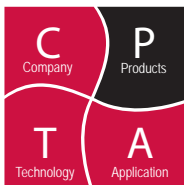
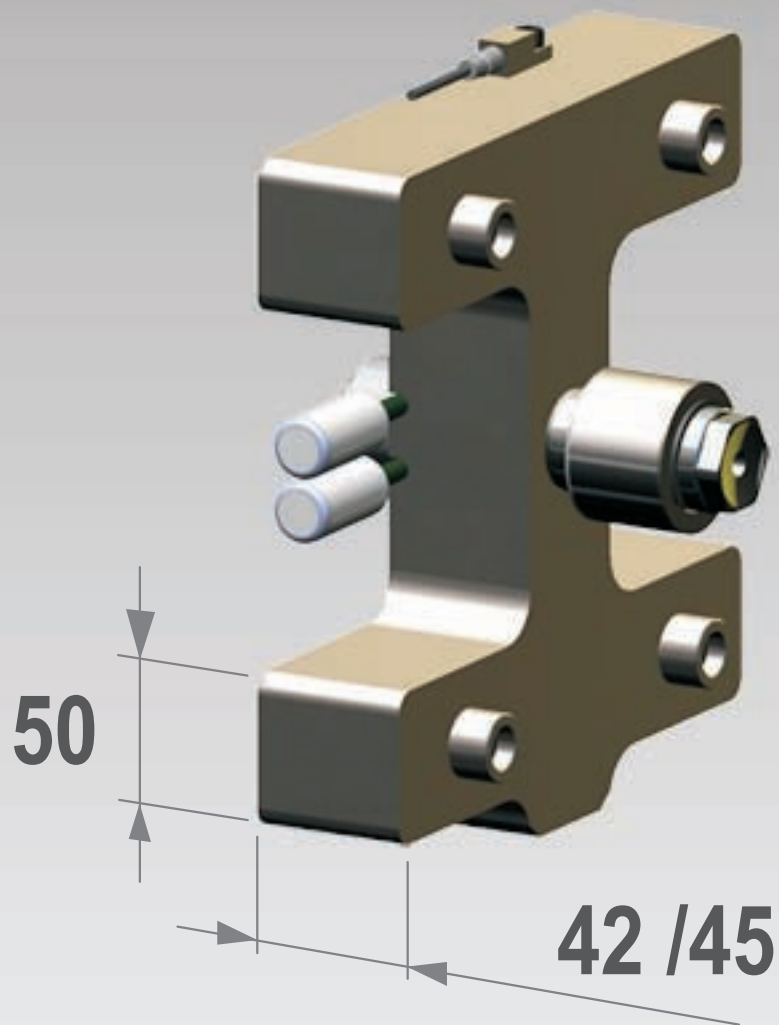


Series V-42 / V-45

Hot Runner Manifolds



Illustrations simplified, schematically drawn and not to scale.

Product type

V-42 manifold for open flow bore.
V-45 manifold for use with valve gate pins.
Hot runner manifold of series V-42 / V-45 which are characterised by the following dimensions:

- M** Thickness 42 mm / 45 mm
- J2** Flow bore Ø max. Ø12 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

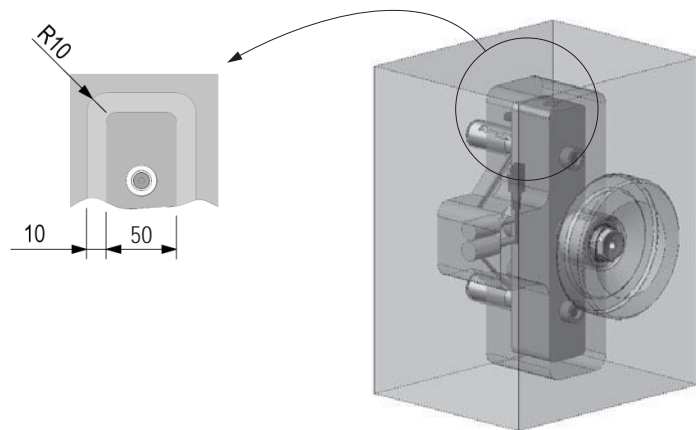
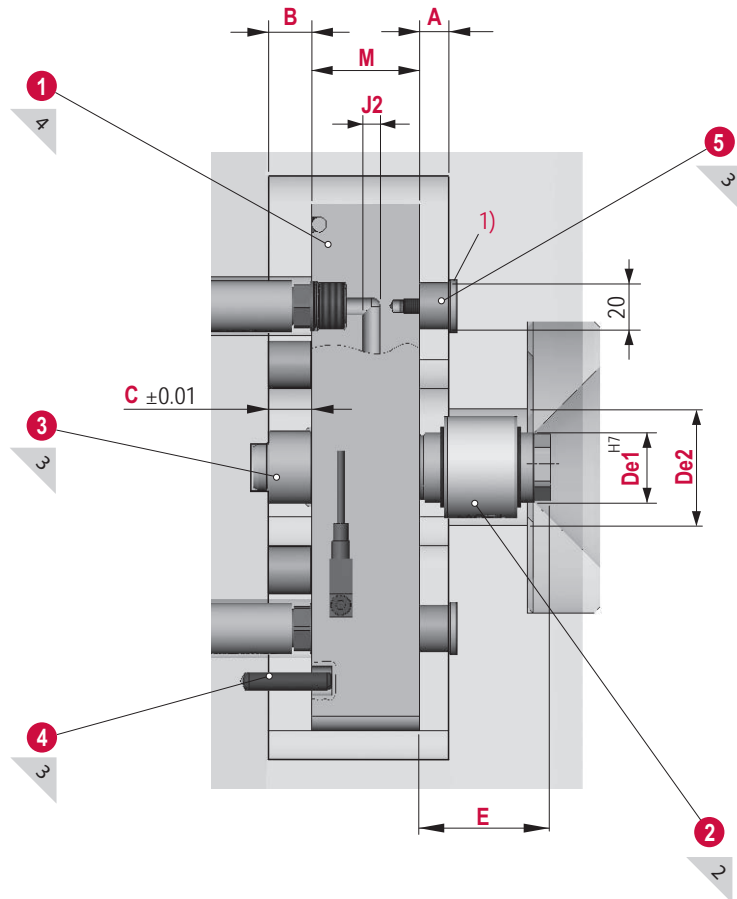
1. Manifold block including heaters, connections and thermocouple
2. Inlet bushing (including heater)

Attached parts and accessories

3. Centre support
4. Dowel
5. Support pad

Major dimensions (mm)

A	Manifold cut out, right (above)	10
B	Manifold cut out, left (below)	15
C	Height centre support	15
BC 024		
De1	Ø of contact inlet bushing	Ø24
De2	Ø of cut out inlet bushing	Ø40
E	Height inlet bushing	15/45/ 60/100
BC 032		
De1	Ø of contact inlet bushing	Ø32
De2	Ø of cut out 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 which can be combined with hot runner manifolds of series V-42 / V-45:

1. BC032...15...45...65...85

2. BC024...15...45...60...100

- all length's heated
- threaded into manifold

Here you can configure your inlet bushing

Complete the inlet bushing description
Example: BC 032

BC 032

Part code ↑ Length ↑ R ↑

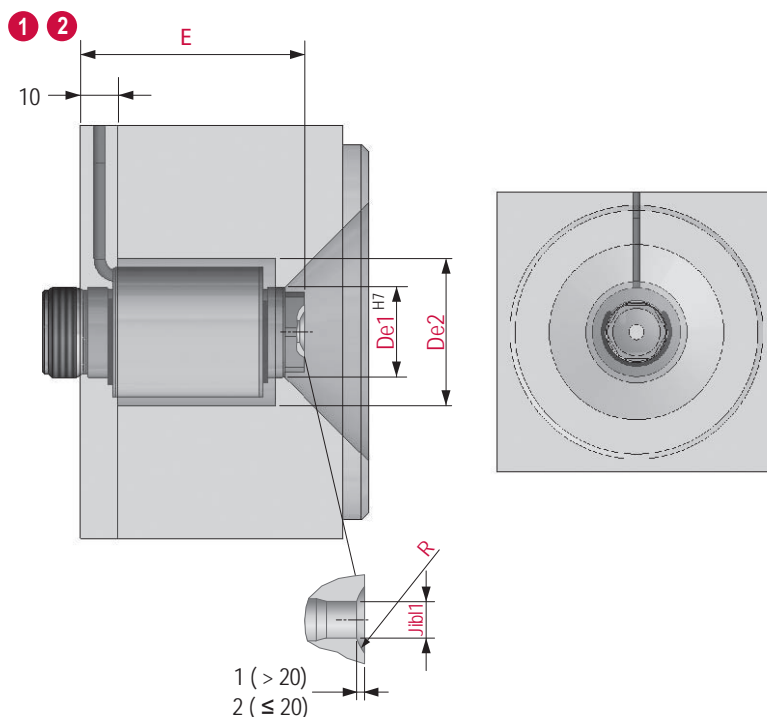
Example and explanations

BC 032 **065** **16**

Part code ↑ Length code ↑ R ↑

Variables for precise part specification from the drawings and tables shown here

Illustrations simplified, schematically drawn and not to scale.



Type	E (mm)	De1 (mm)	De2 (mm)	R (mm)	Jib1 (mm)	-	-	Heater power (Watt)
BC 024-015	15	24	40	max. 40	6			-
BC 024-045	45	24	40	max. 40	6			140
BC 024-060	60	24	40	max. 40	6			180
BC 024-100	100	24	40	max. 40	6			250
BC 032-015	15	32	50	max. 40	8			-
BC 032-045	45	32	50	max. 40	8			158
BC 032-065	65	32	50	max. 40	8			200
BC 032-085	85	32	50	max. 40	8			200

Attached parts and accessories for hot runner manifolds of series V-42 / V-45

1. MCS 30-15-02

Centre support	Lcs (mm)	-
MCS 30-15-02	15	-

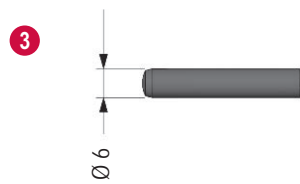
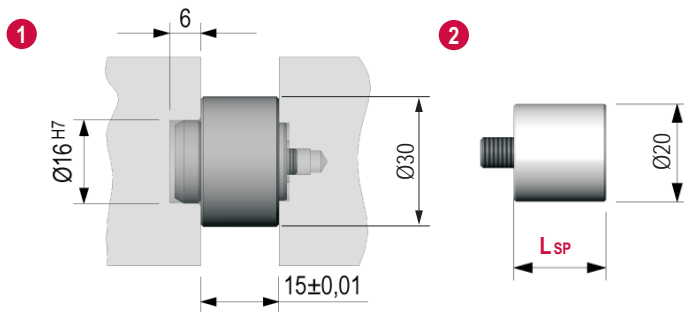
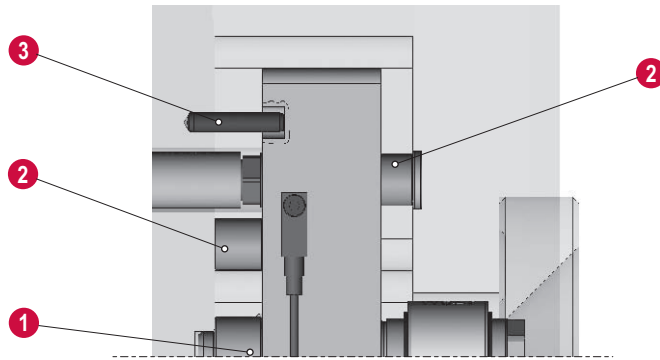
2. SUPPORT PAD

Support pad	Lms (mm)	-
TP20-10-01	10	-
TP20-15-01	15	-

3. DIN7979: 6 m6

→ Dowel

Illustrations simplified, schematically drawn and not to scale.



Illustrations simplified, schematically drawn and not to scale.

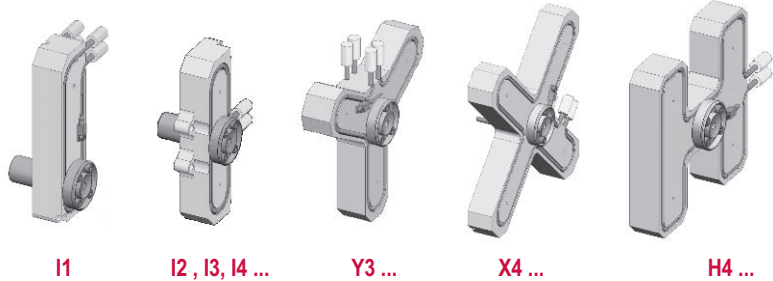
1. Manifolds in standard shape

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-42 / 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.

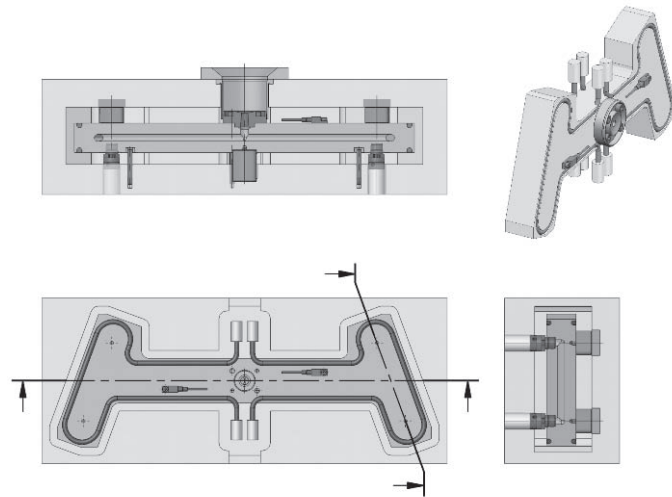
1



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.

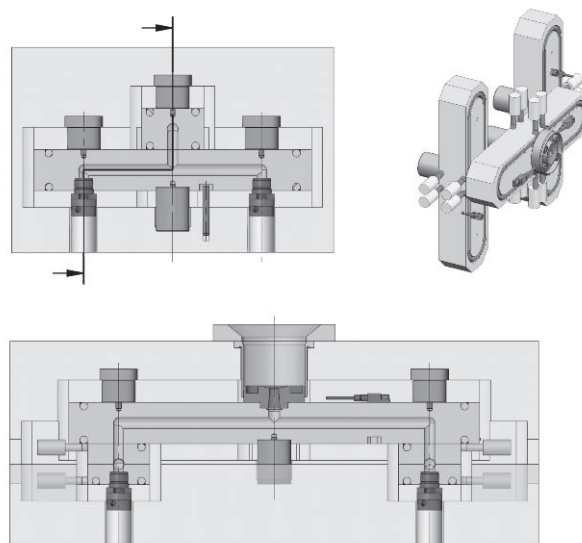
2



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.

3



1) Manifold images shown are for example only and are intended for shape visualization only.

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