



Machine Specification and Data Sheet

Machine Type IS 4 1/4

	SINGLE GOB		4 1/4 DOUBLE GOB			3" TRIPLE GOB		
	B&B	P&B	B&B	P&B	NNPB	B&B	P&B	NNPB
Ware Range Reference	H35109		H35105			H35101		
Max Body Diameter with VertiFlow	156mm		76mm			51mm		
Stack Cooling without Vacuum	178mm		90mm			52mm		
Max Body Diameter with Vacuum	170mm		80mm			45mm		
Min. Height Under Finish	61mm	74mm	57mm	40mm		59mm	47mm	
Max. Height Under Finish with VertiFlow	341mm	265mm	301mm	282mm		276mm	268mm	
Max. Finish Diameter	48mm	120mm	48mm	83mm	38mm	30mm	38mm	

MACHINE FEATURES

Control System FlexIS	■		■			■		
Integrated Drive System	■		■			■		
Servo Gob Distributor	■		■			■		
Delivery Suspension System DSS	■		■			■		
VertiFlow Blank Cooling	N/A		■			N/A		
InVertiFlow Blank Cooling	N/A		■			N/A		
Quick change Plunger Mechanism	■		■			■		
Plunger Process Control PPC	NA		■			N/A		
Quick change Accessories	■		■			■		
VertiFlow Blowside Cooling	■		■			■		
Constant Cushion Invert	■		■			■		
Constant Cushion Take-out Mechanism	■		■			■		
Servo Electric Invert SEI	■		■			■		
Servo Electric Take-out SETO	■		■			■		
Flex Pressure System FPS	■		■			■		
Conveyor with Silent Chain	■		■			■		
FlexPusher	■		■			■		
High/Low Deadplate Cooling	■		■			■		
Automatic Lubrication System	■		■			■		
Forming Process								
Blow & Blow	■		■			■		
Press & Blow	■		■			■		
Narrow Neck Press & Blow	■		■			■		
Process Change SG to DG or Vice Versa	■		■			■		

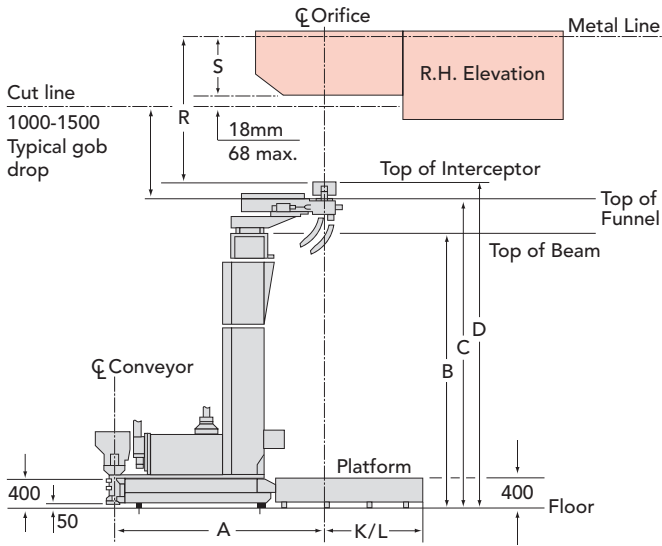
Machine Type IS 4¼

- Available in 6, 8, 10, 12 and 16 section configurations
- Production flexibility in SG, 4 1/4 DG and 3" TG
- Easily converted in the field (SG <=> DG)

Dimension Specifications — IS Machine Sections

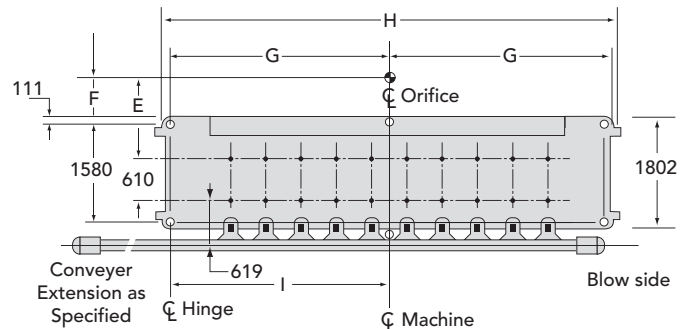
Dimension	Delivery CD	6 mm	8 mm	10 mm	12 mm
A		2398	2398	2398	2658
B		2926	3175	3524	3910
C	SG	3276	3525	3874	4260
C	DG 4 3/8	3355	3604	3954	4339
C	TG 3"	3303	3552	3877	NA
D	SG	3427	3677	4026	4412
D	DG 4 3/8	3507	3756	4105	4491
D	TG 3"	3464	3713	4039	N/A
E		1168	1168	1168	1429
F		651	651	651	911
G		2238	2772	3305	3839
H		4727	5797	6864	7931
I		2245	2779	3312	3846
K B&B Platform		825	825	825	565
L Platform w/NN Tanks		1275	1275	1275	1015
Machine weight including		kg	kg	kg	kg
Molds and Accessories		27'000	35'000	43'000	51'000
General Installation					
Layout Drawing		200-11183	200-11208	200-11210	200-11212

Machine Type IS 4¼



Dimension Specifications for Feeder & Spout

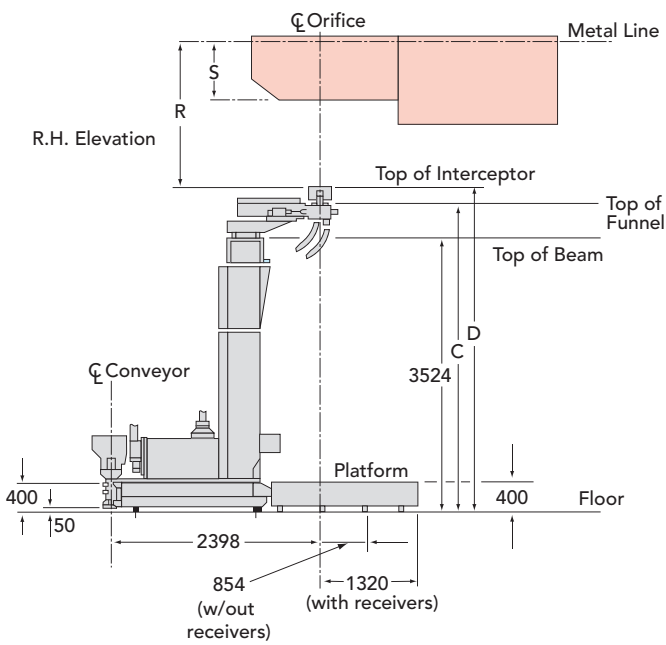
Feeder & Spout	S (mm)		Minimum R (mm)
	Arcuate Shear	Parallel Shear	
81 Std	324	708	737
81 Deep	375	759	788
503	414	822	827
515	477	889	890
555 Std	414	N/A	827
555 Deep	477	N/A	890



Dimension Specifications — IS Machine

Dimension	Delivery CD	Machine Type IS 4 ¼ mm
C	SG	3874
C	DG 4 ⅜	3953
D	SG	4026
D	DG 4 ⅜	4105
E	Centered Delivery	4547
E	Offset Delivery	5614
Machine weight including		kg
Molds and Accessories		66'000
General Installation Layout Drawing		200-11216

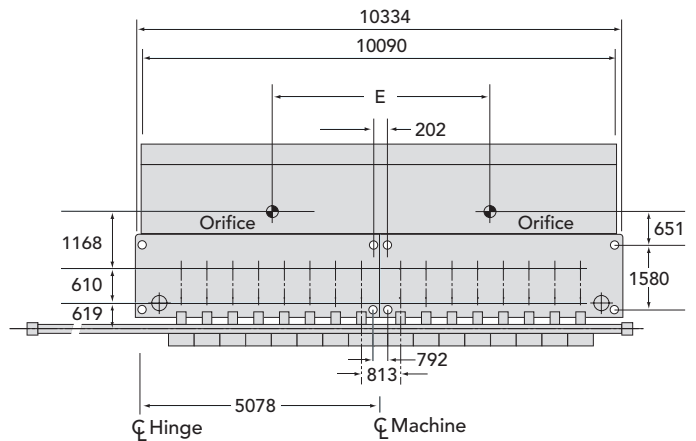
16 Section



Dimension Specifications for Feeder & Spout

Feeder & Spout	S (mm)	Minimum R (mm) Parallel Shear
81 Std	324	737
81 Deep	375	788
503	414	827
515	477	890
555 Std	414	827
555 Deep	477	890

For 20 sections please contact Emhart Glass Technical Services.



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Specification

Media	Pressure Bar	Consumption per Section SG/DG Nm3/min	Consumption per Section TG Nm3/min
Low Pressure Operating Air	2.1	1.0	1.0
High Pressure Operating Air	3.1	1.0	1.0
Forming Air (B&B)	3.1	1.8	1.8
Forming Air (P&B)	3.1	2.6	2.6
Vacuum	150 mbar	0.2-0.3	0.2-0.3
Cooling Air Stack only	1200 mm H ₂ O	75	60
VertiFlow Blowside and Blank Stack	1200 mm H ₂ O	50	40
VertiFlow Blank and Blow Side	1200 mm H ₂ O	35	N/A
VertiFlow Blow Side	1200 mm H ₂ O	20	9
Conveyor	600mm H ₂ O	10	10
Lubrication Oil	80	1.3 liter/day	1.3 liter/day
Cooling Water	2.1	15 liter/min	15 liter/min

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All the above figures are typical values. For project requirements contact Emhart Glass Technical Service.