

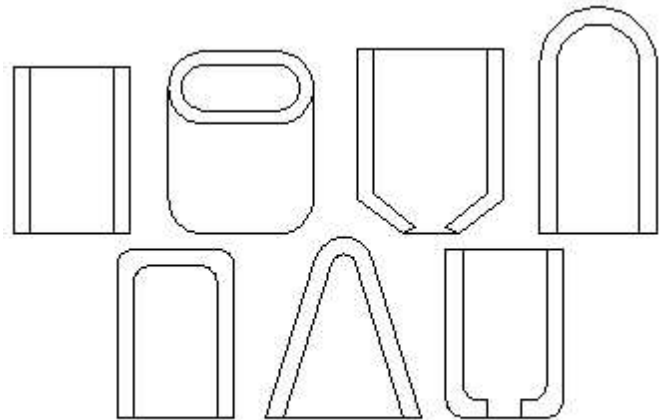


Vacuum-formed insulation shapes

The fittings are manufactured from aqueous suspensions of refractory fibers using the vacuum-forming method, with a precisely selected layout of binders (fire resistance according to arrangements). If necessary, additional protective coating can be applied on these elements. The wall thickness of the most frequently manufactured fittings is 5-50 mm. Due to vacuum-forming they are characterized by good mechanical resistance and low thermal conductivity. They are easily subjected to additional processing. The proper hardness and strength of the fittings ensures resistance to thermal shock and dimensional stability during operation. We are able to manufacture fittings in nearly any geometrical shape.

We offer:

- gating systems
- feeders
- shielding elements, e.g. for thermocouples
- linings
- plugs
- casings
- casting flasks
- hand shank ladles, ladles
- open and closed cylindrical sheaths
- oval sheaths
- rings
- casting sprue with a slot for round filters
- neck down fittings
- etc.



Our coatings are used in the process of casting iron, steel, non-ferrous metals and their alloys. We approach each order individually

By using our fittings you will get:

- liquid metal savings
- energy savings
- stable conditions of operation
- increased quality of the casting
- riser solidification time even 35% longer than the casting solidification time
- reduction of shrinkage cavities
- proper course of alloy crystallization
- gas permeability
- reduction of alloy stresses

The basic types of insulation fittings (i.a. for casting) most frequently manufactured by ZMC Zamac are shown below. Values are given in millimeters. If you require a different fitting, please contact us!



Fittings - Pipes, rings	
internal \varnothing	height
20-25	250
30	150, 200, 250 300
35	250
40	150, 250, 300
50	150, 300, 500
60	150, 250, 300, 600
70	120
80	150, 300
90	60, 400
95	155
100	40, 150, 300, 500
106	400
110	400
115	230
120	40, 150, 200, 600
125	180
130	250
135	250, 260
140	60, 150, 470
150	40, 150, 180, 500
160	200, 340
180	150, 200, 250
190	500
200	200, 250
215	200
220	350
230	330
235	400
240	150
250	60, 120, 200, 250, 300
255	55
260	190
280	160, 415
290	160
300	200, 300
320	230, 350
360	230
400	250, 300
450	250
460	150, 210
475	300
600	200
630	200
760	200, 250
800	200
870	250

Fittings - Closed pipes	
internal \varnothing	height
C40	150
C50	70
C50	165
C50	250
C60	150
C60	200
C60	250
110	150
140	230
150	270
160	100
250	250

Fittings - ovals		
internal width	internal length	height
40	80	150, 300
60	100, 140	150, 300, 600
70	140	230
80	100, 125, 160	120, 150, 280
100	120, 200	120, 150, 200, 300
120	140, 240	200

Neckdown fittings		
internal \varnothing	neck internal \varnothing	height
50	25	100, 150
60	45	300
78	38	100, 150, 250
85	45	100
94	48	100
118	60	150
147	70	195

Fittings - caps		
bottom internal \varnothing	height	R
50	76	20
102	133	43
80	130	35
120	192	53
151	235	65
200	310	90

Fittings - boxes/casings		
internal width	internal length	height
50	100	85
30	80	70, 150
40	80Z	150, 260

Fittings - plugs		
bottom internal \varnothing	internal height	R
53	100	10
71	157	6
80	152	16
82	143	17
83	187	6
102	242	6





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