# PROGRAMA


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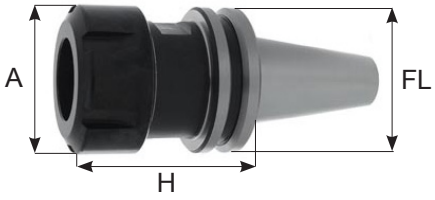
|---|---|---|---|---|---|---|
| | | | | | | |
| PAG. 3 | PAG. 3 | PAG. 4 | PAG. 4 | PAG. 5 | PAG. 5 | PAG. 6 |
| | | | | | | |
| PAG. 6 | PAG. 7 | PAG. 8 | PAG. 8 | PAG. 9 | PAG. 9 | PAG. 9 |
| | | | | | | |
| PAG. 9 | PAG. 9 | PAG. 9 | | | | |

MADERA
ALUMINIO

## Porta pinzas ER tuerca STANDARD
*Collet chucks without driving Slots*




## FLANGIA 46mm — ROTACION DERECHA

| REFERENCIA | FAM | CAP | RPM | FL | H | A |
|---|---|---|---|---|---|---|
| WD30C.H60.ERC32RH | 1 | 2 ÷ 22 | 20.000 | 46 | 60 | 50 |
| WD30C.H65.ERC40RH | | 3 ÷ 30 | | | 65 | 63 |

## FLANGIA 46mm — ROTACION IZQUIERDA

| REFERENCIA | FAM | CAP | RPM | FL | H | A |
|---|---|---|---|---|---|---|
| WD30C.H60.ERC32LH | 1 | 2 ÷ 22 | 20.000 | 46 | 60 | 50 |
| WD30C.H65.ERC40LH | | 3 ÷ 30 | | | 65 | 63 |

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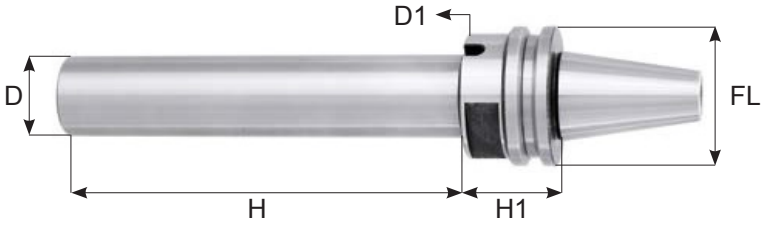
ALUMINIO

## Mandrino Porta fresas TCL30
*Collet chucks TCL30*




## FLANGIA 46mm Ø EJE 30

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D30x80.FL46 | 5 | MND3048 | 24.000 | 46 | 35 | 30 | 80 | 45 |
| TCL30.D30x100.FL46 | | MND2978 | | | | | 100 | |
| TCL30.D30x150.FL46 | | MND3051 | | | | | 150 | |
| TCL30.D30x200.FL46 | | MND3146 | | | | | 200 | |

## FLANGIA 46mm Ø EJE 35

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D35x80.FL46 | 5 | MND3147 | 24.000 | 46 | 35 | 35 | 80 | 50 |
| TCL30.D35x100.FL46 | | MND3148 | | | | | 100 | |
| TCL30.D35x150.FL46 | | MND0352 | | | | | 150 | |
| TCL30.D35x200.FL46 | | MND3149 | | | | | 200 | |

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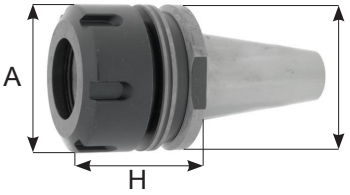
## Porta pinzas ER tuerca STANDARD
*Collet chucks without driving Slots*




## FLANGIA 50mm — ROTACION DERECHA

| REFERENCIA | FAM | CAP | RPM | FL | H | A |
|---|---|---|---|---|---|---|
| WD30.H50.ERC32RH | 1 | 2 ÷ 22 | 20.000 | 50 | 50 | 50 |
| WD30.H68.ERC32RH | | 2 ÷ 22 | | | 68 | |
| WD30.H57.ERC40RH | | 3 ÷ 30 | | | 57 | 63 |

## FLANGIA 50mm — ROTACION IZQUIERDA

| REFERENCIA | FAM | CAP | RPM | FL | H | A |
|---|---|---|---|---|---|---|
| WD30.H50.ER32LH | 1 | 2 ÷ 22 | 20.000 | 50 | 50 | 50 |
| WD30.H68.ERC32LH | | 2 ÷ 22 | | | 68 | |
| WD30.H57.ERC40LH | | 3 ÷ 30 | | | 57 | 63 |



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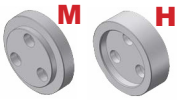
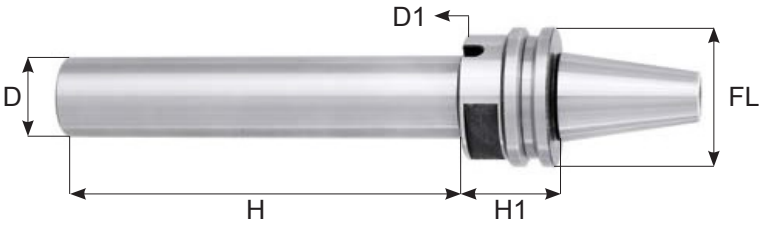
## Mandrino Porta fresas TCL30
*Collet chucks TCL30*




## FLANGIA 50mm Ø EJE 30

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D30x80.FL50 | 5 | MND0254 | 24.000 | 50 | 35 | 30 | 80 | 45 |
| TCL30.D30x100.FL50 | | MND2967 | | | | | 100 | |
| TCL30.D30x150.FL50 | | MND3052 | | | | | 150 | |
| TCL30.D30x200.FL50 | | MND3133 | | | | | 200 | |

## FLANGIA 50mm Ø EJE 35

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D35x80.FL50 | 5 | MND3135 | 24.000 | 50 | 35 | 35 | 80 | 48 |
| TCL30.D35x100.FL50 | | MND3136 | | | | | 100 | |
| TCL30.D35x150.FL50 | | MND0264 | | | | | 150 | |
| TCL30.D35x200.FL50 | | MND3137 | | | | | 200 | |

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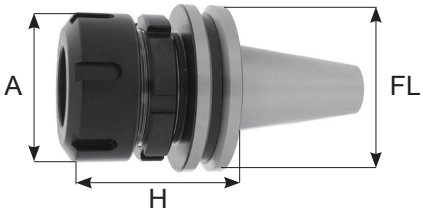
## Porta pinzas ER tuerca STANDARD
*Collet chucks without driving Slots*




## FLANGIA 58mm

**ROTACION DERECHA**

| REFERENCIA | FAM | CAP | RPM | FL | H | A |
|---|---|---|---|---|---|---|
| WD30U.H63.ERC32RH | 1 | 2 ÷ 22 | 20.000 | 58 | 63 | 50 |

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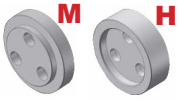
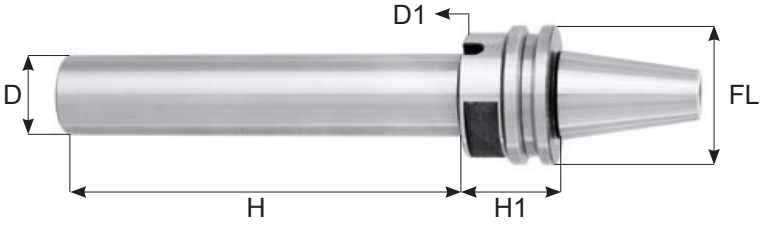
## Mandrino Porta fresas TCL30
*Collet chucks TCL30*

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## FLANGIA 58mm Ø EJE 30

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D30x80.FL58 | 5 | MND3138 | 24.000 | 58 | 35 | 30 | 80 | 45 |
| TCL30.D30x100.FL58 | | MND3139 | | | | | 100 | |
| TCL30.D30x150.FL58 | | MND3140 | | | | | 150 | |
| TCL30.D30x200.FL58 | | MND3141 | | | | | 200 | |

## FLANGIA 58mm Ø EJE 35

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D35x80.FL58 | 5 | MND3142 | 24.000 | 58 | 35 | 35 | 80 | 50 |
| TCL30.D35x100.FL58 | | MND3143 | | | | | 100 | |
| TCL30.D35x150.FL58 | | MND3144 | | | | | 150 | |
| TCL30.D35x200.FL58 | | MND3145 | | | | | 200 | |

## MACHO

| REFERENCIA | FAM | COD |
|---|---|---|
| FLANGIA.D30M | 5 | SID1674 |
| FLANGIA.D35M | | SID1677 |

## HEMBRA

| REFERENCIA | FAM | COD |
|---|---|---|
| FLANGIA.D30H | 5 | SID1673 |
| FLANGIA.D35H | | SID1676 |

MADERA
ALUMINIO

## Mandrino Porta pinzas TCL30 SCM
*Collet chucks TCL30 SCM*

## FLANGIA 49mm

DX= DERECHA SX= IZQUIERDA

| REFERENCIA | FAM | COD | CAP | RPM | H | FL |
|---|---|---|---|---|---|---|
| TCL30.H55.ERX32DX | 5 | MND1673 | 2 ÷ 22 | 24.000 | 55 | 49 |
| TCL30.H55.ERX32SX | | MND3150 | | | | |
| TCL30.H74.ERX40DX | 5 | MND3151 | 3 ÷ 30 | 24.000 | 74 | 49 |
| TCL30.H74.ERX40SX | | MND3152 | | | | |
| TCL30.H70.EOC25DX | 5 | MND3153 | 2 ÷ 25 | 24.000 | 70 | 49 |
| TCL30.H70.EOC25SX | | MND3154 | | | | |

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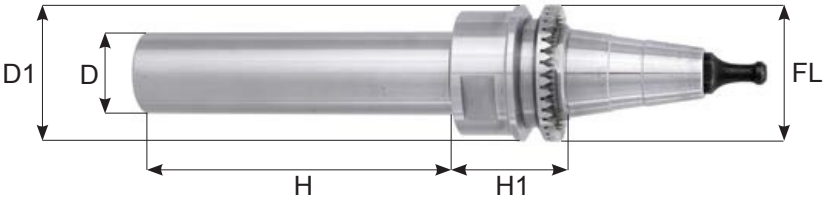
ALUMINIO

## Mandrino Porta fresas TCL30 SCM
*Collet chucks TCL30 SCM*




## FLANGIA 49mm Ø EJE 30 / 35 / 40

| REFERENCIA | FAM | COD | RPM | FL | H1 | D | H | D1 |
|---|---|---|---|---|---|---|---|---|
| TCL30.D30x80.SCM | 5 | MND3155 | 24.000 | 49 | 41 | 30 | 80 | 45 |
| TCL30.D30x100.SCM | | MND3103 | | | | | 100 | |
| TCL30.D30x150.SCM | | MND3156 | | | | | 150 | |
| TCL30.D30x200.SCM | | MND3157 | | | | | 200 | |
| **REFERENCIA** | **FAM** | **COD** | **RPM** | **FL** | **H1** | **D** | **H** | **D1** |
| TCL30.D35x80.SCM | 5 | MND3158 | 24.000 | 49 | 41 | 35 | 80 | 50 |
| TCL30.D35x100.SCM | | MND3159 | | | | | 100 | |
| TCL30.D35x150.SCM | | MND3160 | | | | | 150 | |
| TCL30.D35x200.SCM | | MND3161 | | | | | 200 | |
| **REFERENCIA** | **FAM** | **COD** | **RPM** | **FL** | **H1** | **D** | **H** | **D1** |
| TCL30.D40x80.SCM | 5 | MND3162 | 24.000 | 49 | 41 | 40 | 80 | 53 |
| TCL30.D40x100.SCM | | MND3163 | | | | | 100 | |
| TCL30.D40x150.SCM | | MND3164 | | | | | 150 | |
| TCL30.D40x200.SCM | | MND3165 | | | | | 200 | |

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ALUMINIO

## Flangia de Recambio
*Flangia*

### MACHO

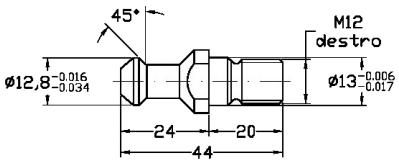
| REFERENCIA | FAM | COD |
|---|---|---|
| FLANGIA.D30M | 5 | SID1674 |
| FLANGIA.D35M | | SID1677 |
| FLANGIA.D40M | | SID1679 |

### HEMBRA

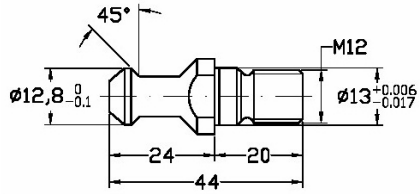
| REFERENCIA | FAM | COD |
|---|---|---|
| FLANGIA.D30H | 5 | SID1673 |
| FLANGIA.D35H | | SID1676 |
| FLANGIA.D40H | | SID1678 |

## Tirantes
*Pull studs*

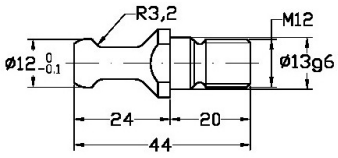
### Tirante Tipo Alberti PS.WD30-ALB
*Alberti type PS.WD30-ALB*



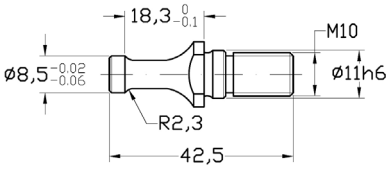

### Tirante Tipo COLOMBO PS.WD30-COL
*Colombo type PS.WD30-COL*



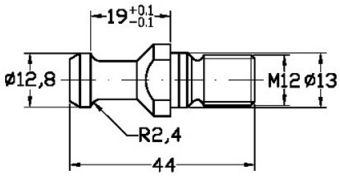

### Tirante Tipo Biesse PS.WD30-BS2
*Biesse type PS.WD30-BS2*



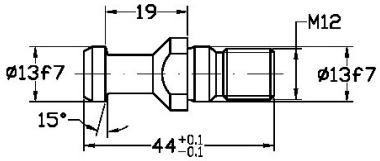

### Tirante Tipo SCM PS.WD30-SCM
*SCM type PS.WD30-SCM*




### Tirante Tipo CMS PS.WD30-CMS
*CMS type PS.WD30-CMS*




### Tirante tipo DIN/69872 PS.WD30SF
*DIN/69872 PS.WD30SF*

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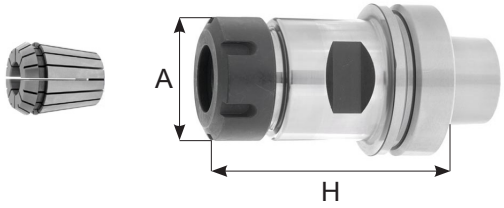
ALUMINIO

## Porta pinzas ER tuerca STANDARD
*Collet chucks ER STANDARD nut*




## HSK-F / 63

LH= IZQUIERDA

| REFERENCIA | FAM | CAP | RPM | H | A |
|---|---|---|---|---|---|
| HSK63F.H100.ERC16RH | 11 | 1 ÷ 10 | 20.000 | 100 | 32 |
| HSK63F.H100.ERC20RH | | 1 ÷ 14 | | 100 | 35 |
| HSK63F.H100.ERC25RH | | 1 ÷ 20 | | 100 | 42 |
| HSK63F.H73.ERC32RH | 1 | 2 ÷ 22 | | 73 | 50 |
| HSK63F.H100.ERC32RH | | 2 ÷ 22 | | 100 | 50 |
| HSK63F.H78.ERC40RH | | 3 ÷ 30 | | 78 | 63 |
| HSK63F.H100.ERC40RH | | 3 ÷ 30 | | 100 | 63 |
| HSK63F.H73.ERC32LH | | 2 ÷ 22 | | 73 | 50 |
| HSK63F.H78.ERC40LH | | 3 ÷ 30 | | 78 | 63 |

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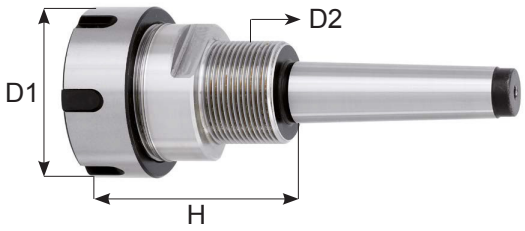
## Porta pinzas Cono Morse
*Collet chucks Cono Morse*




## CM2 / CM3

DX= DERECHA SX= IZQUIERDA

| REFERENCIA | FAM | COD | CAP | RPM | CM | H | D1 | D2 |
|---|---|---|---|---|---|---|---|---|
| CM2.H62.ERX32.DX-M30 | 5 | MND1885 | 2 ÷ 22 | 24.000 | 2 | 62 | 50 | M30x1.5 |
| CM2.H62.ERX32.SX-M30 | | MND3166 | | | | | | |
| CM2.H85.ERX32.DX-M20 | 5 | MND3167 | 2 ÷ 22 | 24.000 | 2 | 85 | 50 | M20x14 |
| CM2.H85.ERX32.SX-M20 | | MND3168 | | | | | | |
| CM2.H93.ERX40.DX-M30 | 5 | MND3169 | 3 ÷ 30 | 24.000 | 2 | 93 | 63 | M30x1.5 |
| CM2.H93.ERX40.SX-M30 | | MND3170 | | | | | | |
| CM2.H93.ERX40.DX-M20 | 5 | MND3171 | 3 ÷ 30 | 24.000 | 2 | 93 | 63 | M20x14 |
| CM2.H93.ERX40.SX-M20 | | MND3172 | | | | | | |
| CM3.H70.ERX32.DX-M30 | 5 | MND3210 | 2 ÷ 22 | 24.000 | 3 | 70 | 50 | M30x1.5 |
| CM3.H70.ERX32.SX-M30 | | MND3173 | | | | | | |
| CM3.H80.ERX40.DX-M30 | 5 | MND3211 | 3 ÷ 30 | 24.000 | 3 | 80 | 63 | M30x1.5 |
| CM3.H80.ERX40.SX-M30 | | MND3174 | | | | | | |

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## Cabezales Angulares
*Angle Heads*

Una Salida 90º
*1 Outlets 90º*

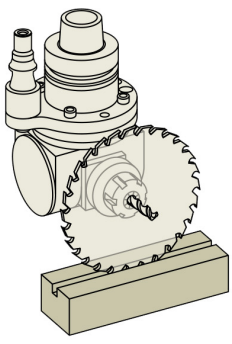
Una Salida 90º
*1 Outlets 90º*

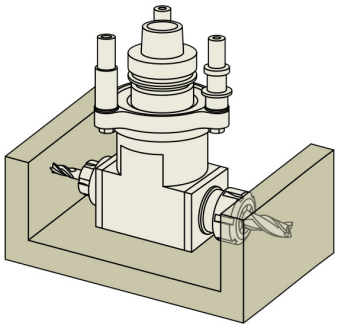
Dos Salidas 90º
*2 Outlets 90º*

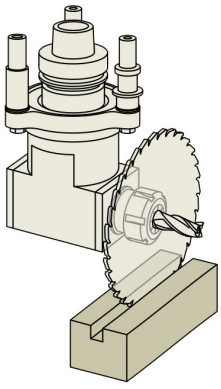
Cuatro Salidas 90º
*4 Outlets 90º*

Cuatro Salidas 90º
*4 Outlets 90º*

Multiposición
*Tilting head*







***Soliciten Información complementaria***

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