 46 | 57 | 115 | 10 | 18 | 20 | 82  | 33 | 4000                 | 1,9          | ASS.3730/RAD.1540 |
| 450-00174 | CM5         | 90 | 40 | 46 | 70 | 136 | 10 | 18 | 20 | 105 | 33 | 2800                 | 3,9          | ASS.5100/RAD.1710 |

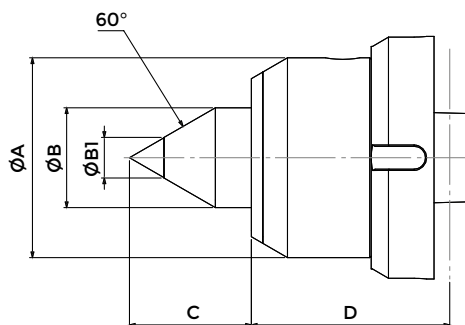
## CONTROPUNTA CON CUSPIDE IN METALLO DURO PER LAVORAZIONI DI RETTIFICA



### SERIE-MWS/RTS

| CODE N.   | INTERFACCIA | A  | B  | C    | D  | E   | F   | H  | Z   |
|-----------|-------------|----|----|------|----|-----|-----|----|-----|
| 450-00132 | CM3         | 60 | 28 | 53   | 55 | 92  | 9,7 | 32 | 75  |
| 450-00153 | CM4         | 70 | 35 | 58,9 | 57 | 115 | 9,7 | 32 | 82  |
| 450-00175 | CM5         | 90 | 40 | 64   | 70 | 136 | 9,7 | 32 | 105 |

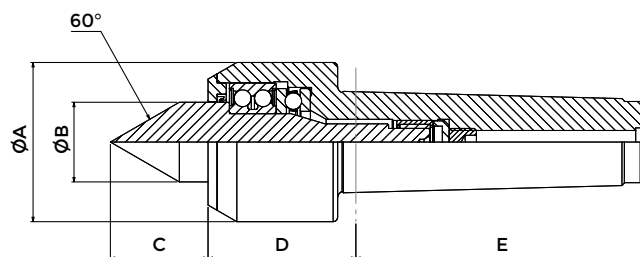
## CONTROPUNTA CON CUSPIDE IN METALLO DURO PER LAVORAZIONI DI RETTIFICA



### SERIE-MWS/RTD

| CODE N.   | INTERFACCIA | A  | B  | B1 | C  | D  | E   | Z   |
|-----------|-------------|----|----|----|----|----|-----|-----|
| 450-00127 | CM3         | 60 | 28 | 11 | 34 | 55 | 92  | 75  |
| 450-00146 | CM4         | 70 | 35 | 14 | 43 | 57 | 115 | 82  |
| 450-00169 | CM5         | 90 | 40 | 20 | 50 | 70 | 136 | 105 |

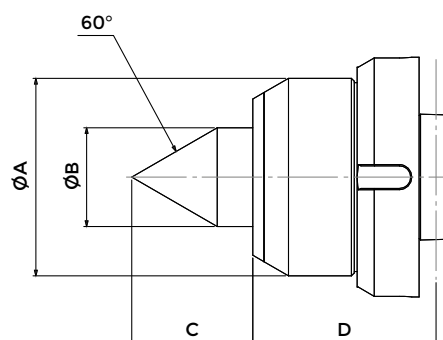
## CONTROPUNTA PER ALTE VELOCITÀ



### SERIE-K1 SPEED

| CODE N.   | INTERFACCIA | A  | B  | C  | D    | E     | CARICO (N)        | GIRI MAX (r.p.m.) |
|-----------|-------------|----|----|----|------|-------|-------------------|-------------------|
| 450-00196 | CM2         | 42 | 20 | 25 | 48   | 64    | ASS.1650/RAD.610  | 6500              |
| 450-00198 | CM3         | 42 | 20 | 25 | 48   | 81    | ASS.2110/RAD.630  | 6000              |
| 450-00207 | CM4         | 62 | 28 | 34 | 61,5 | 102,5 | ASS.3040/RAD.1490 | 4500              |
| 450-00217 | CM5         | 70 | 35 | 43 | 61,5 | 139,5 | ASS.3730/RAD.1750 | 4000              |

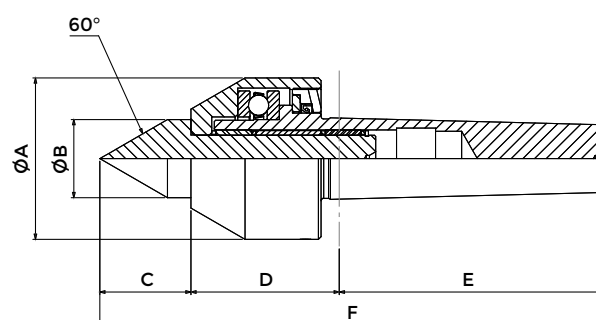
## CONTROPUNTA PER ALTE VELOCITÀ CON GHIERA DI ESTRAZIONE



### SERIE-K1 SPEED/RN

| CODE N.   | INTERFACCIA | A  | B  | C  | D    | E     | Z  |
|-----------|-------------|----|----|----|------|-------|----|
| 450-00211 | CM4         | 60 | 28 | 34 | 61,5 | 102,5 | 75 |
| 450-00220 | CM5         | 70 | 35 | 43 | 63,5 | 129,5 | 82 |

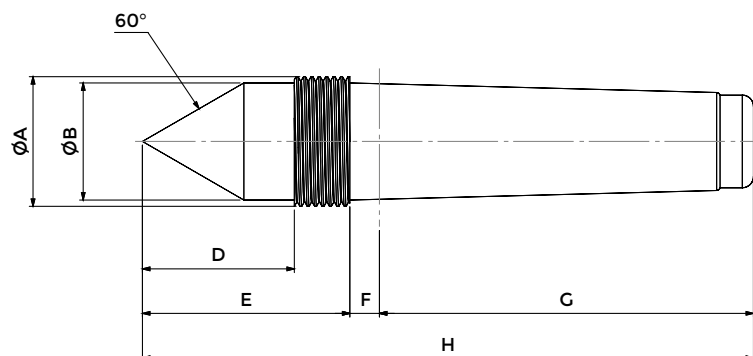
## CONTROPUNTA A BASSA VELOCITÀ SENZA GHIERA DI ESTRAZIONE E CON CUSPIDE E CALOTTA ROTANTI



### SERIE-K1 SLOW

| CODE N.   | INTERFACCIA | A  | B  | C  | D    | E     | F   | PESO (Kg) | CARICO (N)        | GIRI MAX (r.p.m.) |
|-----------|-------------|----|----|----|------|-------|-----|-----------|-------------------|-------------------|
| 450-00001 | CM3         | 56 | 24 | 28 | 57   | 81    | 166 | 1,3       | ASS.4380/RAD.790  | 4000              |
| 450-00002 | CM4         | 62 | 30 | 35 | 56,5 | 102,5 | 194 | 1,8       | ASS.4040/RAD.880  | 3500              |
| 450-00003 | CM5         | 79 | 38 | 45 | 65,5 | 129,5 | 240 | 3,5       | ASS.6330/RAD.1540 | 2500              |

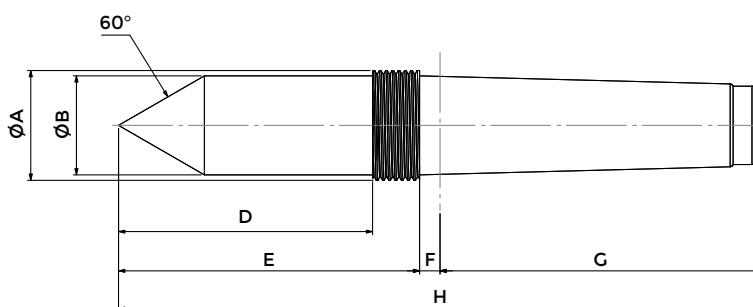
## PUNTE FISSE PER TORNITURA



### SERIE-K3

| CODE N.   | INTERFACCIA | A       | B    | D    | E    | F   | G     | H     |
|-----------|-------------|---------|------|------|------|-----|-------|-------|
| 450-00038 | CM3         | M30X1,5 | 24   | 35   | 50   | 5   | 81    | 136   |
| 450-00063 | CM4         | M35X1,5 | 31,5 | 41   | 56   | 6,5 | 102,5 | 165   |
| 450-00091 | CM5         | M50X1,5 | 44   | 65   | 80   | 6,5 | 129,5 | 216   |
| 450-00113 | CM6         | M70X2   | 64   | 80,5 | 95,5 | 8   | 182   | 285,5 |

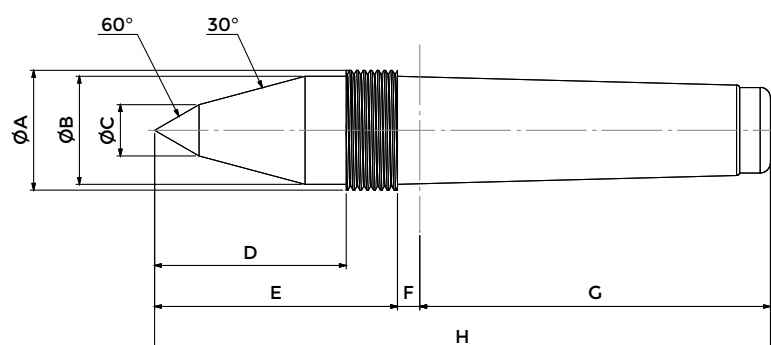
## PUNTA FISSA LUNGA PER TORNITURA



### SERIE-K3L

| CODE N.   | INTERFACCIA | A       | B    | D     | E     | F   | G     | H     |
|-----------|-------------|---------|------|-------|-------|-----|-------|-------|
| 450-00045 | CM3         | M30X1,5 | 24   | 70    | 85    | 5   | 81    | 171   |
| 450-00055 | CM4         | M35X1,5 | 31,5 | 81    | 96    | 6,5 | 102,5 | 205   |
| 450-00098 | CM5         | M50X1,5 | 44   | 105   | 120   | 6,5 | 129,5 | 256   |
| 450-00105 | CM6         | M70X2   | 64   | 110,5 | 125,5 | 8   | 182   | 315,5 |

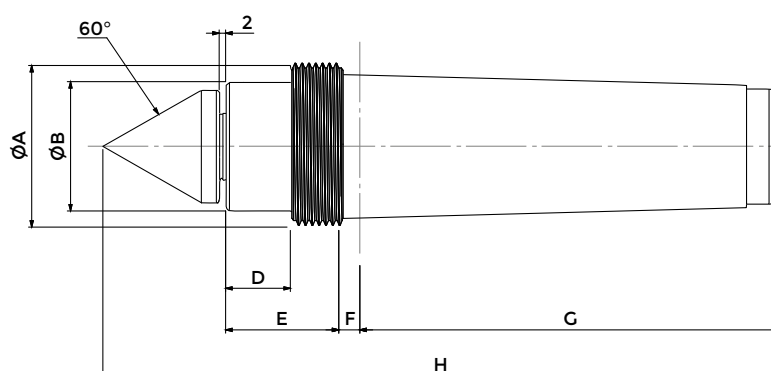
## PUNTA FISSA PER TORNITURA



### SERIE-K3R

| CODE N.   | INTERFACCIA | A       | B    | C  | D     | E     | F   | G     | H     |
|-----------|-------------|---------|------|----|-------|-------|-----|-------|-------|
| 450-00041 | CM3         | M30X1,5 | 24   | 12 | 47    | 62    | 5   | 81    | 148   |
| 450-00066 | CM4         | M35X1,5 | 31,5 | 15 | 56    | 71    | 6,5 | 102,5 | 180   |
| 450-00094 | CM5         | M50X1,5 | 44   | 18 | 80    | 95    | 6,5 | 129,5 | 231   |
| 450-00115 | CM6         | M70X2   | 64   | 20 | 124,4 | 139,4 | 8   | 182   | 329,4 |

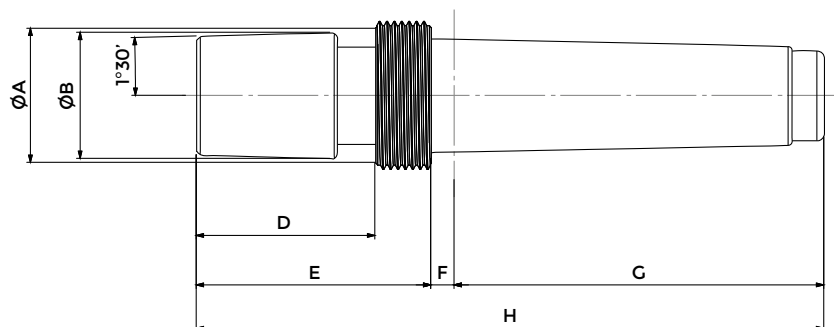
## PUNTA FISSA PER TORNITURA CON CUSPIDE INTERCAMBIABILE



### SERIE-K3/IP

| CODE N.   | INTERFACCIA | A       | B  | D  | E  | F   | G     | H   |
|-----------|-------------|---------|----|----|----|-----|-------|-----|
| 450-00039 | CM3         | M30X1,5 | 26 | 20 | 35 | 5   | 81    | 151 |
| 450-00064 | CM4         | M35X1,5 | 32 | 20 | 35 | 6,5 | 102,5 | 167 |
| 450-00092 | CM5         | M50X1,5 | 40 | 20 | 35 | 6,5 | 129,5 | 209 |

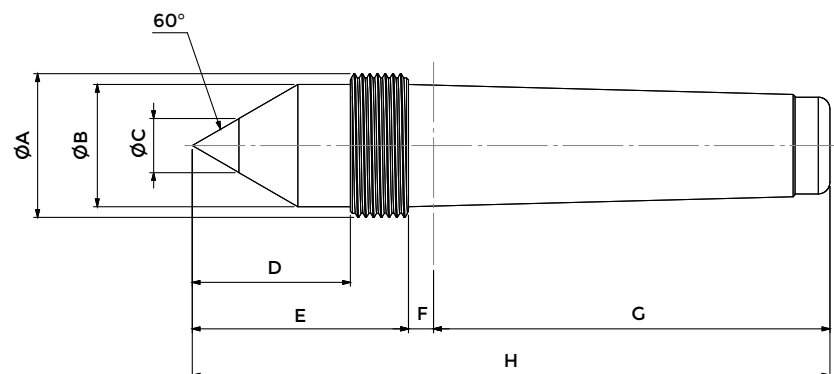
## PUNTA FISSA PER TORNITURA CON CUSPIDE PORTAFLANGIA



### SERIE-K3/F

| CODE N.   | INTERFACCIA | A       | B  | D  | E  | F   | G     | H   |
|-----------|-------------|---------|----|----|----|-----|-------|-----|
| 450-00042 | CM3         | M30X1,5 | 35 | 50 | 65 | 5   | 81    | 151 |
| 450-00067 | CM4         | M35X1,5 | 35 | 50 | 65 | 6,5 | 102,5 | 174 |
| 450-00095 | CM5         | M50X1,5 | 35 | 50 | 65 | 6,5 | 129,5 | 231 |
| 450-00116 | CM6         | M70X2   | 35 | 50 | 65 | 8   | 182   | 255 |

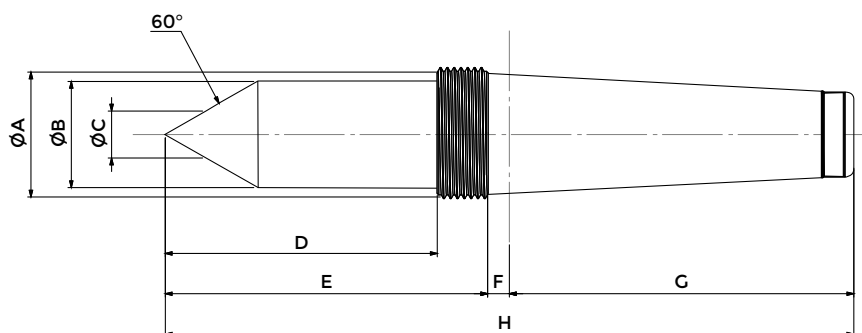
## PUNTA FISSA PER RETTIFICA



### SERIE-K4/RT

| CODE N.   | INTERFACCIA | A       | B    | C    | D    | E    | F   | G     | H     |
|-----------|-------------|---------|------|------|------|------|-----|-------|-------|
| 450-00040 | CM3         | M30X1,5 | 24   | 11   | 35   | 50   | 5   | 81    | 136   |
| 450-00025 | CM3         | M30X1,5 | 24   | 24   | 35   | 50   | 5   | 81    | 136   |
| 450-00065 | CM4         | M35X1,5 | 31,5 | 14   | 41   | 56   | 6,5 | 102,5 | 165   |
| 450-00051 | CM4         | M35X1,5 | 31,5 | 31,5 | 41   | 56   | 6,5 | 102,5 | 165   |
| 450-00093 | CM5         | M50X1,5 | 44   | 25   | 65   | 80   | 6,5 | 129,5 | 216   |
| 450-00078 | CM5         | M50X1,5 | 44   | 44   | 65   | 80   | 6,5 | 129,5 | 216   |
| 450-00114 | CM6         | M70X2   | 64   | 40   | 80,5 | 95,5 | 8   | 182   | 285,5 |

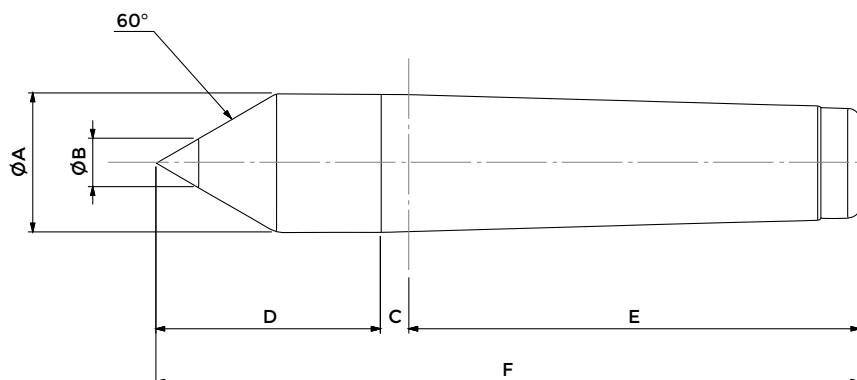
## PUNTA FISSA LUNGA PER RETTIFICA



### SERIE-K4/RT L

| CODE N.   | INTERFACCIA | A       | B    | C    | D     | E     | F   | G     | H     |
|-----------|-------------|---------|------|------|-------|-------|-----|-------|-------|
| 450-00046 | CM3         | M30X1,5 | 24   | 11   | 70    | 85    | 5   | 81    | 171   |
| 450-00047 | CM3         | M30X1,5 | 24   | 24   | 70    | 85    | 5   | 81    | 171   |
| 450-00056 | CM4         | M35X1,5 | 31,5 | 14   | 81    | 96    | 6,5 | 102,5 | 205   |
| 450-00057 | CM4         | M35X1,5 | 31,5 | 31,5 | 81    | 96    | 6,5 | 102,5 | 205   |
| 450-00099 | CM5         | M50X1,5 | 44   | 25   | 105   | 120   | 6,5 | 129,5 | 256   |
| 450-00100 | CM5         | M50X1,5 | 44   | 44   | 105   | 120   | 6,5 | 129,5 | 256   |
| 450-00114 | CM6         | M70X2   | 64   | 40   | 110,5 | 125,5 | 8   | 182   | 315,5 |

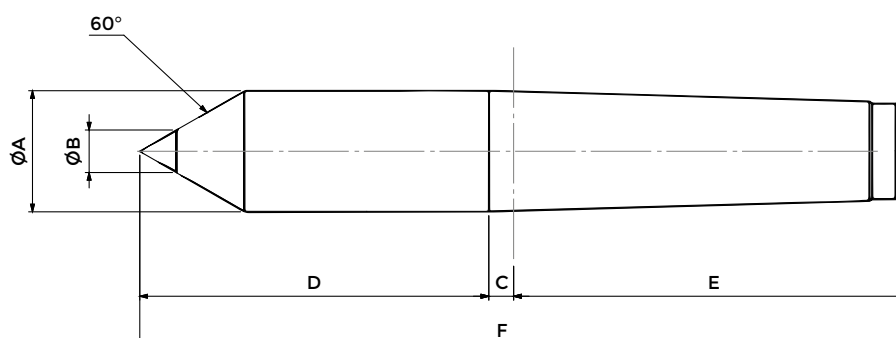
## PUNTA FISSA PER RETTIFICA IN METALLO DURO



### SERIE-K4/RT-NG

| CODE N.   | INTERFACCIA | A    | B    | C   | D  | E     | F   |
|-----------|-------------|------|------|-----|----|-------|-----|
| 450-00036 | CM3         | 24,1 | 11   | 5   | 39 | 81    | 125 |
| 450-00034 | CM3         | 24,1 | 24,1 | 5   | 39 | 81    | 125 |
| 450-00061 | CM4         | 31,6 | 14   | 6,5 | 51 | 102,5 | 160 |
| 450-00073 | CM4         | 31,6 | 31,6 | 6,5 | 51 | 102,5 | 160 |
| 450-00089 | CM5         | 44,7 | 25   | 6,5 | 64 | 129,5 | 200 |
| 450-00082 | CM5         | 44,7 | 44,7 | 6,5 | 64 | 129,5 | 200 |
| 450-00111 | CM6         | 63,8 | 40   | 8   | 80 | 182   | 270 |

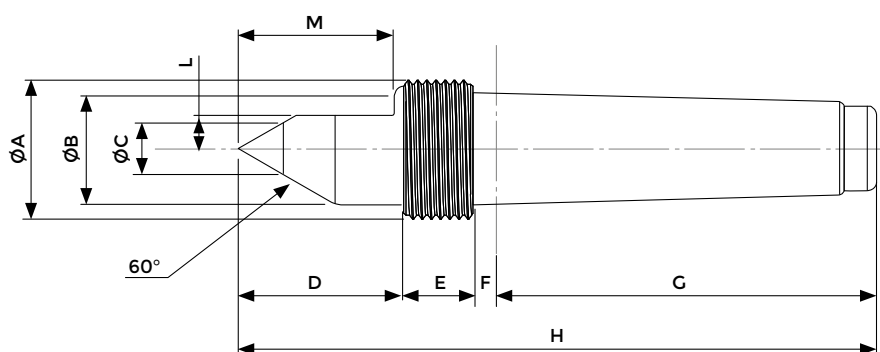
## PUNTA FISSA LUNGA PER RETTIFICA IN METALLO DURO



### SERIE-K4/RT-NGL

| CODE N.   | INTERFACCIA | A    | B    | C   | D   | E     | F   |
|-----------|-------------|------|------|-----|-----|-------|-----|
| 450-00031 | CM3         | 24,1 | 11   | 5   | 74  | 81    | 160 |
| 450-00030 | CM3         | 24,1 | 24,1 | 5   | 74  | 81    | 160 |
| 450-00069 | CM4         | 31,6 | 14   | 6,5 | 91  | 102,5 | 200 |
| 450-00068 | CM4         | 31,6 | 31,6 | 6,5 | 91  | 102,5 | 200 |
| 450-00087 | CM5         | 44,7 | 25   | 6,5 | 104 | 129,5 | 240 |
| 450-00086 | CM5         | 44,7 | 44,7 | 6,5 | 104 | 129,5 | 240 |
| 450-00109 | CM6         | 63,8 | 40   | 8   | 110 | 180   | 300 |

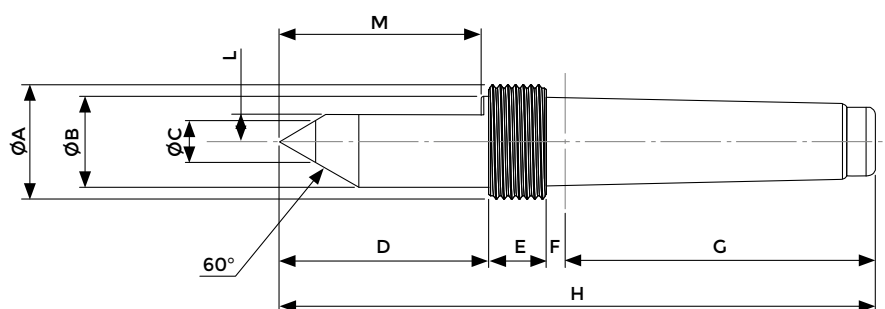
## PUNTA FISSA PER RETTIFICA TAGLIATA



### SERIE-K4/RT-T

| CODE N.   | INTERFACCIA | A       | B    | C    | D    | E    | F   | G     | H     | L    | M  |
|-----------|-------------|---------|------|------|------|------|-----|-------|-------|------|----|
| 450-00026 | CM3         | M30X1,5 | 24   | 11   | 35   | 50   | 5   | 81    | 136   | 7    | 33 |
| 450-00043 | CM3         | M30X1,5 | 24   | 18   | 35   | 50   | 5   | 81    | 136   | 10,5 | 33 |
| 450-00044 | CM3         | M30X1,5 | 24   | 24   | 35   | 50   | 5   | 81    | 136   | 9    | 33 |
| 450-00052 | CM4         | M35X1,5 | 31,6 | 14   | 41   | 56   | 6,5 | 102,5 | 165   | 8,5  | 38 |
| 450-00053 | CM4         | M35X1,5 | 31,6 | 20   | 41   | 56   | 6,5 | 102,5 | 165   | 11,5 | 38 |
| 450-00054 | CM4         | M35X1,5 | 31,6 | 31,6 | 41   | 56   | 6,5 | 102,5 | 165   | 10,5 | 38 |
| 450-00079 | CM5         | M50X1,5 | 44,7 | 14   | 65   | 80   | 6,5 | 129,5 | 216   | 9    | 61 |
| 450-00096 | CM5         | M50X1,5 | 44,7 | 30   | 65   | 80   | 6,5 | 129,5 | 216   | 17   | 61 |
| 450-00097 | CM5         | M50X1,5 | 44,7 | 44,7 | 65   | 80   | 6,5 | 129,5 | 216   | 17   | 61 |
| 450-00104 | CM6         | M70X2   | 64   | 40   | 80,5 | 95,5 | 8   | 182   | 285,5 | 22   | 75 |

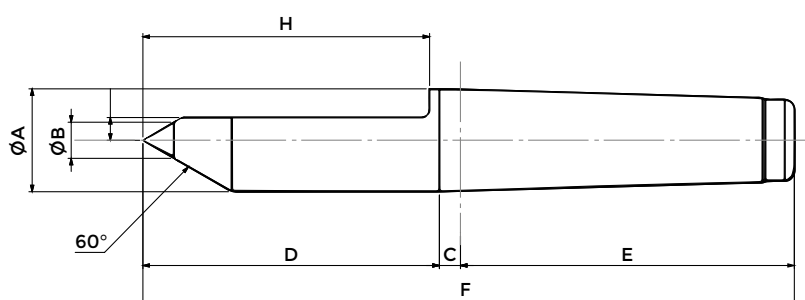
## PUNTA FISSA PER RETTIFICA TAGLIATA LUNGA



### SERIE-K4/RT-TL

| CODE N.   | INTERFACCIA | A       | B    | C    | D     | E     | F   | G     | H     | L    | M   |
|-----------|-------------|---------|------|------|-------|-------|-----|-------|-------|------|-----|
| 450-00048 | CM3         | M30X1,5 | 24   | 11   | 70    | 85    | 5   | 81    | 171   | 7    | 68  |
| 450-00049 | CM3         | M30X1,5 | 24   | 18   | 70    | 85    | 5   | 81    | 171   | 10,5 | 68  |
| 450-00050 | CM3         | M30X1,5 | 24   | 24   | 70    | 85    | 5   | 81    | 171   | 9    | 68  |
| 450-00058 | CM4         | M35X1,5 | 31,6 | 14   | 81    | 96    | 6,5 | 102,5 | 205   | 8,5  | 78  |
| 450-00059 | CM4         | M35X1,5 | 31,6 | 20   | 81    | 96    | 6,5 | 102,5 | 205   | 11,5 | 78  |
| 450-00077 | CM4         | M35X1,5 | 31,6 | 31,6 | 81    | 96    | 6,5 | 102,5 | 205   | 10,5 | 78  |
| 450-00101 | CM5         | M50X1,5 | 44,7 | 14   | 105   | 120   | 6,5 | 129,5 | 256   | 9    | 101 |
| 450-00102 | CM5         | M50X1,5 | 44,7 | 30   | 105   | 120   | 6,5 | 129,5 | 256   | 17   | 101 |
| 450-00103 | CM5         | M50X1,5 | 44,7 | 44,7 | 105   | 120   | 6,5 | 129,5 | 256   | 17   | 101 |
| 450-00107 | CM6         | M70X2   | 64   | 40   | 110,5 | 125,5 | 8   | 182   | 315,5 | 22   | 105 |

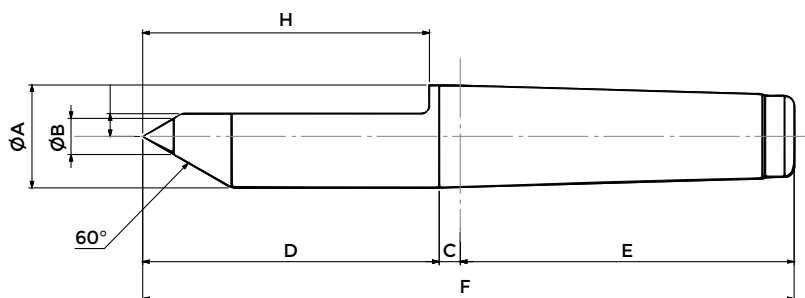
## PUNTA FISSA PER RETTIFICA TAGLIATA IN METALLO DURO



### SERIE-K4/RT-NGT

| CODE N.   | INTERFACCIA | A    | B    | C   | D  | E     | F   | G    | H  |
|-----------|-------------|------|------|-----|----|-------|-----|------|----|
| 450-00037 | CM3         | 24,1 | 11   | 5   | 39 | 81    | 125 | 7    | 37 |
| 450-00033 | CM3         | 24,1 | 18   | 5   | 39 | 81    | 125 | 10,5 | 37 |
| 450-00032 | CM3         | 24,1 | 24,1 | 5   | 39 | 81    | 125 | 9    | 37 |
| 450-00076 | CM4         | 31,6 | 14   | 6,5 | 51 | 102,5 | 160 | 8,5  | 48 |
| 450-00075 | CM4         | 31,6 | 20   | 6,5 | 51 | 102,5 | 160 | 11,5 | 48 |
| 450-00074 | CM4         | 31,6 | 31,6 | 6,5 | 51 | 102,5 | 160 | 10,5 | 48 |
| 450-00090 | CM5         | 44,7 | 14   | 6,5 | 64 | 129,5 | 200 | 9    | 60 |
| 450-00081 | CM5         | 44,7 | 30   | 6,5 | 64 | 129,5 | 200 | 17   | 60 |
| 450-00080 | CM5         | 44,7 | 44,7 | 6,5 | 64 | 129,5 | 200 | 17   | 60 |
| 450-00112 | CM6         | 63,8 | 40   | 8   | 80 | 182   | 270 | 22   | 75 |

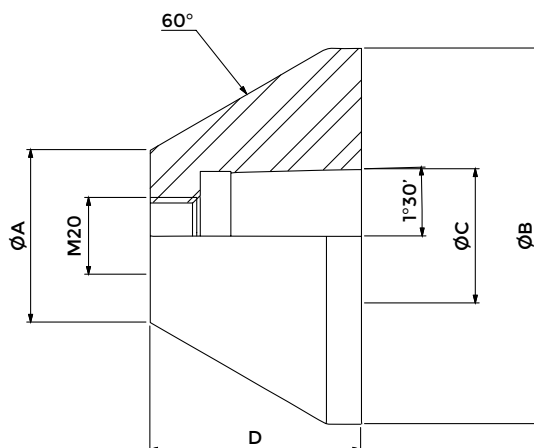
## PUNTA FISSA PER RETTIFICA TAGLIATA LUNGA IN METALLO DURO



### SERIE-K4/RT-NGTL

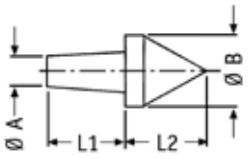
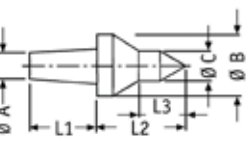
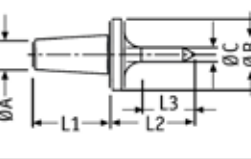
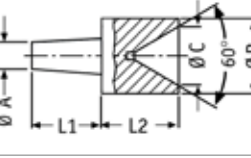
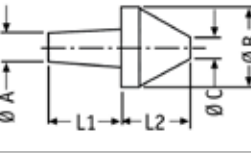
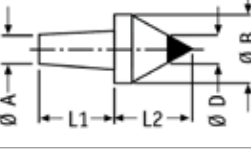
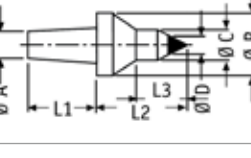
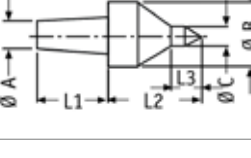
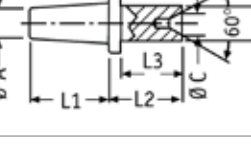
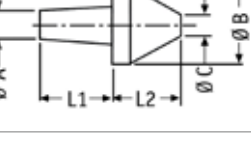
| CODE N.   | INTERFACCIA | A    | B    | C   | D   | E     | F   | G    | H   |
|-----------|-------------|------|------|-----|-----|-------|-----|------|-----|
| 450-00029 | CM3         | 24,1 | 11   | 5   | 74  | 81    | 160 | 7    | 72  |
| 450-00028 | CM3         | 24,1 | 18   | 5   | 74  | 81    | 160 | 10,5 | 72  |
| 450-00027 | CM3         | 24,1 | 24,1 | 5   | 74  | 81    | 160 | 9    | 72  |
| 450-00072 | CM4         | 31,6 | 14   | 6,5 | 91  | 102,5 | 200 | 8,5  | 88  |
| 450-00071 | CM4         | 31,6 | 20   | 6,5 | 91  | 102,5 | 200 | 11,5 | 88  |
| 450-00070 | CM4         | 31,6 | 31,6 | 6,5 | 91  | 102,5 | 200 | 10,5 | 88  |
| 450-00085 | CM5         | 44,7 | 14   | 6,5 | 104 | 129,5 | 240 | 9    | 100 |
| 450-00084 | CM5         | 44,7 | 30   | 6,5 | 104 | 129,5 | 240 | 17   | 100 |
| 450-00083 | CM5         | 44,7 | 44,7 | 6,5 | 104 | 129,5 | 240 | 17   | 100 |
| 450-00108 | CM6         | 63,8 | 40   | 8   | 110 | 182   | 300 | 22   | 105 |

## FLANGE PER CONTROPUNTA

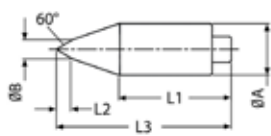
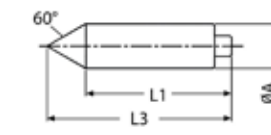
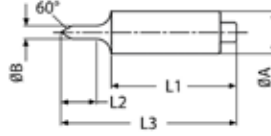
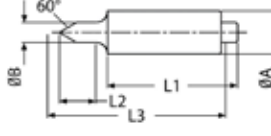
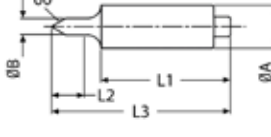


| CODE N.   | MODEL       | A   | B   | C  | D  |
|-----------|-------------|-----|-----|----|----|
| 450-00119 | MWS 45X98   | 45  | 98  | 35 | 55 |
| 450-00120 | MWS 95X148  | 95  | 148 | 35 | 55 |
| 450-00121 | MWS 145X198 | 145 | 198 | 35 | 55 |
| 450-00122 | MWS 195X248 | 195 | 248 | 35 | 55 |
| 450-00123 | MWS 245X298 | 245 | 298 | 35 | 55 |

## CUSPIDI PER SERIE-MWS-IP HP

|                                                                                     | CODE N.   | FORMA | CONO MORSE | L1 | L2 | L3   | A    | B  | C  | D  |
|-------------------------------------------------------------------------------------|-----------|-------|------------|----|----|------|------|----|----|----|
|    | 450-00133 | A     | 3          | 27 | 28 | -    | 10,4 | 25 | -  | -  |
|                                                                                     | 450-00156 | A     | 4          | 29 | 31 | -    | 12   | 29 | -  | -  |
|                                                                                     | 450-00179 | A     | 5          | 30 | 36 | -    | 17,2 | 35 | -  | -  |
|    | 450-00135 | B     | 3          | 27 | 34 | 16   | 10,4 | 25 | 12 | -  |
|                                                                                     | 450-00158 | B     | 4          | 29 | 37 | 16,5 | 12   | 29 | 12 | -  |
|                                                                                     | 450-00181 | B     | 5          | 30 | 42 | 19   | 17,2 | 35 | 15 | -  |
|    | 450-00136 | C     | 3          | 27 | 30 | 19   | 10,4 | 25 | 5  | -  |
|                                                                                     | 450-00159 | C     | 4          | 29 | 30 | 19   | 12   | 29 | 5  | -  |
|                                                                                     | 450-00182 | C     | 5          | 29 | 30 | 19   | 17,2 | 29 | 5  | -  |
|   | 450-00139 | D     | 3          | 27 | 30 | -    | 10,4 | 29 | 23 | -  |
|                                                                                     | 450-00162 | D     | 4          | 29 | 30 | -    | 12   | 29 | 23 | -  |
|                                                                                     | 450-00185 | D     | 5          | 30 | 35 | -    | 17,2 | 35 | 27 | -  |
|  | 450-00141 | E     | 3          | 27 | 35 | -    | 10,4 | 59 | 26 | -  |
|                                                                                     | 450-00164 | E     | 4          | 29 | 35 | -    | 12   | 59 | 26 | -  |
|                                                                                     | 450-00187 | E     | 5          | 30 | 35 | -    | 17,2 | 59 | 26 | -  |
|  | 450-00134 | F     | 3          | 27 | 28 | -    | 10,4 | 25 | -  | 11 |
|                                                                                     | 450-00157 | F     | 4          | 29 | 31 | -    | 12   | 29 | -  | 11 |
|                                                                                     | 450-00180 | F     | 5          | 30 | 36 | -    | 17,2 | 35 | -  | 14 |
|  | 450-00137 | G     | 3          | 27 | 34 | 16   | 10,4 | 25 | 12 | 7  |
|                                                                                     | 450-00160 | G     | 4          | 29 | 37 | 16,5 | 12   | 29 | 12 | 7  |
|                                                                                     | 450-00183 | G     | 5          | 30 | 42 | 19   | 17,2 | 35 | 15 | 11 |
|  | 450-00138 | H     | 3          | 27 | 34 | 11   | 10,4 | 25 | 7  | -  |
|                                                                                     | 450-00161 | H     | 4          | 29 | 37 | 13   | 12   | 29 | 7  | -  |
|                                                                                     | 450-00184 | H     | 5          | 30 | 42 | 12   | 17,2 | 35 | 7  | -  |
|  | 450-00140 | I     | 3          | 27 | 25 | 21   | 10,4 | 12 | 8  | -  |
|                                                                                     | 450-00163 | I     | 4          | 29 | 25 | 21   | 12   | 12 | 8  | -  |
|                                                                                     | 450-00186 | I     | 5          | 30 | 25 | 21   | 17,2 | 12 | 8  | -  |
|  | 450-00142 | L     | 3          | 27 | 35 | -    | 10,4 | 78 | 46 | -  |
|                                                                                     | 450-00165 | L     | 4          | 29 | 35 | -    | 12   | 78 | 46 | -  |
|                                                                                     | 450-00188 | L     | 5          | 30 | 35 | -    | 17,2 | 78 | 46 | -  |

## CUSPIDI PER SERIE-K1

|                                                                                     | CODE N.   | FORMA | CONO MORSE | L1 | L2 | L3 | A  | B |
|-------------------------------------------------------------------------------------|-----------|-------|------------|----|----|----|----|---|
|    | 450-00203 | A     | 3          | 34 | 5  | 54 | 13 | 6 |
|                                                                                     | 450-00213 | A     | 4          | 35 | 5  | 55 | 16 | 6 |
|                                                                                     | 450-00222 | A     | 5          | 32 | 5  | 57 | 21 | 6 |
|    | 450-00202 | B     | 3          | 42 | -  | 54 | 13 | - |
|                                                                                     | 450-00212 | B     | 4          | 41 | -  | 55 | 16 | - |
|                                                                                     | 450-00221 | B     | 5          | 38 | -  | 57 | 21 | - |
|    | 450-00206 | C     | 3          | 39 | 11 | 54 | 13 | 4 |
|                                                                                     | 450-00216 | C     | 4          | 38 | 11 | 55 | 16 | 4 |
|                                                                                     | 450-00225 | C     | 5          | 37 | 11 | 57 | 21 | 4 |
|   | 450-00204 | D     | 3          | 39 | 11 | 54 | 13 | 6 |
|                                                                                     | 450-00214 | D     | 4          | 38 | 12 | 55 | 16 | 6 |
|                                                                                     | 450-00223 | D     | 5          | 37 | 12 | 57 | 21 | 6 |
|  | 450-00205 | E     | 3          | 39 | 11 | 54 | 13 | 4 |
|                                                                                     | 450-00215 | E     | 4          | 38 | 11 | 55 | 16 | 4 |
|                                                                                     | 450-00224 | E     | 5          | 37 | 11 | 57 | 21 | 4 |

## MOLLE PER SERIE-K1

| MOLLE                                                                                               | CODE N.   | TIPOLOGIA  | Nm   |
|-----------------------------------------------------------------------------------------------------|-----------|------------|------|
| MOLLA ORO<br>    | 450-00227 | CM3/DIAM22 | 261  |
|                                                                                                     | 450-00228 | CM4/DIAM28 | 320  |
|                                                                                                     | 450-00229 | CM5/DIAM32 | 380  |
| MOLLA VERDE<br>  | 450-00237 | CM3/DIAM22 | 61,3 |
|                                                                                                     | 450-00240 | CM4/DIAM28 | 87,3 |
|                                                                                                     | 450-00241 | CM5/DIAM32 | 96,4 |
| MOLLA ROSSA<br>  | 450-00234 | CM3/DIAM22 | 24,5 |
|                                                                                                     | 450-00235 | CM4/DIAM28 | 44,4 |
|                                                                                                     | 450-00236 | CM5/DIAM32 | 34,1 |
| MOLLA BLU<br>    | 450-00238 | CM3/DIAM22 | 17,8 |
|                                                                                                     | 450-00239 | CM4/DIAM28 | 25,8 |
|                                                                                                     | 450-00233 | CM5/DIAM32 | 23   |
| MOLLA GIALLA<br> | 450-00230 | CM3/DIAM22 | 9,8  |
|                                                                                                     | 450-00231 | CM4/DIAM28 | 13,7 |
|                                                                                                     | 450-00232 | CM5/DIAM32 | 14,1 |



READY, ALWAYS.