

TWIN SCREW EXTRUDER GEAR UNIT PRE-SIZING QUESTIONNAIRE

Customer

Extruder Application

Extruder Designation

Extruder Type

co - rotating

counter - rotating

Extruder Screw direction of rotation
(view on gear unit LSS face)



DRIVE MACHINE (ELECTRIC MOTOR)

Motor Power P_M [KW]

Motor Speed n_M [1/min]

GEAR UNIT

Input Speed (HSS) n_1 [1/min]

Output Speed (LSS) n_2 [1/min]

Gear Ratio i [-]

Torque (on each LSS) T_2/d_2 [Nm]

Center distance (LSS) cd [mm]

Thrust Load (on each LSS) F_a [kN]

DRIVEN MACHINE (EXTRUDER)

Duty D [h/day]

Starts per Day S [-]

Operating Cycle (per hour) ED [%]

AMBIENT CONDITIONS

Temperature (place of installation) $T_{u_{min}}$ [°C] $T_{u_{max}}$ [°C]

Humidity RH [%]

Contamination Dust Gas