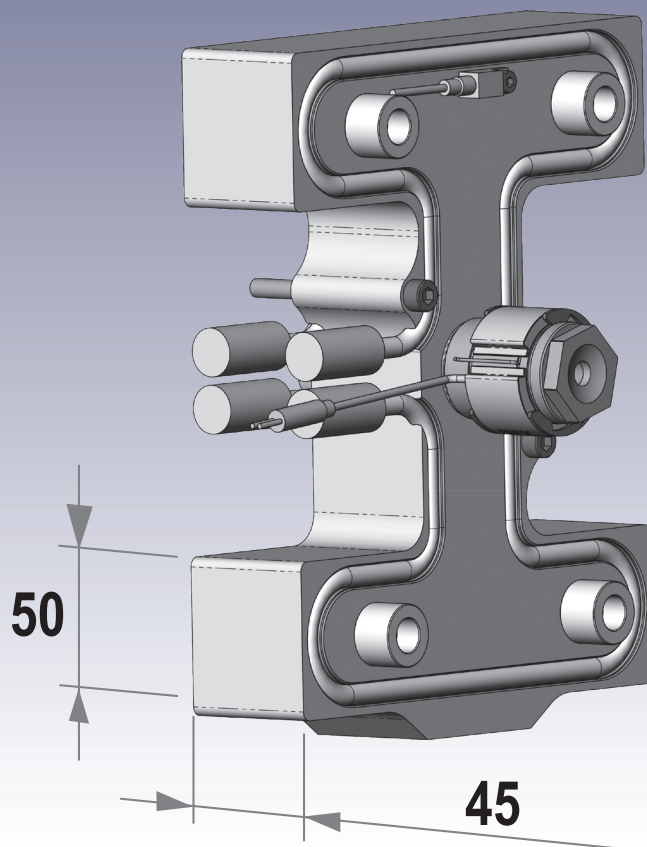


Hot Runner Manifold Series V-45

Catalog



Stabilize your Process _____



Hot Runner System - Thrust Pad Manifold

Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Product Type

V-45 manifold for use with valve gate pins.
Hot runner manifold of series V-45 which are characterised by the following dimensions:

	J2	M
Flow bore (Standard)	Ø 9 mm	45 mm
Flow bore (optional / max.)	Ø 12 mm	50 mm

The manifolds can be supplied in standard shapes (I, H, X, Y) and in any realizable customized shape.

The runners of standard manifolds are mechanically balanced.

Components

Melt flow components

1) Manifold block including heaters, connections and thermocouple.

2) Inlet bushing (including heater).

Attached parts and accessories

3) Center support

4) Dowel

5) Thrust pad

Major Dimensions (mm)

A	Manifold cutout, right (above)	10
B	Manifold cutout, left (below)	15
C	Height center support	15

IB24

De1 Ø of contact inlet bushing Ø24

De2 Ø of cutout inlet bushing Ø40

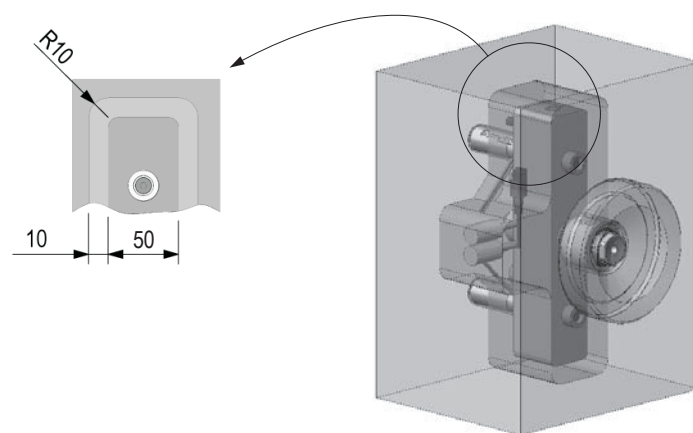
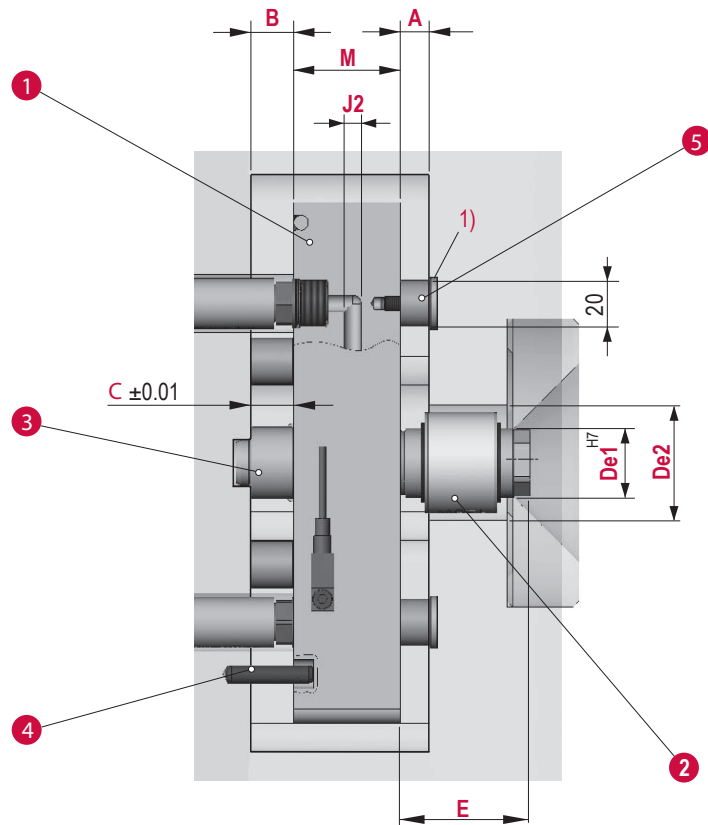
E Height inlet bushing 15/45/
65/85

IB32

De1 Ø of contact inlet bushing Ø32

De2 Ø of cutout inlet bushing Ø50

E Height inlet bushing 15/45/
65/85



1) Hardened insert recommended; is not supplied with the hot runner system.



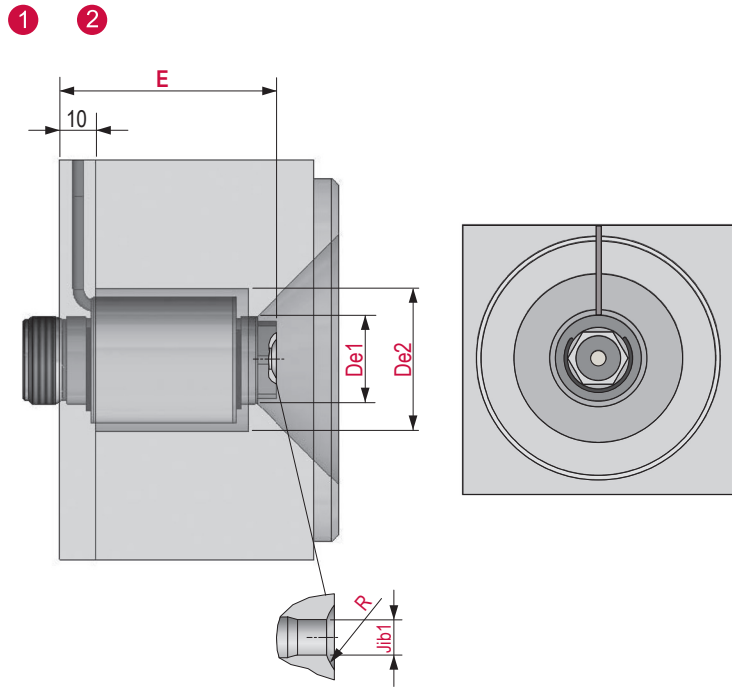
Inlet Bushings

Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Inlet bushings which can be combined with hot runner manifolds of series V-45:

- ① IB24...15...45...65...85
- ② IB32...15...45...65...85

- all length's heated
- threaded into manifold



Type	E (mm)	De1 (mm)	De2 (mm)	R (mm)	Jib1 (mm)	Heater power (Watt)
IB24-015	15	24	40	max. 40	6	-
IB24-045	45	24	40	max. 40	6	220W
IB24-065	65	24	40	max. 40	6	300W
IB24-085	85	24	40	max. 40	6	380W
IB32-015	15	32	50	max. 40	6 / 8 / 10	-
IB32-045	45	32	50	max. 40	6 / 8 / 10	400W
IB32-065	65	32	50	max. 40	6 / 8 / 10	400W
IB32-085	85	32	50	max. 40	6 / 8 / 10	445W



Attached Parts and Accessories

Attached parts and accessories for hot runner manifolds of series V-45

1 MCS30-15-02

Center support	Lcs (mm)	-
MCS30-15-02	15	

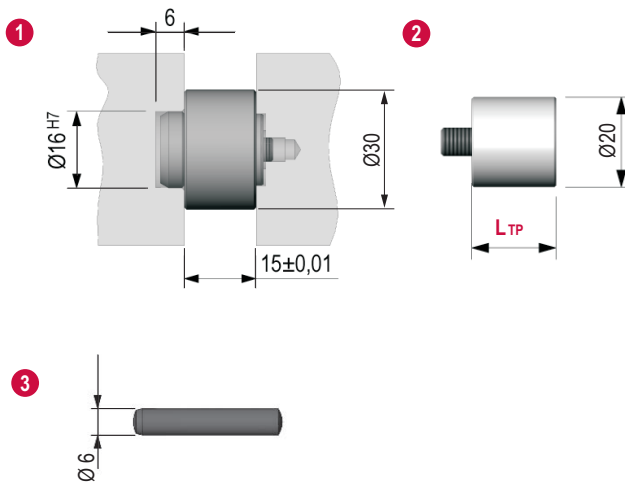
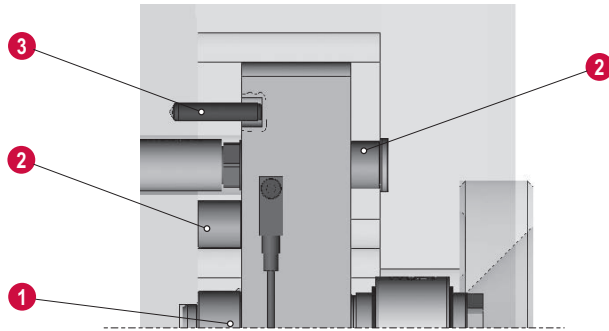
2 Thrust Pad

Thrust pad	L _{TP} (mm)	-
TP20-10-01	10	
TP20-15-01	15	

3 Dowel

→ DIN7979: 6 m6

Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.





Manifold Types and Styles

Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

1 Manifolds in Standard Shape

Manifolds in standard shape have been designed by implementing the standard cavity and runner layouts which are widely used in practice: I, H, X and Y.

Shown on the right there are several examples for manifolds in standard shape based on the components of series V-45. They are designed and made according to the customer's specification.

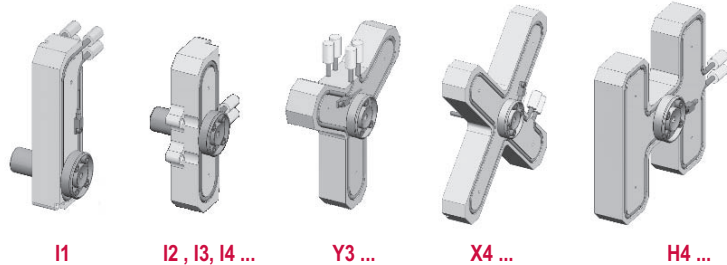
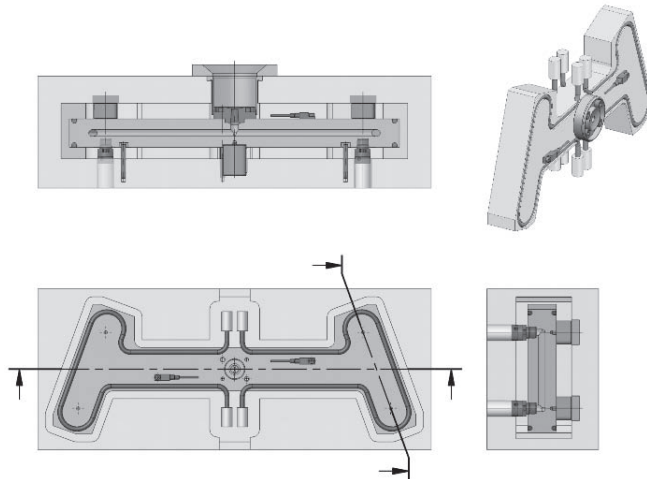
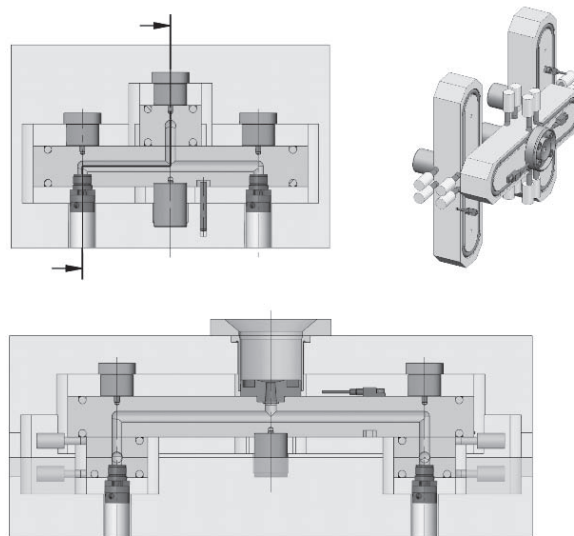
Using capital letters to describe the different manifold types does not only refer to the shape of the manifold but also to the runner layout inside the manifold. The number represents the number of nozzles attached to the manifold.

2 Manifolds in Customised Shape

Manifolds in customised shape are designed and made according to the customer's specification by using components of the selected manifold series.

3 Bridge Manifolds

Bridge manifolds make it possible to combine several manifolds to one feed system. They are designed and made according to the customer's specification by using components of the selected manifold series.

1**2****3**

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