BXVG13



Tip (Code)	G1	G2	G5
One-hole Torpedo Tip	×	×	×
Open Tip (X 13 OV)	✓	×	×

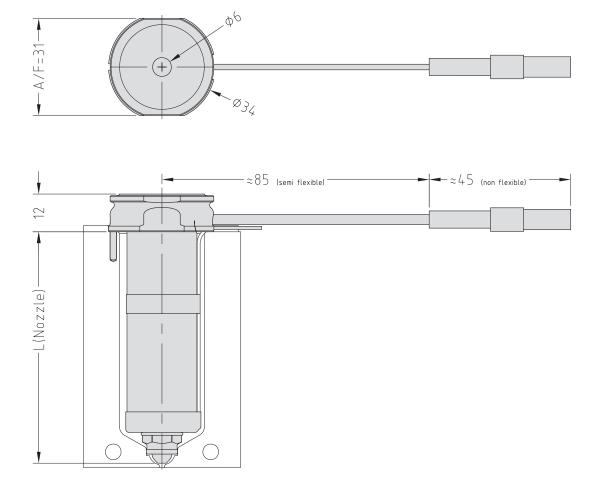
To order a nozzle assembly:

provide the Nozzle Code + Grade (Order example: BXOV13145 G1)

To order a tip:

provide the Tip Code + Grade (Order example: X 13 OV G1)

Nozzle Dimensions



^{*} Pins are supplied Ø2.0 x 250 and must be cut to required length and taper added by mould maker at time of installation.

Order Codes and Expansion

Open Tip Nozzle Code	L	E@∆T =200°C	E@∆T =250°C
BX0V13045	45	0.12	0.15
BX0V13055	55	0.15	0.18
BX0V13065	65	0.17	0.21
BX0V13075	75	0.20	0.25
BX0V13095	95	0.25	0.31
BX0V13115	115	0.30	0.38
BX0V13145	145	0.38	0.48

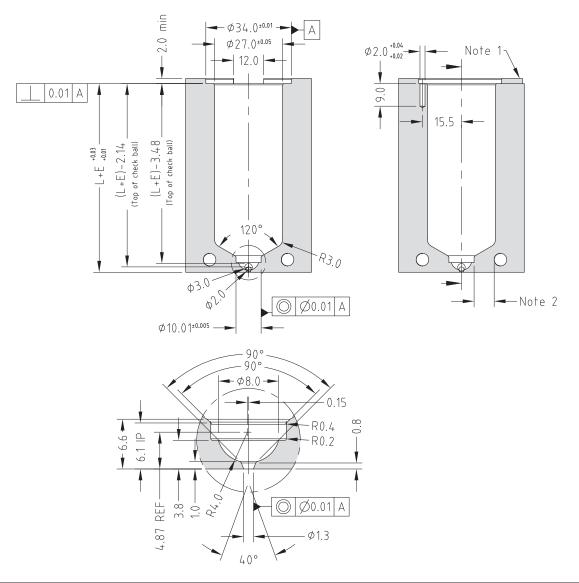
Valve Gate Assembly

Order Code	Actuation Type	Pin Size	Stroke
MVG40 – 2.0 x 250	Pneumatic	2.0	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

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BXVG16



Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 16 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 16 OV)	√	×	×

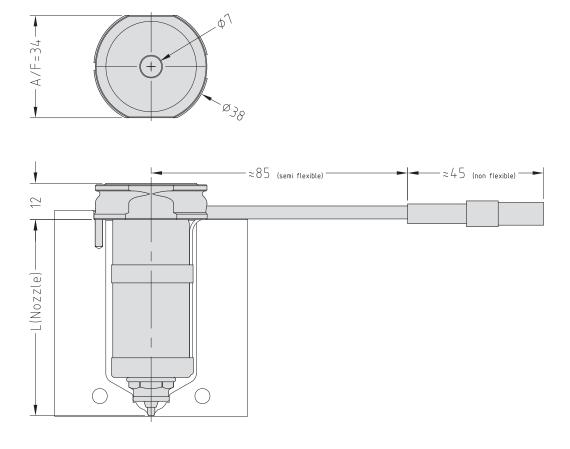
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXTV16175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 16 TV G1)

Nozzle Dimensions



^{*} Pins are supplied Ø2.5 x 250 and must be cut to required length and taper added by mould maker at time of installation

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@∆T =200°C	E@∆T =250°C
BXTV16045	BX0V16045	45	0.12	0.15
BXTV16055	BX0V16055	55	0.15	0.18
BXTV16065	BX0V16065	65	0.17	0.21
BXTV16075	BX0V16075	75	0.20	0.25
BXTV16095	BX0V16095	95	0.25	0.31
BXTV16115	BX0V16115	115	0.30	0.38
BXTV16145	BX0V16145	145	0.38	0.48

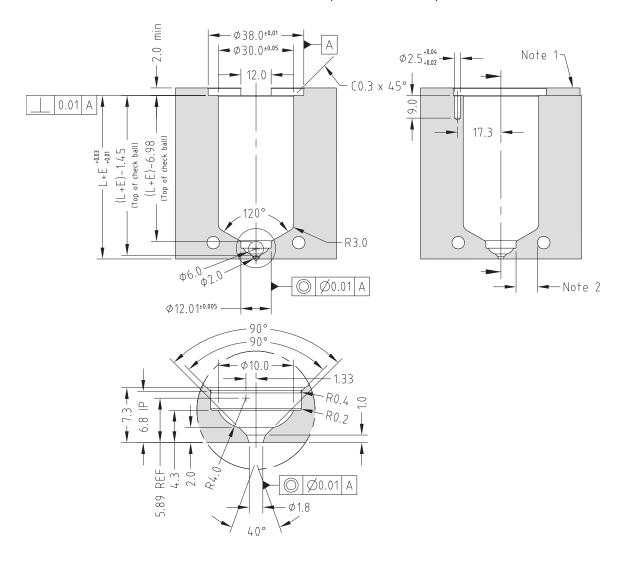
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-2.5	Hydraulic	2.5	10
MVG40-2.5x250	Pneumatic	2.5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 16 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 16 OV)	√	×	×

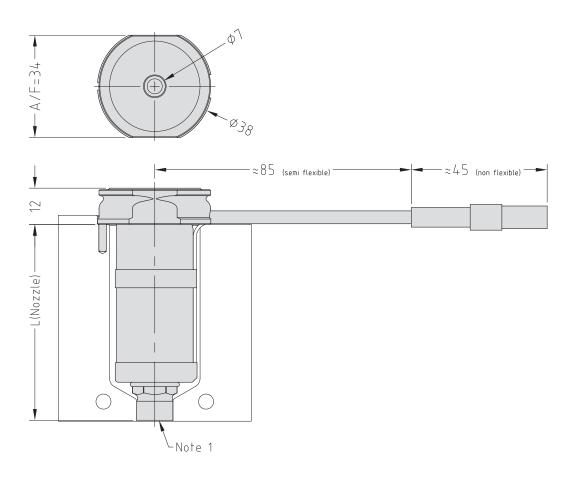
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXOVBE16175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 16 OV G1)

Nozzle Dimensions



- 1. Modify the contact area to suit the application.
- ightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied $\emptyset 2.5 \times 250$ and must be cut to required length and taper added by mould maker at time of installation

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@∆T =200°C	E@∆T =250°C
BXTVBE16045	BXOVBE16045	45	0.12	0.15
BXTVBE16055	BX0VBE16055	55	0.15	0.18
BXTVBE16065	BXOVBE16065	65	0.17	0.21
BXTVBE16075	BXOVBE16075	75	0.20	0.25
BXTVBE16095	BXOVBE16095	95	0.25	0.31
BXTVBE16115	BXOVBE16115	115	0.30	0.38
BXTVBE16145	BXOVBE16145	145	0.38	0.48

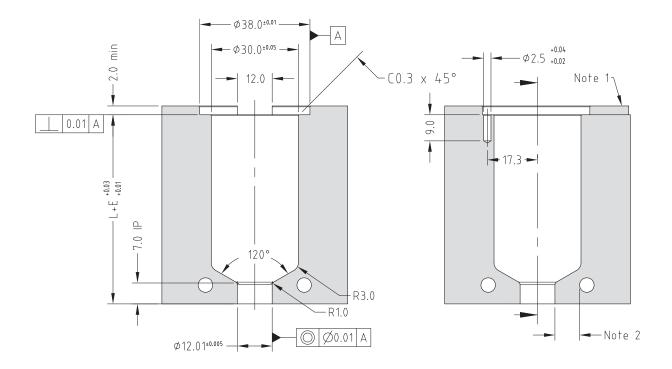
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-2.5	Hydraulic	2.5	10
MVG40-2.5x250	Pneumatic	2.5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 16 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 16 OV)	√	×	×

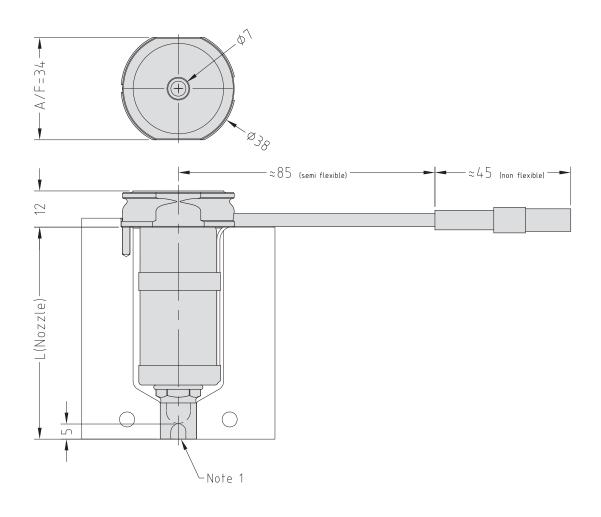
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXOVSN16175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 16 OV G1)

Nozzle Dimensions



- 1. Modify the contact area and the sprue nut to suit the application.
- \rightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied $\emptyset 2.5 \times 250$ and must be cut to required length and taper added by mould maker at time of installation

Multi-Hole Torpedo Nozzle Code	Open Tip Nozzle Code	L	E@∆T =200C	E@∆T =250C
BXTVSN16045	BXOVSN16045	50	0.13	0.17
BXTVSN16055	BXOVSN16055	60	0.16	0.20
BXTVSN16065	BXOVSN16065	70	0.19	0.23
BXTVSN16075	BX0VSN16075	80	0.21	0.26
BXTVSN16095	BXOVSN16095	100	0.26	0.33
BXTVSN16115	BX0VSN16115	120	0.32	0.40
BXTVSN16145	BXOVSN16145	150	0.40	0.50

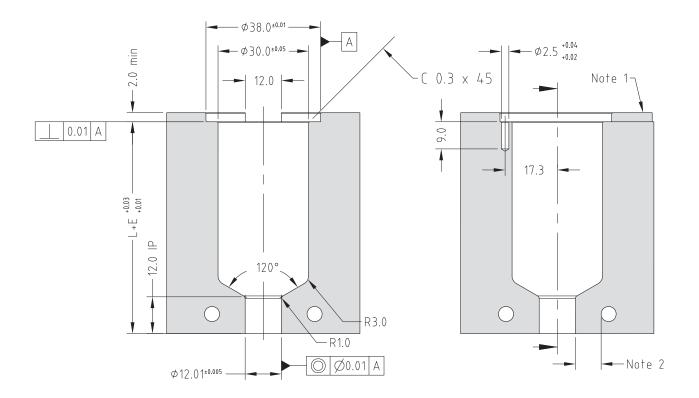
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-2.5	Hydraulic	2.5	10
MVG40-2.5x250	Pneumatic	2.5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

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BXVG19



Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 19 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 19 OV)	√	×	✓

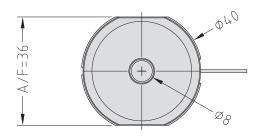
To order a nozzle assembly:

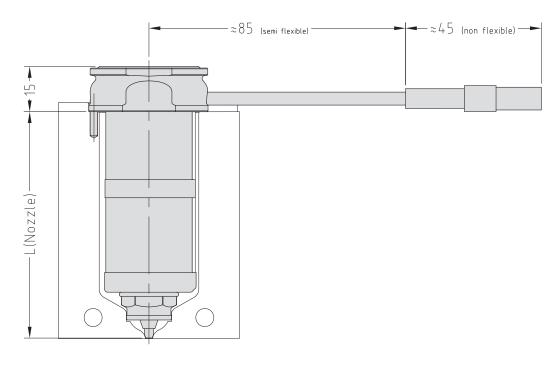
Provide the Nozzle Code + Grade (Order example: BXTV19175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 19 TV G1)

Nozzle Dimensions





^{*} Pins are supplied Ø3.0 x 250 and must be cut to required length and taper added by mould maker at time of installation.

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@∆T =200°C	E@∆T =200°C
BXTV19055	BX0V19055	55	0.15	0.18
BXTV19065	BX0V19065	65	0.17	0.21
BXTV19075	BX0V19075	75	0.20	0.25
BXTV19095	BX0V19095	95	0.25	0.31
BXTV19115	BX0V19115	115	0.30	0.38
BXTV19145	BX0V19145	145	0.38	0.48

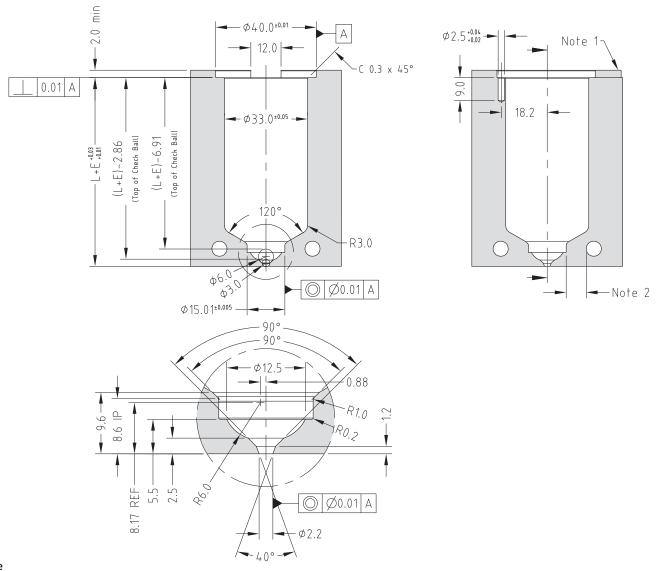
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-3.0	Hydraulic	3	10
MVG40-3.0x250	Pneumatic	3	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 19 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 19 OV)	√	×	✓

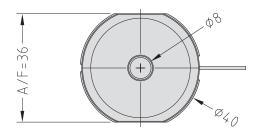
To order a nozzle assembly:

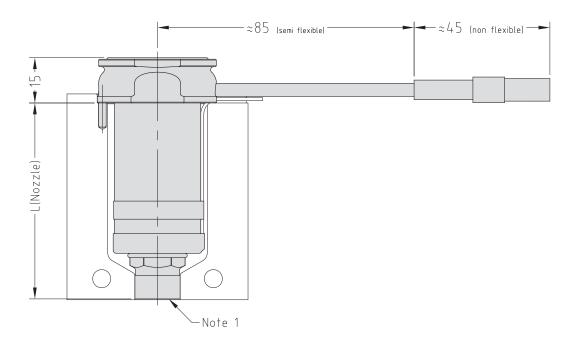
Provide the Nozzle Code + Grade (Order example: BXOVBE19175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 19 OV G1)

Nozzle Dimensions





- 1. Modify the contact area to suit the application.
- \rightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied Ø3.0 x 250 and must be cut to required length and taper added by mould maker at time of installation.

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@ΔT =200°C	E@∆T =250°C
BXTVBE19055	BX0VBE19055	55	0.15	0.18
BXTVBE19065	BXOVBE19065	65	0.17	0.22
BXTVBE19075	BX0VBE19075	75	0.20	0.25
BXTVBE19095	BXOVBE19095	95	0.25	0.31
BXTVBE19115	BX0VBE19115	115	0.30	0.38
BXTVBE19145	BXOVBE19145	145	0.38	0.48

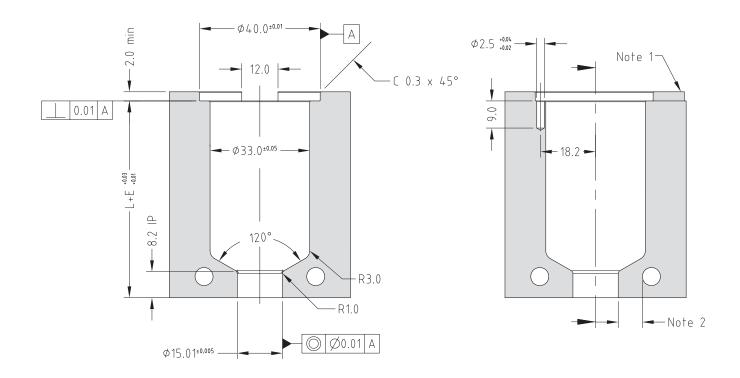
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-3.0	Hydraulic	3	10
MVG40-3.0x250	Pneumatic	3	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G2	G5
Multi-hole Torpedo Tip (X 19 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 19 OV)	√	×	✓

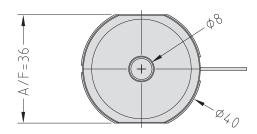
To order a nozzle assembly:

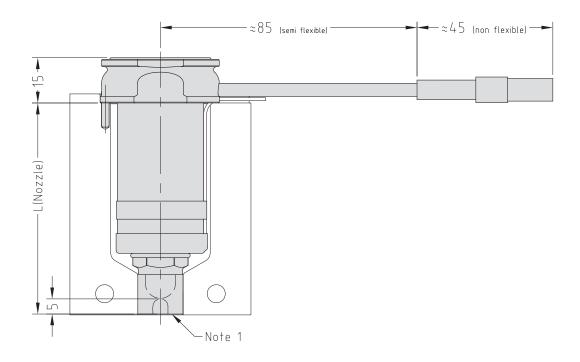
Provide the Nozzle Code + Grade (Order example: BXOVSN19175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 19 OV G1)

Nozzle Dimensions





- 1. Modify the contact area and the sprue nut to suit the application.
- \rightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied Ø3.0 x 250 and must be cut to required length and taper added by mould maker at time of installation.

Multi-Hole Torpedo Nozzle Code	Open Tip Nozzle Code	L	E@∆T =200C	E@∆T =250C
BXTVSN19055	BX0VSN19055	60	0.16	0.20
BXTVSN19065	BXOVSN19065	70	0.19	0.23
BXTVSN19075	BX0VSN19075	80	0.21	0.26
BXTVSN19095	BX0VSN19095	100	0.26	0.33
BXTVSN19115	BX0VSN19115	120	0.32	0.40
BXTVSN19145	BXOVSN19145	150	0.40	0.50

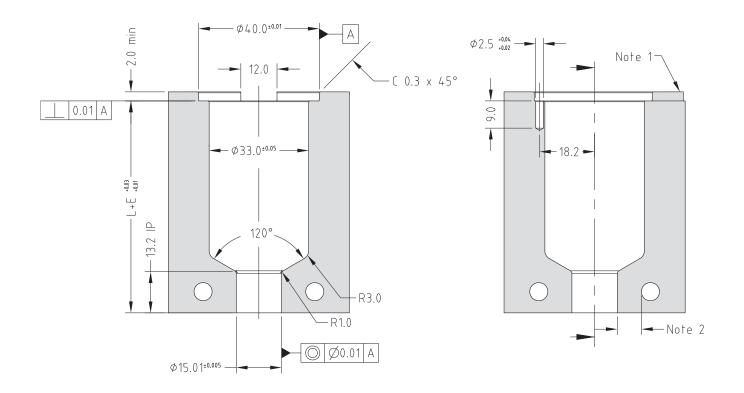
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-3.0	Hydraulic	3	10
MVG40-3.0x250	Pneumatic	3	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

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BXVG27



Tip (Code)	G1	G4	G5
Multi-hole Torpedo Tip (X 27 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 27 OV)	√	×	✓

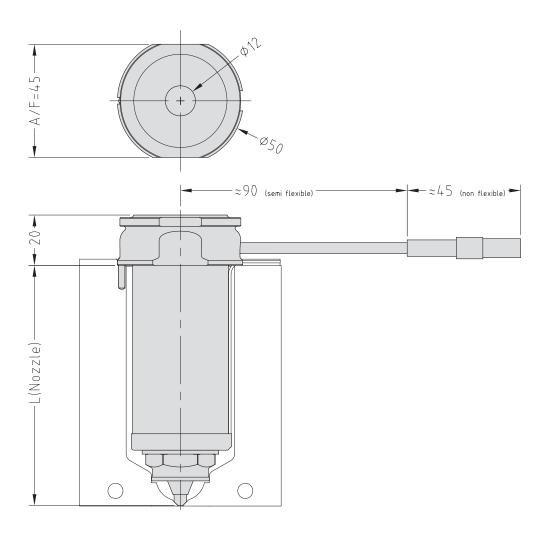
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXTV27175 G1)

To order a tip:

provide the Tip Code + Grade (Order example: X 27 TV G1)

Nozzle Dimensions



^{*} Pins are supplied $\emptyset 5.0 \times 350$ and must be cut to required length and taper added by mould maker at time of installation

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@ΔT =200°C	E@∆T =250°C
BXTV27075	BX0V27075	75	0.20	0.25
BXTV27095	BX0V27095	95	0.25	0.31
BXTV27115	BX0V27115	115	0.30	0.38
BXTV27145	BX0V27145	145	0.38	0.48
BXTV27175	BX0V27175	175	0.46	0.58
BXTV27225	BX0V27225	225	0.59	0.74

Valve Gate Actuator

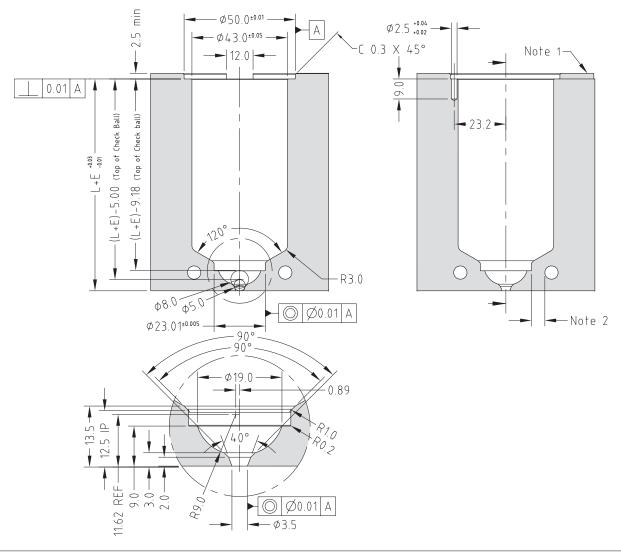
Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-5	Hydraulic	5	10
MVG40-5.0 x 350	Pneumatic	5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

BX Valve Gate

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G4	G5
Multi-hole Torpedo Tip (X 27 TV)	√	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 27 OV)	✓	×	✓

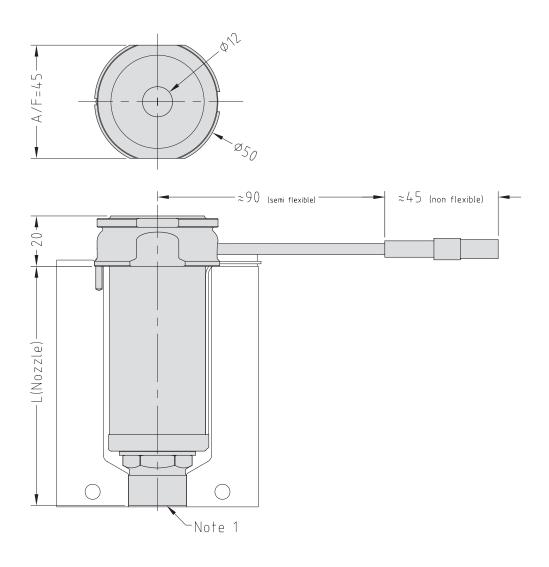
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXOVBE27175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 27 OV G1)

Nozzle Dimensions



- 1. Modify the contact area to suit the application.
- ightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied Ø5.0 x 350 and must be cut to required length and taper added by mould maker at time of installation.

Multi-hole Torpedo Tip Nozzle Code	Open Tip Nozzle Code	L	E@ΔT =200°C	E@∆T =250°C
BXTVBE27075	BX0VBE27075	75	0.20	0.25
BXTVBE27095	BX0VBE27095	95	0.25	0.31
BXTVBE27115	BX0VBE27115	115	0.30	0.38
BXTVBE27145	BX0VBE27145	145	0.38	0.48
BXTVBE27175	BX0VBE27175	175	0.46	0.58
BXTVBE27225	BXOVBE27225	225	0.59	0.74

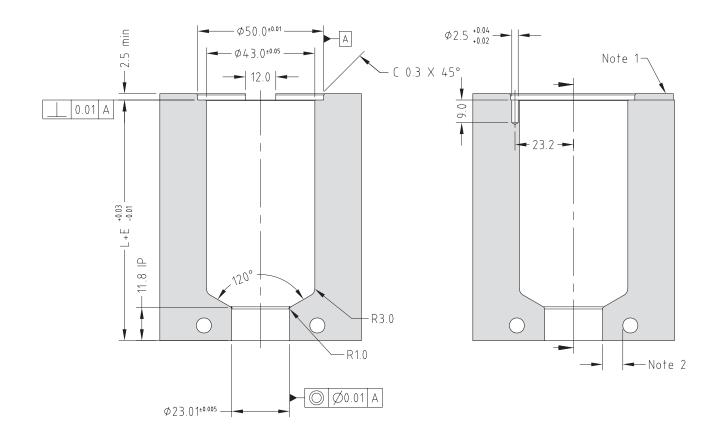
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-5	Hydraulic	5	10
MVG40-5.0 x 350	Pneumatic	5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

Tip (Code)	G1	G4	G5
Multi-hole Torpedo Tip (X 27 TV)	✓	×	×
One-hole Torpedo Tip	×	×	×
Open Tip (X 27 OV)	✓	×	✓

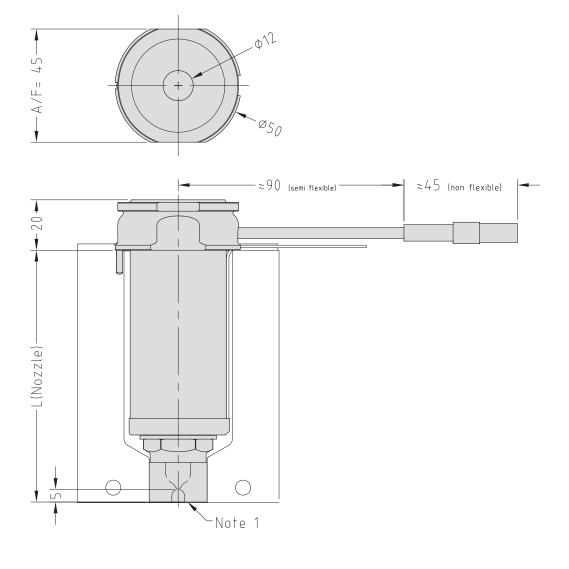
To order a nozzle assembly:

Provide the Nozzle Code + Grade (Order example: BXOVSN27175 G1)

To order a tip:

Provide the Tip Code + Grade (Order example: X 27 OV G1)

Nozzle Dimensions



- 1. Modify the contact area and the sprue nut to suit the application.
- ightarrow See Gate Modifications and Cooling sections in the Technical Specifications.
- * Pins are supplied Ø5.0 x 350 and must be cut to required length and taper added by mould maker at time of installation.

Multi-Hole				
Torpedo Tip	Open Tip		E@∇L	E@∆T
Nozzle Code	Nozzle Code	L	=200C	=250C
BXTVSN27075	BX0VSN27075	80	0.21	0.26
BXTVSN27095	BX0VSN27095	100	0.26	0.33
BXTVSN27115	BX0VSN27115	120	0.32	0.40
BXTVSN27145	BX0VSN27145	150	0.40	0.50
BXTVSN27175	BX0VSN27175	180	0.48	0.59
BXTVSN27225	BXOVSN27225	230	0.61	0.76

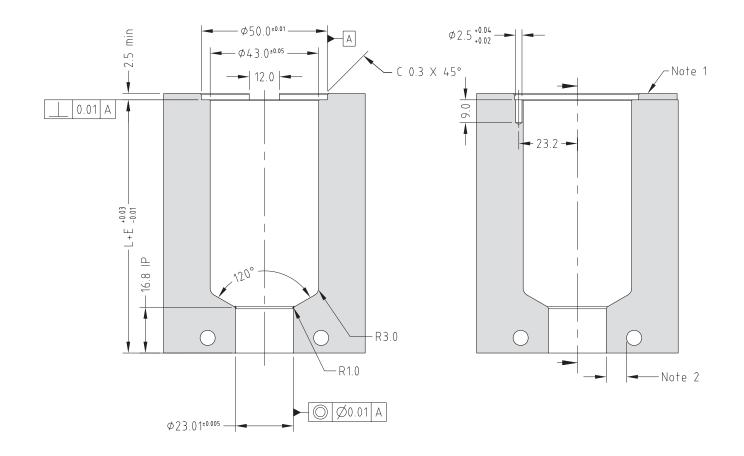
Valve Gate Actuator

Order Code	Actuation Type	Pin Size	Stroke
MVCH2510-5	Hydraulic	5	10
MVG40-5.0 x 350	Pneumatic	5	10

One Valve Gate assembly is required per nozzle

Nozzle Fitment and Gate Dimensions

 $E = L \times 0.0000132 \times (nozzle temp. °C - mould temp. °C)$



- 1. Wire channel to suit mould.
- 2. Gate cooling is critical for correct operation and gate quality. \rightarrow See Cooling section in Technical Specifications.
- * Minimum strength (σ_y) of nozzle plate 800MPa.

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