

2.11 SINGLE ACTING HYDRAULIC TRAVELLING DIE CLAMP

2.11.1 ELECTRIC POWERED ETDCE WITH ECA/MHC CYLINDER

Single acting hydraulic clamping cylinder,
electric powered into the T-slot.
Hydraulic pressures 350 bar

Available with ECA or MCH hollow ram pull cylinders
Clamping capacity range 40, 60 or 100 kN
Travel distance: 400 towards 1200 mm
Travel speed: 100-150 mm/sec
Temperature range: 5°C till 60°C



ETDCE with MHC hollow ram cylinder

DESCRIPTION

Travelling die clamps are used for automatic clamping applications on the upper bed of mainly large presses. The single acting hydraulic clamping cylinder is mounted to a chain which travels into the T-slot of the press upper bed. This chain is in this case driven by an electric motor. The hydraulic clamp is normally retracted in the so called park position and is controlled by a sensor. When the cylinder travels into the T-slot and reaches the to be clamped die, another sensor will indicate that the clamp has reached his position and the travel drive switches off. Hydraulic hose and sensor cable are travelling inside the chain with the cylinder in the T-slot. No standardization of the back plate die required. The rigid construction is to withstand vibrations and shocks from the press operation.

Ordering code example: ETDCE 10-50-600-36

ETDCE = EAS Travelling Die Clamp Electric

1 = clamping force 4 = 40 kN, 6 = 60 kN and 10 is 100 kN

2 = clamping height H in mm

3 = travelling stroke in mm

4 = T-slot size

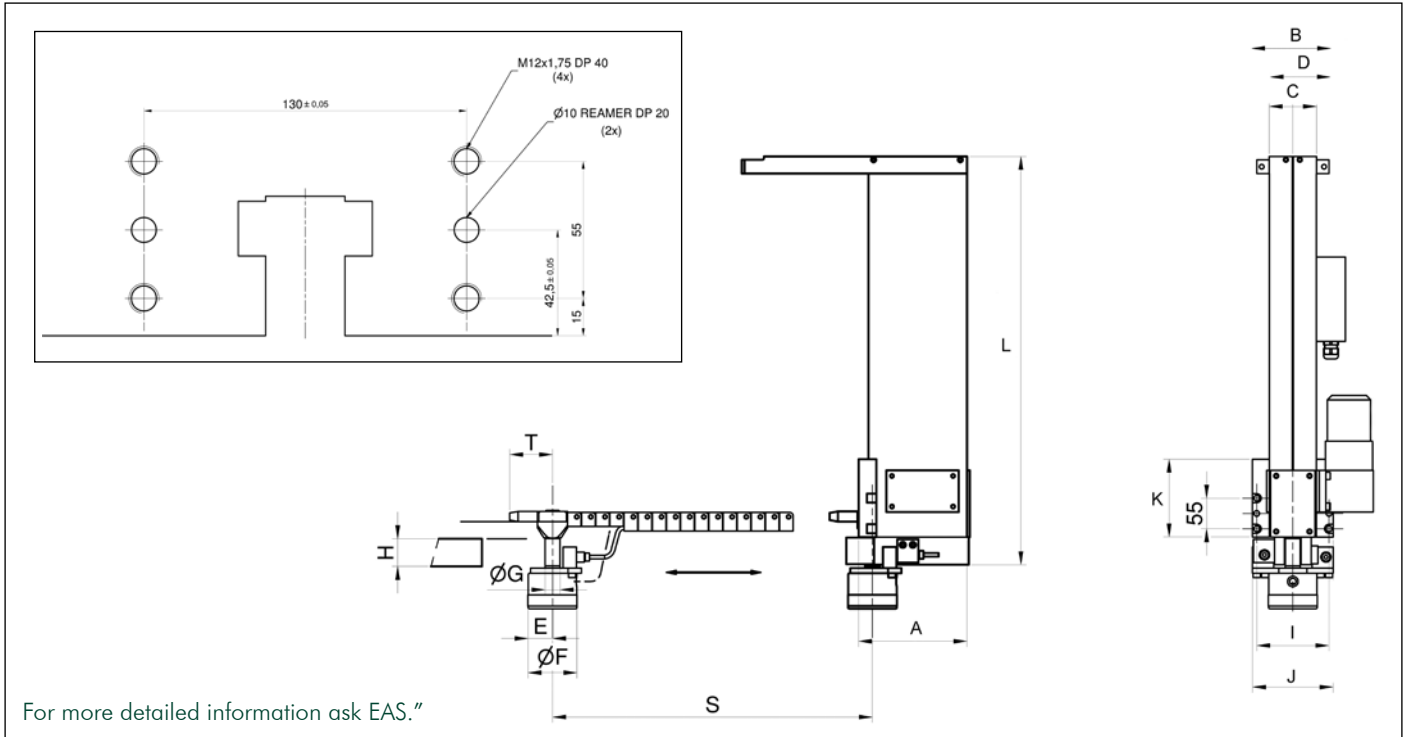
Ordering code example:

ETDCE 10-50-600-36, this is an electric powered traveling die clamp with a 100 kN hollow clamp cylinder type ECA 100 with 50 mm clamping height and a 600 mm travelling stroke for a 36 mm DIN 650 T-slot.



2 CLAMPING SYSTEMS

ECA



SELECTION CHART															
EAS Model Number	Air pressure (bar)	Hydraulic pressure (bar)	Moving speed (mm/sec)	Dimensions in mm											
				A	B	C	D	E	F	G	H	I	J	K	L
ETDCE-4	4	250	100-150	195	187	85	94,5	59	73	25	*	130	145	140	S/2+435
ETDCE-6	4	250	100-150	195	187	85	94,5	49	88	30	*	130	145	140	S/2+435
ETDCE-10	4	250	100-150	195	187	85	94,5	42	108	40	*	130	145	140	S/2+435