System
FURADO-A

DESCRIPTION
Shaft system consisting of calcium silicate fire protection panels with Jeremias liners EW-KL, EW-ALBI, EW-PPS or EW-PP-FLEX, depending on the exhaust gas temperature with 25 mm insulating shells. Possible execution over the roof with shaft and cladding.
Alternative
Assembly shaft for installing CE-certified liners

MATERIAL
Calcium silicate fire protection panels

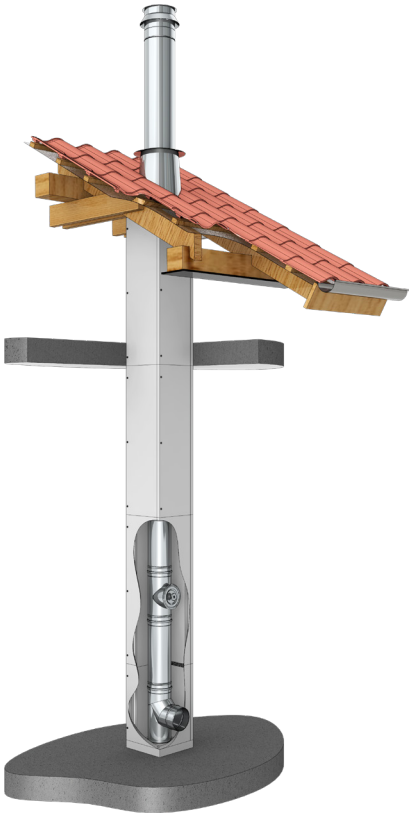
WALL THICKNESS
Standard: 60 mm (Exhaust temp. ≤ 600°C)
Optional: 50 mm (Exhaust temp. ≤ 400°C)

INTERIOR SHAFT DIMENSIONS
140 x 140 mm to 330 x 330 mm
Others on request

INSULATION
up to 160°C exhaust gas temperature without insulation
from 160°C exhaust gas temperature min. 25 mm insulation shells

ANGULAR GAP
up to 160°C at least 20 mm between the inner pipe and the inside of the shaft
from 160°C at least 20 mm between the insulation and the inside of the shaft

ORDER CODE
The article code for your order results from:
LS + internal dimensions + article code (e.g.: LS60140x140-17)



CHARACTERISTICS

- Extremely good insulation properties
- Easy to handle and assemble due to low weight
- Secure connection technology with tongue and groove joints
- Various liner solutions and shaft cladding meet all requirements
- Minimum clearance to flammable components
- 25 m installation height of the shaft without intermediate support
- Static set for installation heights up to 3 m above roof

APPLICATION AREAS

- Standard fireplaces for oil and gas
- New construction and renovation
- Condensing boilers
- CHP and combustion engines
- Gas-powered heat pumps
- Fuel cells

LICENSE NUMBER
Z - 7.4 - 3478 / Z - 7.4 - 3483
Z - 7.4 - 3482

CE MARK NUMBER
0036 CPR 9174 074
0036 CPR 9174 075

CE CLASSIFICATIONS ACC. TO DIN EN 14471
EW-PP-FLEX DN60-110
T120 - H1 - W2 - O00 - LI - E - U0
EW-PP-FLEX > DN110-160
T120 - P1 - W2 - O00 - LI - E - U0
EW-PPS < DN200
T120 - H1 - W2 - O20 - LI - E - U
EW-PPS ≥ DN200
T120 - P1 - W2 - O20 - LI - E - U

CLASSIFICATIONS TO DIN V 18160-1
T160 - N1 / P1 / H1 - W - 2 - O00 - L_A90^1 bzw. L_A30^2
T200 - N1 / P1 / H1 - W - 2 - O00 - L_A90^{23}
T400 - N1 / P1 / H1 - W - 2 - O50 - L_A90^{23}
T600 - N1 / P1 / H1 - W - 2 - O50 - L_A90^{13}

CLASSIFICATIONS TO DIN EN 1856-1
T120 - P1 - W - V2 - L50050 - O00 (L_A90/ L_A30)
T160 - N1 / P1 / H1 - W - V2 - L50050 - O00 (L_A90^1 / L_A30^2)
T200 - N1 / P1 / H1 - W - V2 - L50050 - O00[3] (L_A90^2)
T400 - N1 / P1 / H1 - W - V2 - L50050 - Oxx[3] (L_A90^2)
T600 - N1 / P1 / H1 - W - V2 - L50050 - Oxx[3] (L_A90^1)
[1] 60 mm shaft [2] 50 mm shaft [3] with 25 mm insulation
An annular gap of at least 20 mm is required

xx= The distances to combustible components depend on the Ø, see Declaration of performance

Please see our application note on www.jeremias-group.com