

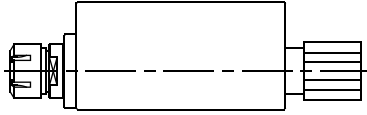


TORNOS DECO 2000

26a/20a

DE.000.20S
DE.000.20M
DE.000.20L

AXIAL
(SHORT, MEDIUM, LONG)

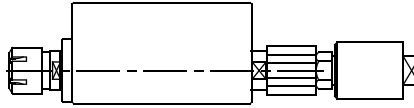


ER-25
RATIO 1:1
8.000 RPM MAX.



DE.005.20S
DE.005.20M
DE.005.20L

**AXIAL WITH
HIGH PRESSURE
COOLANT THROUGH**
(SHORT, MEDIUM, LONG)

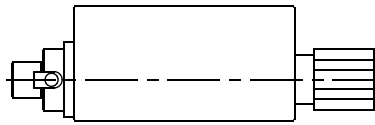


ER-25
RATIO 1:1
8.000 RPM MAX.



DE.038.20

AXIAL SAW-MILL
(SHORT, MEDIUM, LONG)

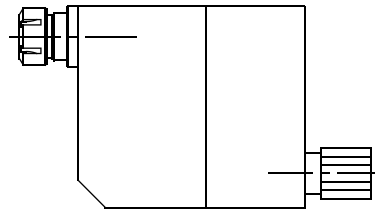


END MILL
RATIO 1:1
8.000 RPM MAX.



DE.001.20

**AXIAL
OFFSET**

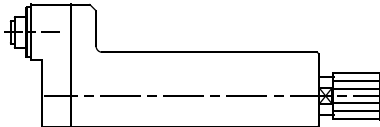


ER-25
RATIO 1:1
8.000 RPM MAX.



DE.002.20

**AXIAL OFFSET
SPEEDER**

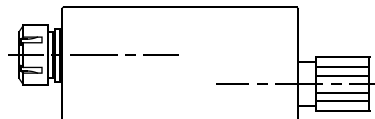


ER-11
RATIO 1:3
24.000 RPM MAX.



DE.003.20C10

**AXIAL OFFSET
REDUCER 10:1**

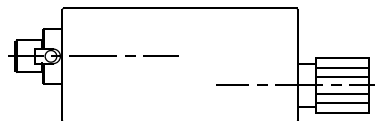


ER-25
RATIO 10:1
8.000 RPM MAX.



DE.003.20E10

**AXIAL OFFSET
REDUCER 10:1**

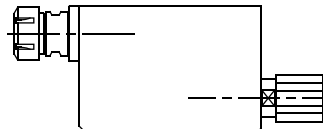


END MILL
RATIO 10:1
8.000 RPM MAX.



DE.003.20C3

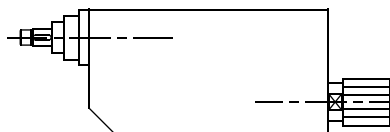
**AXIAL OFFSET
REDUCER 3:1**



ER-25
RATIO 3:1
8.000 RPM MAX.

DE.003.20E3

**AXIAL OFFSET
REDUCER 3:1**



END MILL
RATIO 3:1
8.000 RPM MAX.

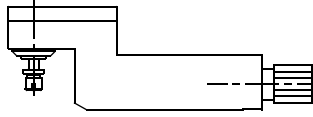
SPECIALS: NO PROBLEM





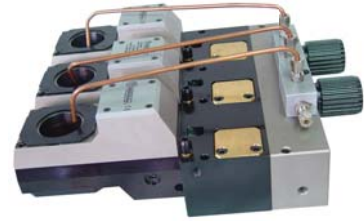
TORNOS DECO 2000

DE.011.20 **RADIAL 90°**

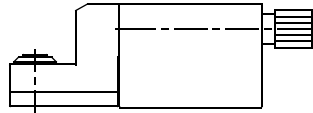


26a/20a

ER-11
RATIO 1:1
8.000 RPM MAX.



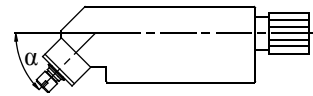
DE.011.20S **RADIAL 90°
(SUBSPINDLE)**



ER-11
RATIO 1:1
8.000 RPM MAX.



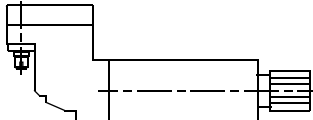
DE.012.20 **FIXED ANGLE
(ANY ANGLE)**



ER-11
RATIO 1:1
8.000 RPM MAX.



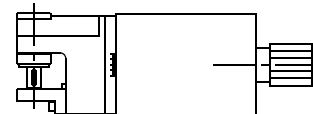
DE.013.20 **RADIAL 90°
SPEEDER**



ER-11
RATIO 1:4
24.000 RPM MAX.



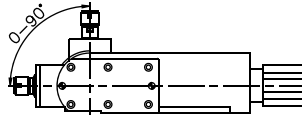
DE.015.20 **ADJUSTABLE
MILLING CUTTER
AND GEAR HOBBING**



END MILL
RATIO 1:1
8.000 RPM MAX.

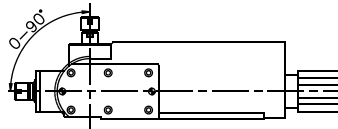


DE.021.20S **RADIAL
ADJUSTABLE
SHORT**



ER-11
RATIO 1:1
8.000 RPM MAX.

DE.021.20L **RADIAL
ADJUSTABLE
LONG**



ER-11
RATIO 1:1
8.000 RPM MAX.

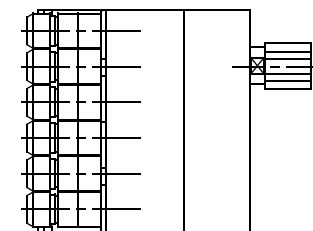
DE.023.20/3 **AXIAL
3 SPINDLES**



ER-11
RATIO 1:1
8.000 RPM MAX.



DE.023.20/6 **AXIAL
6 SPINDLES**



ER-11
RATIO 1:1
8.000 RPM MAX.

SPECIALS: NO PROBLEM

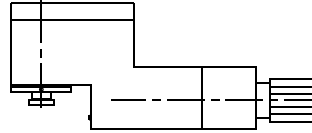


TORNOS DECO 2000

26a/20a

DE.034.20
DE..034.20R

**POLYGON MAKER
(OPTIONAL REDUCER)**

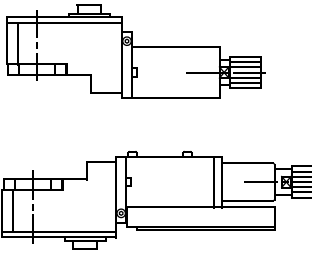


POLYGON TOOL
RATIO 1:1/2:1
8.000 RPM MAX.



DE.035.20
DE.035.20S

**THREAD
WHIRLING ± 15°
(STANDARD, SUBSPINDLE)**

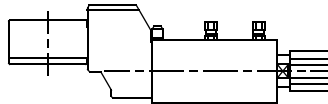


ANY TYPE OF
CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.



DE.035.20/30

**THREAD
WHIRLING ± 30°**

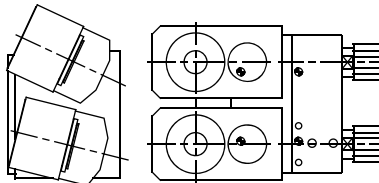


ANY TYPE OF
CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.



DE.035.20/2

**THREAD
WHIRLING ± 25°
DOUBLE HEADED**

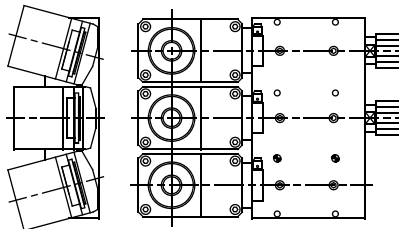


ANY TYPE OF
CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.

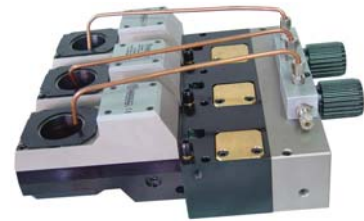


DE.035.20/3

**THREAD
WHIRLING ± 15°
TRIPLE HEADED**

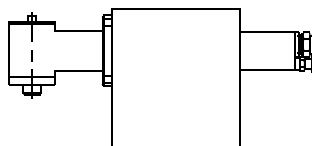


ANY TYPE OF
CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.



DE.HF.20

**ATTACHMENT +
ANGLE HEAD FOR HIGH
FREQUENCY SPINDLE**



ER-8
RATIO 1:1
24.000 RPM MAX.



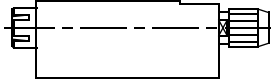
SPECIALS: NO PROBLEM



TORNOS DECO 2000

13a

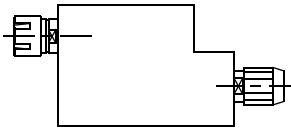
DE.000.13S
DE.000.13M
DE.000.13L
AXIAL
(SHORT, MEDIUM, LONG)



ER-20
RATIO 1:1
10.000 RPM MAX.



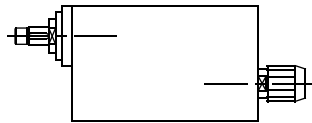
DE.001.13
AXIAL OFFSET



ER-20
RATIO 1:1
10.000 RPM MAX.

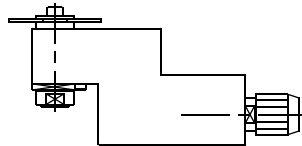


DE.003.13
AXIAL OFFSET REDUCER



END MILL or ER-20
RATIO 3:1
10.000 RPM MAX.

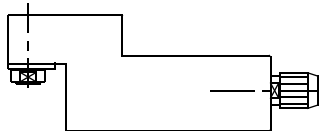
DE.008.13
RADIAL DOUBLE OUTPUT



ER-11 + SAW CUTTER
RATIO 1:1
10.000 RPM MAX.

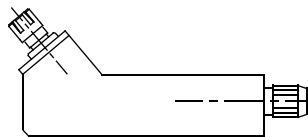


DE.011.13
RADIAL 90°



ER-11
RATIO 1:1
10.000 RPM MAX.

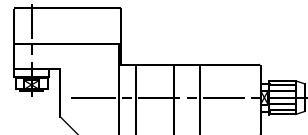
DE.012.13
FIXED ANGLE (ANY ANGLE)



ER-16 or ER-20
RATIO 1:1
10.000 RPM MAX.

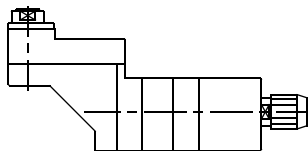


DE.013.13
RADIAL 90° SPEEDER



ER-11
RATIO 1:3
24.000 RPM MAX.

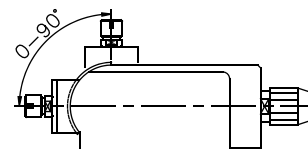
DE.015.13
RADIAL SUBSPINDLE



ER-11
RATIO 1:1
10.000 RPM MAX.

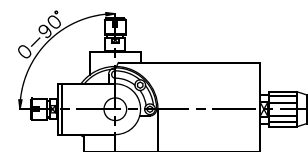


DE.021.13
RADIAL ADJUSTABLE 0-90°



ER-11
RATIO 1:1
10.000 RPM MAX.

DE.021.13S
RADIAL ADJUSTABLE 0-90°



ER-11
RATIO 1:1
10.000 RPM MAX.

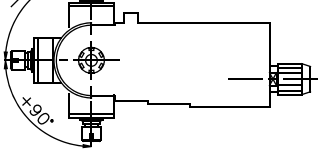

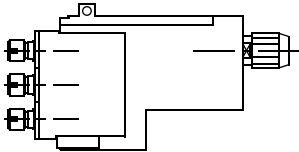

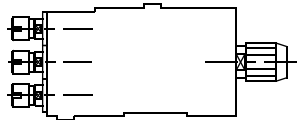

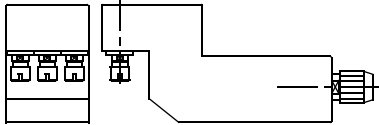

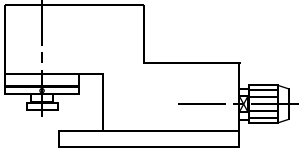

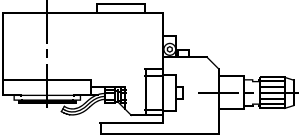

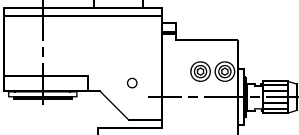

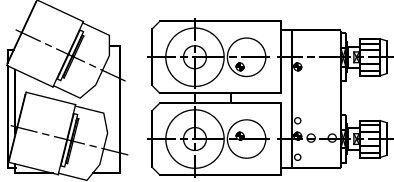

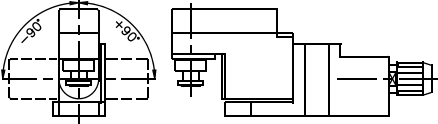

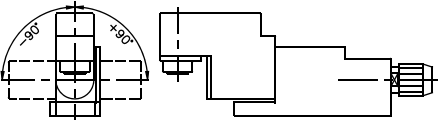



SPECIALS: NO PROBLEM





TORNOS DECO 2000 13a

DE.021.13C	RADIAL ADJUSTABLE ± 90°		ER-11 RATIO 1:1 10.000 RPM MAX.	
DE.021.13/3	RADIAL ADJUSTABLE 3 SPINDLES		ER-11 RATIO 1:1 10.000 RPM MAX.	
DE.023.13	AXIAL 3 SPINDLES		ER-11 RATIO 1:1 10.000 RPM MAX.	
DE.029.13	RADIAL 3 SPINDLES		ER-11 RATIO 1:1 10.000 RPM MAX.	
DE.034.13	POLYGON MAKER		POLYGON TOOL RATIO 1:1 10.000 RPM MAX.	
DE.035.13/15	THREAD WHIRLING ± 15°		ANY TYPE OF CUTTING HEAD RATIO 1:1 6.000 RPM MAX.	
DE.035.13/25	THREAD WHIRLING ± 25°		ANY TYPE OF CUTTING HEAD RATIO 1:1 6.000 RPM MAX.	
DE.035.13/2	THREAD WHIRLING ± 25° DOUBLE HEADED		ANY TYPE OF CUTTING HEAD RATIO 1:1 6.000 RPM MAX.	
DE.051.13A	RADIAL ADJUSTABLE "Y" AXIS ± 90°		POLYGON TOOL RATIO 1:1 10.000 RPM MAX.	
DE.051.13B	RADIAL ADJUSTABLE "Y" AXIS ± 90°		ER-11 RATIO 1:1 10.000 RPM MAX.	

SPECIALS: NO PROBLEM

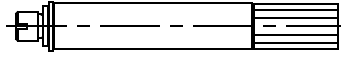


TORNOS DECO 2000

10a/7a

DE.000.10C

AXIAL

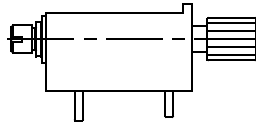


ER-11 or END MILL
RATIO 1:1
12.000 RPM MAX.



DE.000.10

AXIAL GANG

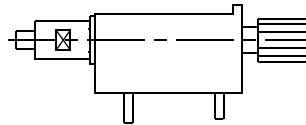


ER-11
RATIO 1:1
12.000 RPM MAX.



DE.038.10

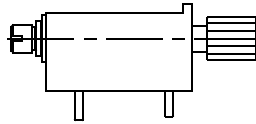
**AXIAL
SAW-MILL**



END MILL
RATIO 1:1
12.000 RPM MAX.

DE.002.10

**AXIAL
SPEEDER
GANG**

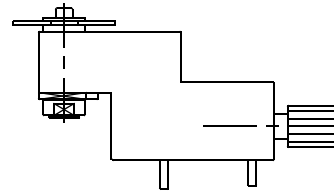


ER-11
RATIO 1:4
24.000 RPM MAX.



DE.008.10

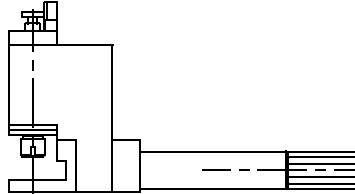
**RADIAL
DOUBLE
OUTPUT**



ER-11 + SAW CUTTER
RATIO 1:1
12.000 RPM MAX.

DE.011.10C

RADIAL 90°

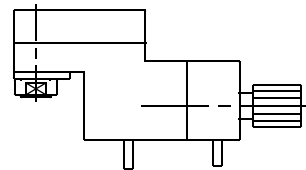


ER-11
RATIO 1:1
12.000 RPM MAX.



DE.011.10

**RADIAL 90°
GANG**

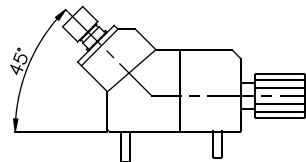


ER-11
RATIO 1:1
12.000 RPM MAX.



DE.012.10

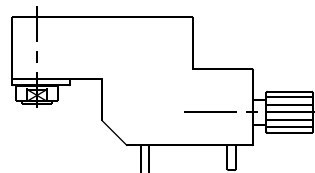
**FIXED ANGLE
(ANY ANGLE)**



ER-11
RATIO 1:1
12.000 RPM MAX.

DE.013.10

**RADIAL 90°
SPEEDER**



ER-11
RATIO 1:3
24.000 RPM MAX.



SPECIALS: NO PROBLEM

TOOLING FOR **BENZINGER - CITIZEN - DMG - ESCOMATIC - HANWHA - MAIER - MANURHIN - NEXTURN - PFIFFNER - STAR - TSUGAMI - WITECH - ETC.** PLEASE ASK FOR LITERATURE

Rec del Molí 11-17 08105 SANT FOST DE CAMSENTELLES - BARCELONA (SPAIN) TEL.: 34.93.593.36.00 - FAX.: 34.93.570.07.99 - Email.: comercial@madaula.com

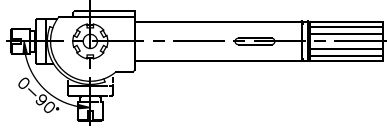




TORNOS DECO 2000

10a/7a

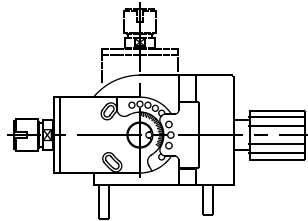
DE.021.10C **RADIAL
ADJUSTABLE**



ER-11
RATIO 1:1
12.000 RPM MAX.



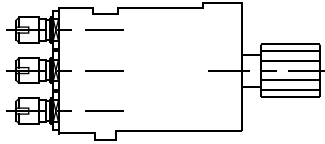
DE.021.10 **RADIAL
ADJUSTABLE
GANG**



ER-11
RATIO 1:1
12.000 RPM MAX.

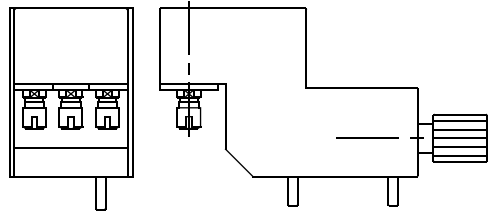


DE.023.10/3 **AXIAL
3 SPINDLES**



ER-11
RATIO 1:1
12.000 RPM MAX.

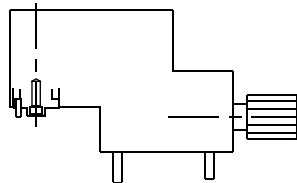
DE.029.10 **RADIAL
3 SPINDLES**



ER-8
RATIO 1:1
12.000 RPM MAX.



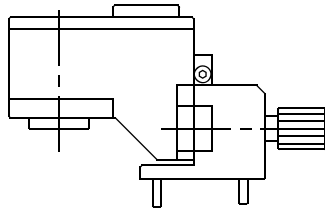
DE.034.10 **POLYGON
MAKER**



POLYGON TOOL
RATIO 1:1
12.000 RPM MAX.



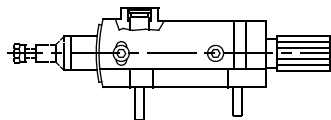
DE.035.10 **THREAD
WHIRLING ± 22.5°**



ANY TYPE OF
CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.



DE.036.10 **HIGH PRECISION
GEAR HOBGING**



GEAR CUTTER
RATIO 1:1
12.000 RPM MAX.

DE.050.10 **AXIAL "Y" AXIS**



ER-11
RATIO 1:1
12.000 RPM MAX.



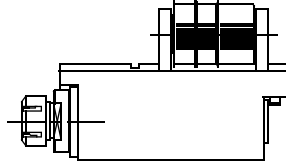
SPECIALS: NO PROBLEM



TORNOS DECO SIGMA 20

DE.000.S20S
DE.000.S20M
DE.000.S20L

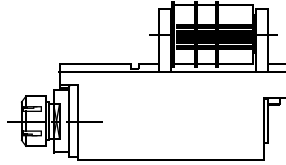
AXIAL
(SHORT, MEDIUM, LONG)



ER-25
RATIO 1:1
10.000 RPM MAX.

DE.003.S20S
DE.003.S20M
DE.003.S20L

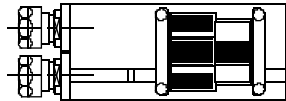
AXIAL REDUCER
(SHORT, MEDIUM, LONG)



ER-25
RATIO 4:1
2.500 RPM MAX.

DE.023.S20S
DE.023.S20M
DE.023.S20L

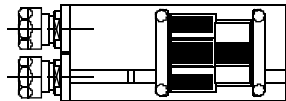
AXIAL DOUBLE
OUTPUT
(SHORT, MEDIUM, LONG)



ER-20
RATIO 1:1
10.000 RPM MAX.

DE.023.S20SX
DE.023.S20MX
DE.023.S20LX

AXIAL DOUBLE
OUTPUT SPEEDER
(SHORT, MEDIUM, LONG)

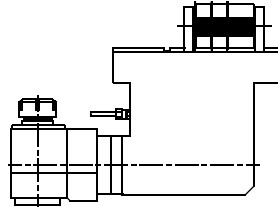


ER-20
RATIO 1:2
20.000 RPM MAX.



DE.010.S20

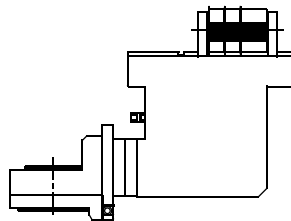
RADIAL



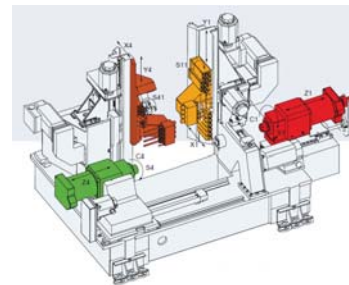
ER-25
RATIO 1:1
10.000 RPM MAX.

DE.035.S20

THREAD
WHIRLING ± 30°

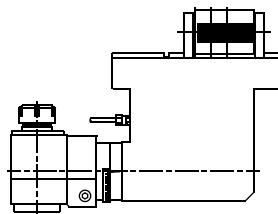


CUTTING HEAD
RATIO 1:1
6.000 RPM MAX.



DE.051.S20

RADIAL
ADJUSTABLE ± 180°



ER-25
RATIO 1:1
10.000 RPM MAX.



AVAILABLE WITH HIGH PRESSURE COOLANT THROUGH

SPECIALS: NO PROBLEM

TOOLING FOR **BENZINGER - CITIZEN - DMG - ESCOMATIC - HANWHA - MAIER - MANURHIN - NEXTURN - PFIFFNER - STAR - TSUGAMI - WITECH - ETC.** PLEASE ASK FOR LITERATURE

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