



VERSATILE WITH A LARGE CLOSING FORCE
GEZE TSA 160 NT – SWING DOOR SYSTEMS

GEZE swing door drive TSA 160 NT

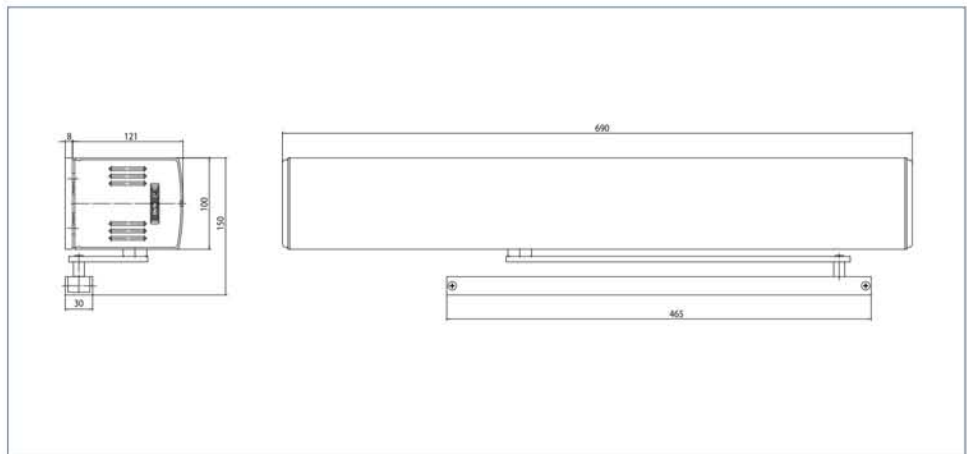
Electrohydraulic swing door drive for 1 and 2-leaf single-action doors

The TSA 160 NT is an electronically controlled hydraulic swing door system for single-action doors made of wood, steel, aluminium or plastic with leaf weights of up to 310 kg and leaf widths up to 1600 mm. The drive works with a hydraulic pump system during opening. The closing process is by means of a closing spring mechanism and adjustable hydraulic valves. The TSA 160 NT also has low power consumption and is low-maintenance. The door can be opened by hand in the event of a power failure. Manual opening is also possible with with motor operation switched on. A reinforced and highly stable link arm meets the requirements of large and heavy doors which are highly frequented. The TSA 160 NT masters large amounts of foot traffic reliably and easily.

GEZE TSA 160 NT



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Application range

- Internal and external doors
- Railway stations and airports
- Hotel and restaurants
- Hospitals and nursing homes for the elderly
- Department stores and shopping centre
- Educational institutions e.g. schools, nursery schools, day care centres
- Leisure facilities, e.g. swimming baths, thermal baths, sport and fitness centres
- Administration and public buildings
- Food industry

Technical data

Product features	GEZE TSA 160 NT	GEZE TSA 160 NT Invers	GEZE TSA 160 NT IS	GEZE TSA 160 NT EN7
Height	100 mm			
Width	690 mm			
Depth	121 mm			
Leaf weight (max.) 1-leaf	250 kg			310 kg
Hinge size (min.-max.) 2-leaf	1470 – 2800 mm			1470 – 3200 mm
Leaf width (min.-max.)	690 – 1400 mm			690 – 1600 mm
Soffit depth (max.)*	400 mm			
Door overlap (max.)*	20 mm			
Drive type	Electrohydraulic			
Door opening angle (max.)*	115 °			
Spring pre-load	EN3 – EN6**			EN7
Z-variant (pulling)	•	-	•	•
Z-variant (pushing)	-	•	-	-
Left-hand	•	•	•	•
Right-hand	•	•	•	•
Transom installation opposite hinge side with link arm	•	•	•	•
Transom installation opposite hinge side with guide rail	-	-	-	-
Transom installation hinge side with guide rail	•	•	•	•
Door leaf installation opposite hinge side with guide rail	-	-	-	-
Door leaf installation hinge side with guide rail	-	-	-	-
Door leaf installation hinge side with link arm	-	-	-	-
Mechanical latching action	•	-	•	•
Electrical latching action	-	-	-	-
Electrical closing sequence control	•	•	•	•
Mechanical closing sequence control	-	-	•	-
Disconnection from mains	Not available			
Activation delay (max.)	10 S			
Operating voltage	230 V			
Frequency of supply voltage	50 – 60 Hz			
Capacity rating	300 W			400 W
Power supply for external consumers (24 V DC)	1200 mA			
Temperature range	-10 – 60 °C			
Enclosure rating	IP 20			
Operating modes	Off, Automatic, Permanently open, Shop closing, Night			
Type of function	Fully automatic			
Automatic function	•	•	•	•
Low-energy function	-	-	-	-
Servo function	-	-	-	-
Key function	•	•	•	•
Inverse function (opening by spring force)	-	•	-	-
Draught-proofing	•	•	•	•
Obstruction detection	•	•	•	•
Automatic reversing	•	•	•	•
Push & go	adjustable			
Operation	Programme switch DPS, Programme switch MPS, Programme switch TPS, Programme switch integrated in the drive			
Parameter setting	Programme switch DPS, Controller			
Approvals	DIN 18650			
Suitable for fire proof doors	-	-	-	-
Use on smoke and fire doors (F-variant)	•	-	•	-

• = YES

- = NOT AVAILABLE

* = DEPENDING ON THE TYPE OF INSTALLATION

** = THIS DOES NOT APPLY FOR Z-VARIANT