







**MAIN FEATURES**

- Version in A and C. Others on request.
- Steel plate, mounted on high load capacity radial and axial precision bearings.
- Base of stabilized grey cast iron.
- Main spindle of hardened and ground steel.
- Hardened and ground steel worm, mounted in combined radial-axial bearings of high accuracy.
- Bronze aluminium worm wheel of high quality and durability.
- Indexing and drive system through a worm and worm wheel, operating in an oil bath.
- Motor and internal parts of the table are protected from coolant with seals and "O" rings.
- Spindle angle measured by rotating encoder mounted on the end of the worm wheel or on the spindle shaft. Depending on the required accuracy.
- Take up of backlash between the worm shaft and worm wheel through the axial movement of the worm shaft, maintaining an exact positioning (DUPLEX System).



- Spindle locking system through a powerful braking ring acting directly on the spindle, hydraulically actuated by hydro-pneumatic system with variable pressure adjustment incorporated in the dividing head itself or through a separate hydraulic pressure supply.

**SPECIFICATIONS**

TYPE		DCN-160	DCN-200	DCN-250	DCN-320	DCN-400
Table diameter	mm	160	200	250	320	400
Brake system		HYDRO-PNEUMATIC OR HYDRAULIC				
Braking torque	Kgm	30		50	85	180
Servomotor	Nm r.p.m.	2 2000		4 2000	7 2000	9 2000
Total drive system ratio	Version A	1:60		1:90	1:90	1:90
	Version C and B	1:80		1:120	1:90	1:180
Ratio between encoder and rotary table	Encoder on worm	1:60		1:90	1:90	1:90
	Encoder on main spindle	1:1		1:1	1:1	1:1
Max. rotation speed	Version A	33		22	22	22
	Version C and B	22		11	11	11
Acceleration	∞	23 rad./s <sup>2</sup>		6,7 rad./s <sup>2</sup>	6,7 rad./s <sup>2</sup>	6,7 rad./s <sup>2</sup>
Division resolution		0,001°				
Net weight	Kg	70	95	145	170	290
 Max. Adm. Load	kg	150		250	350	500
 Vertical position at 200 mm.	kg	75		125	150	225
	kg	150		250	300	450
 Max. axial effort	kg	1500		1800	2500	3500
 Max. Tangential torque	kgm	40		90	170	280
 Lowering torque	kgm	50		100	180	300
 Max. grip torque	kgm	15		70	120	200
ANGLE MEASURES	Encoder on worm shaft Repeatability	± 20" 8"				
	Encoder on main spindle Repeatability	± 5" 3"				