

ALLROUNDER 720 E

GOLDEN ELECTRIC

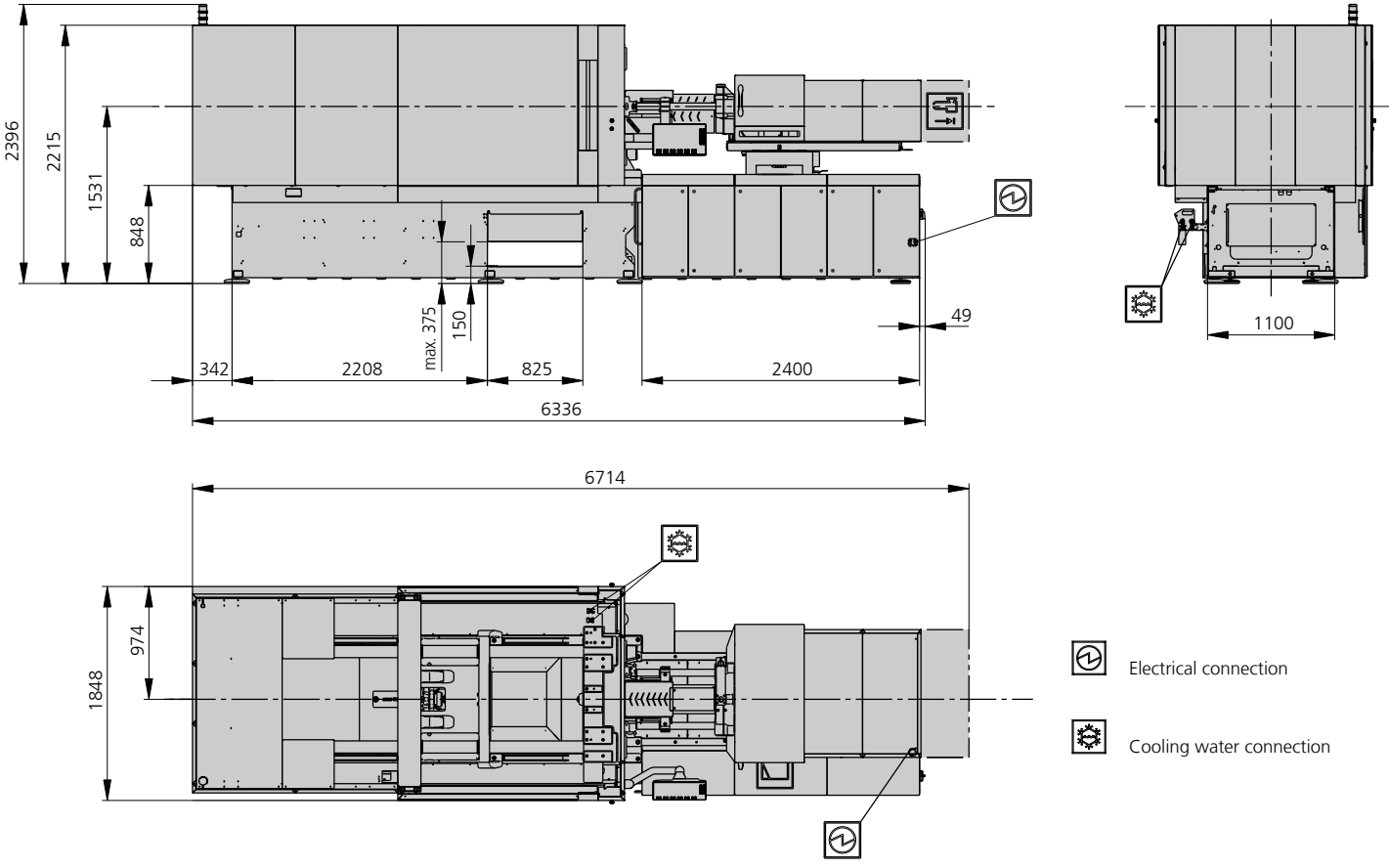
Distance between tie bars: 720 x 720 mm

Clamping force: 2800 kN

Injection unit (acc. to EUROMAP): 800

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MACHINE DIMENSIONS | 720 E GOLDEN ELECTRIC



TECHNICAL DATA | 720 E GOLDEN ELECTRIC

| Clamping unit | | 720 E GOLDEN ELECTRIC | |
|-------------------------------------|--------------|-----------------------|--|
| with clamping force | max. kN | 2800 | |
| Opening force stroke | max. kN mm | --- 550 | |
| Mould height, fixed variable | min.-max. mm | --- 250-800 | |
| Platen daylight fixed variable | max. mm | --- 800-1350 | |
| Distance between tie bars (w x h) | mm | 720 x 720 | |
| Mould mounting platens (w x h) | max. mm | 1040 x 1040 | |
| Weight of movable mould half | max. kg | 2500 | |
| Ejector force stroke | max. kN mm | 86 250 | |
| Dry cycle time EUROMAP ² | min. s - mm | 2,9 - 504 | |

| Injection unit | | 800 | | |
|--|-------------------------|----------|----------|----------|
| with screw diameter | mm | 45 | 50 | 55 |
| Effective screw length | L/D | 22 | 20 | 18 |
| Screw stroke | max. mm | 200 | | |
| Calculated stroke volume | max. cm ³ | 318 | 392 | 474 |
| Shot weight | max. g PS | 291 | 359 | 434 |
| Material throughput | max. kg/h PS | 46 | 53 | 59 |
| | max. kg/h PA6.6 | 23 | 27 | 30 |
| Injection pressure | max. bar | 2470 | 2000 | 1650 |
| Holding pressure time | max. s - bar | 300-1970 | 300-1600 | 300-1320 |
| Injection flow ² | max. cm ³ /s | 175 | 216 | 261 |
| | max. cm ³ /s | [223] | [275] | [333] |
| Injection speed | max. mm/s | 110 | | |
| | max. mm/s | [140] | | |
| Screw circumferential speed | max. m/min | 28 | 31 | 34 |
| Screw torque | max. Nm | 900 | 1000 | 1100 |
| Nozzle contact force retraction stroke | max. kN mm | 70 400 | | |
| Heating capacity zones | kW | 19,9 8 | | |
| Feed hopper | l | --- | | |

| Drive and connection | | 800 | | |
|--|-------------|-------------|--|--|
| with injection unit | | 800 | | |
| Net weight of machine | kg | 14350 | | |
| Sound press. level Insecurity ⁴ | dB(A) | --- | | |
| Electrical connection ³ | kW | 50 | | |
| | Total | 100 | | |
| | Machine | 50 | | |
| | Heating | 35 | | |
| Cooling water connection | max. °C | 30 | | |
| | min. Δp bar | 1,5 DN 25 | | |

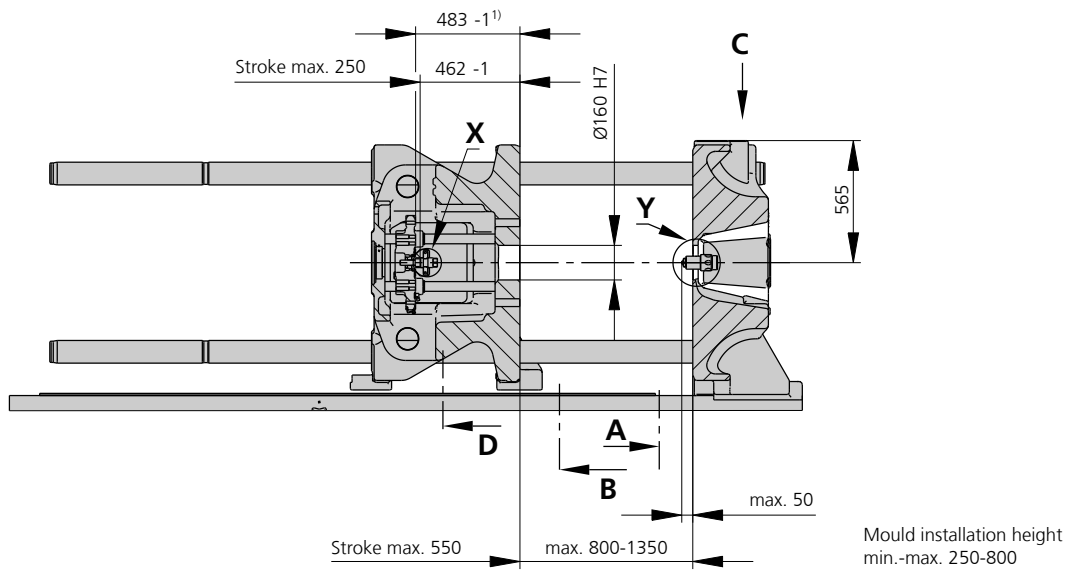
Machine type
with EUROMAP size designation ¹
720 E GOLDEN ELECTRIC 2000 | 800

Upon request: other machine types and mould installation heights, screws, drive powers etc.

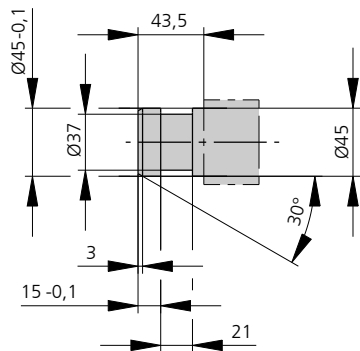
All specifications relate to the basic machine version. Deviations are possible depending on variants, process settings and material type. Depending on the drive, certain combinations, e.g. max. injection pressure and max. injection flow may be mutually exclusive.

- 1) Clamping force (kN) - size of injection unit = max. stroke volume (cm³) x max. injection pressure (kbar)
 - 2) Specification of maximum injection flow at maximum injection pressure.
 - 3) Specifications relate to 400 V/50 Hz.
 - 4) Detailed info in the operating instr.
- [] Specifications apply to alternative equipment.

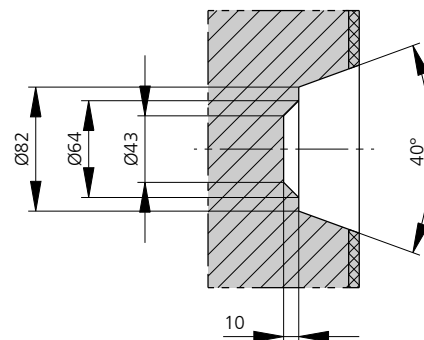
MOULD INSTALLATION DIMENSIONS | 720 E GOLDEN ELECTRIC



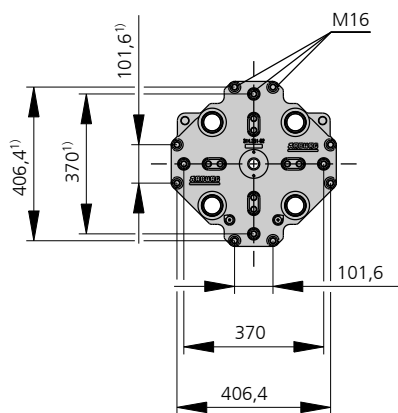
Ejector bolt | X



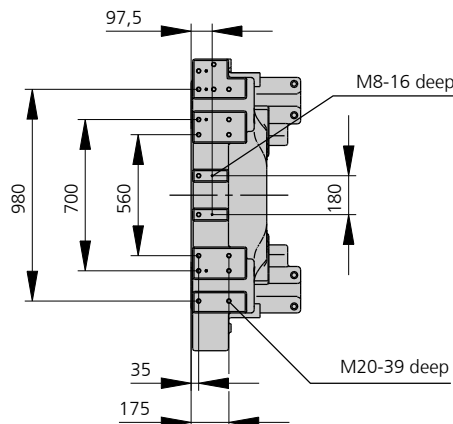
Bore in mould (if required) | Y



Ejector plate | D



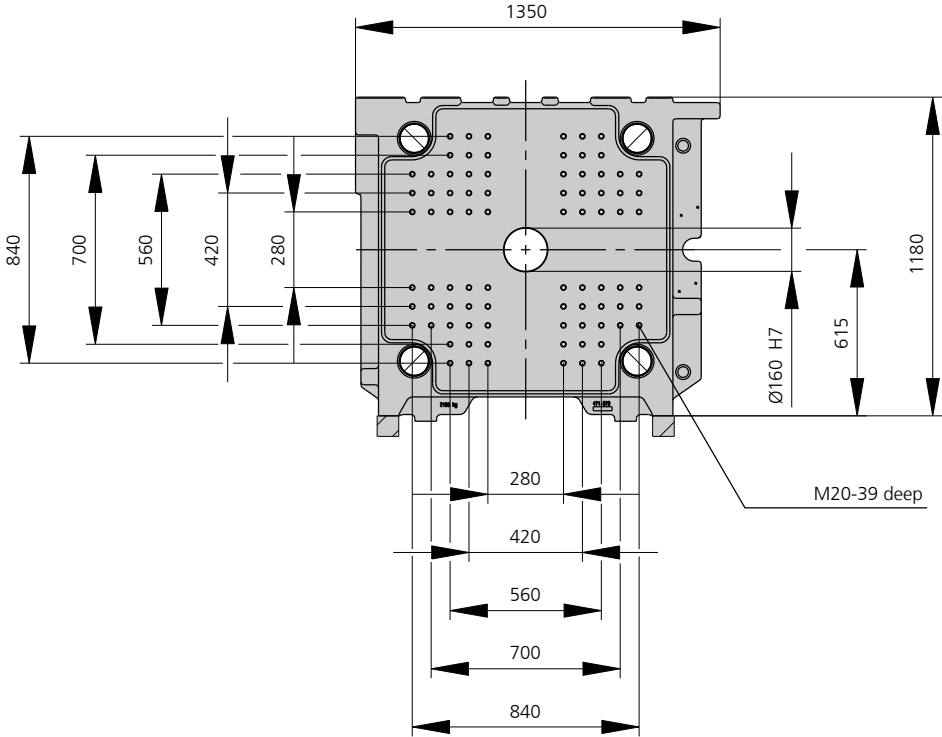
Robotic system mounting | C



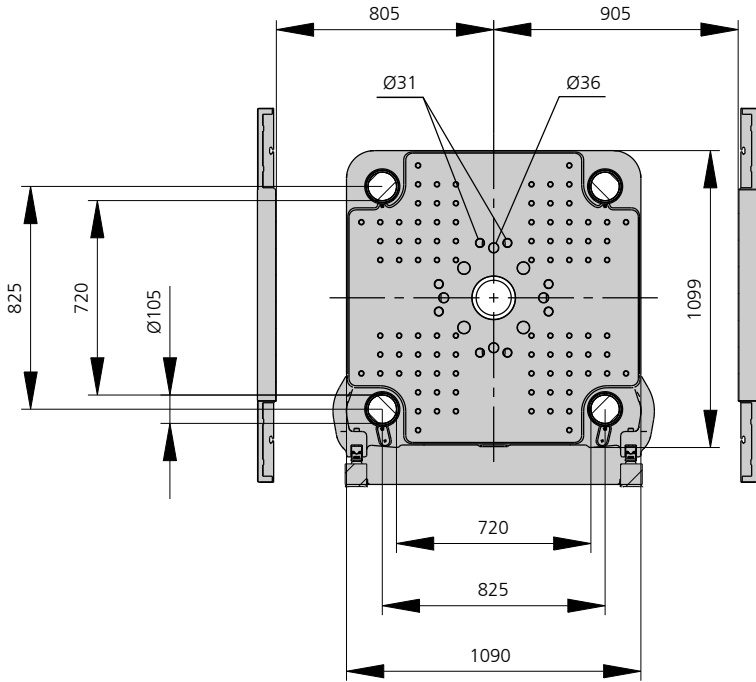
1) Positions of ejector plate

MOULD INSTALLATION DIMENSIONS | 720 E GOLDEN ELECTRIC

Fixed mould mounting platen | A



Fixed mould mounting platen | B



SHOT WEIGHTS | 720 E GOLDEN ELECTRIC

Theoretical shot weights for the most important injection moulding materials

| Injection units according to EUROMAP | | 800 | | | | |
|--------------------------------------|--------------------------------------|-----|-----|-----|--|--|
| Screw diameter | mm | 45 | 50 | 55 | | |
| Polystyrene | max. g PS | 291 | 359 | 434 | | |
| Styrene heteropolymerizates | max. g SB | 284 | 350 | 424 | | |
| | max. g SAN, ABS ¹⁾ | 278 | 344 | 416 | | |
| Cellulose acetate | max. g CA ¹⁾ | 327 | 404 | 488 | | |
| Celluloseacetobutyrate | max. g CAB ¹⁾ | 304 | 375 | 454 | | |
| Polymethyl methacrylate | max. g PMMA | 300 | 371 | 449 | | |
| Polyphenylene ether, mod. | max. g PPE | 270 | 333 | 403 | | |
| Polycarbonate | max. g PC | 305 | 377 | 456 | | |
| Polysulphone | max. g PSU | 316 | 390 | 471 | | |
| Polyamides | max. g PA 6.6 PA 6 ¹⁾ | 289 | 357 | 431 | | |
| | max. g PA 6.10 PA 11 ¹⁾ | 270 | 333 | 403 | | |
| Polyoximethylene (Polyacetal) | max. g POM | 359 | 443 | 536 | | |
| Polyethylene terephthalate | max. g PET | 346 | 427 | 517 | | |
| Polyethylene | max. g PE-LD | 219 | 271 | 328 | | |
| | max. g PE-HD | 227 | 280 | 339 | | |
| Polypropylene | max. g PP | 232 | 286 | 346 | | |
| Fluoropolymerides | max. g FEP, PFA, PCTFE ¹⁾ | 465 | 574 | 695 | | |
| | max. g ETFE | 408 | 504 | 609 | | |
| Polyvinyl chloride | max. g PVC-U | 351 | 434 | 525 | | |
| | max. g PVC-P ¹⁾ | 324 | 401 | 485 | | |

1) average value

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