

Приводы низкого давления PLA/PLAS

Технические характеристики

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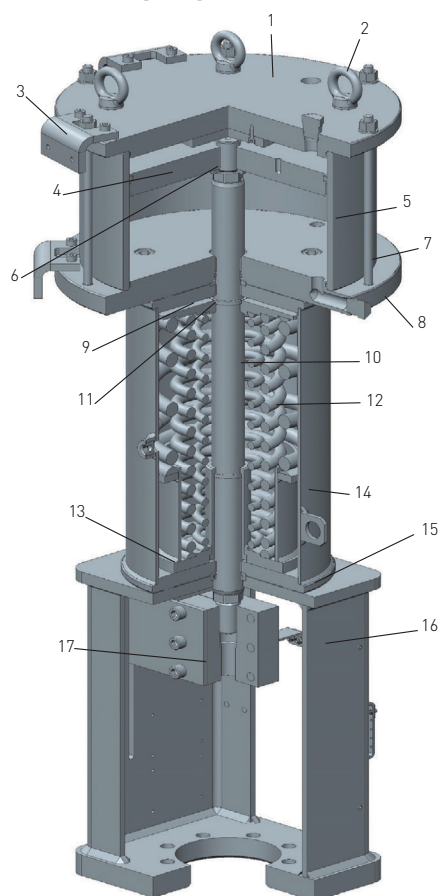
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Линейные приводы PLA/PLAS

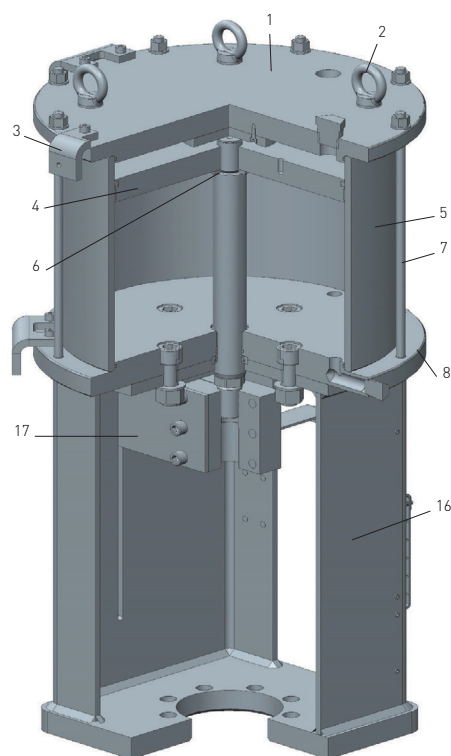
Пневматические приводы Biffi двойного действия с возвратной пружиной для включения-выключения и регулирования запорной арматуры. Обладают преимуществами приводов Biffi ALGA и RPD.



Biffi PLAS Spring-return actuator



Biffi PLA Double-acting actuator



Parts List

Item	Description	Material
1	Cylinder end flange	Carbon steel
2	Lifting eye	Carbon steel
3	Mounting boss	Stainless steel
4	Piston	Carbon steel
5	Cylinder tube	Carbon steel
6	Piston seal	NBR
7	Cylinder tie rods	Carbon steel
8	Cylinder head flange	Carbon steel
9	Spring end flange	Carbon steel
10	Piston rod	Stainless steel
11	Bushing	PTFE
12	Springs	Carbon steel
13	Spring thrust flange	Carbon steel
14	Spring container	Carbon steel
15	End flange	Carbon steel
16	Yoke boss	Carbon steel
17	Valve stem connector	Carbon steel

Biffi PLA Double-Acting Actuator

Thrust Table - Output Thrust (kN), Models PLA#50K-280-115-F0 to PLA#450K-685-623-F0

Model	Travel mm (in)	Operating supply pressure (barg)															
		3.5		4		4.5		5		5.5		6		8		10	
		AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET
PLA#50K-280-115-F0	115	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-115-F0	115	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-115-F0	115	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-115-F0	115	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-115-F0	115	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-115-F0	115	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-115-F0	115	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-115-F0	115	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-115-F0	115	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4
PLA#50K-280-216-F0	216	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-216-F0	216	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-216-F0	216	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-216-F0	216	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-216-F0	216	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-216-F0	216	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-216-F0	216	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-216-F0	216	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-216-F0	216	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4
PLA#50K-280-318-F0	318	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-318-F0	318	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-318-F0	318	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-318-F0	318	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-318-F0	318	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-318-F0	318	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-318-F0	318	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-318-F0	318	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-318-F0	318	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4
PLA#50K-280-420-F0	420	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-420-F0	420	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-420-F0	420	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-420-F0	420	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-420-F0	420	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-420-F0	420	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-420-F0	420	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-420-F0	420	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-420-F0	420	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4
PLA#50K-280-521-F0	521	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-521-F0	521	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-521-F0	521	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-521-F0	521	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-521-F0	521	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-521-F0	521	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-521-F0	521	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-521-F0	521	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-521-F0	521	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4
PLA#50K-280-623-F0	623	20.5	20.1	23.4	22.9	26.3	25.8	29.2	28.7	32.2	31.5	35.1	34.4	46.8	45.8	58.5	57.3
PLA#100K-335-623-F0	623	29.3	28.9	33.5	33.0	37.7	37.1	41.9	41.3	46.1	45.4	50.2	49.5	67.0	66.0	83.7	82.5
PLA#150K-385-623-F0	623	38.7	38.3	44.2	43.8	49.8	49.2	55.3	54.7	60.8	60.2	66.4	65.6	88.5	87.5	110.6	109.4
PLA#200K-435-623-F0	623	49.4	49.0	56.5	56.0	63.5	63.0	70.6	70.0	77.7	77.0	84.7	84.0	112.9	112.0	141.2	140.0
PLA#250K-485-623-F0	623	61.4	61.0	70.2	69.7	79.0	78.4	87.8	87.2	96.5	95.9	105.3	104.6	140.4	139.5	175.5	174.3
PLA#300K-535-623-F0	623	74.7	74.3	85.4	84.9	96.1	95.6	106.8	106.2	117.5	116.8	128.1	127.4	170.8	169.9	213.6	212.4
PLA#350K-585-623-F0	623	89.4	88.4	102.1	101.1	114.9	113.7	127.7	126.3	140.4	139.0	153.2	151.6	204.3	202.1	255.3	252.7
PLA#400K-635-623-F0	623	105.3	104.4	120.3	119.3	135.4	134.2	150.4	149.1	165.5	164.0	180.5	178.9	240.7	238.5	300.9	298.2
PLA#450K-685-623-F0	623	122.5	121.6	140.0	139.0	157.5	156.3	175.1	173.7	192.6	191.1	210.1	208.4	280.1	277.9	350.1	347.4

NOTES:

AST (kN) Air starting thrust SET (kN) Air ending thrust

Biffi PLAS Spring-Return Actuators - Spring Extended - Fail Down

Thrust Table - Output Thrust (kN), Models PLAS#100K-280-12K-115-CL-SE-F1 to PLAS#450K-685-33K-420-CL-SE-F1

Model	Travel (mm)	Spring thrust		Operating supply pressure (barg)															
				3.5		4		4.5		5		5.5		6		8		10	
		SST	SET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET
PLAS#100K-280-12K-115-CL-SE-F1	115	14.2	10.5	10.4	6.4	13.6	9.5	16.8	12.7	19.9	15.9	23.1	19.0	26.3	22.2	38.9	34.9	51.6	47.5
PLAS#100K-280-16K-115-CL-SE-F1	115	22.1	14.7	-	-	-	-	12.1	3.9	15.3	7.1	18.4	10.3	21.6	13.4	34.3	26.1	46.9	38.8
PLAS#100K-335-7K-115-CL-SE-F1	115	9.8	6.3	24.9	21.0	29.4	25.5	34.0	30.1	38.6	34.6	43.1	39.2	47.7	43.8	65.9	62.0	84.2	80.3
PLAS#100K-335-12K-115-CL-SE-F1	115	16.8	10.6	20.2	13.2	24.7	17.8	29.3	22.3	33.8	26.9	38.4	31.5	43.0	36.0	61.2	54.3	79.5	72.5
PLAS#100K-335-13K-115-CL-SE-F2	115	27.3	12.2	18.3	1.7	22.9	6.2	27.4	10.8	32.0	15.3	36.6	19.9	41.1	24.5	59.4	42.7	77.6	61.0
PLAS#100K-335-16K-115-CL-SE-F1	115	26.2	14.4	15.9	2.8	20.4	7.4	25.0	11.9	29.5	16.5	34.1	21.1	38.7	25.6	56.9	43.9	75.2	62.1
PLAS#100K-335-16K-115-CL-SE-F2	115	22.1	14.7	15.5	7.4	20.1	11.9	24.7	16.5	29.2	21.0	33.8	25.6	38.3	30.2	56.6	48.4	74.8	66.7
PLAS#100K-335-21K-115-CL-SE-F1	115	26.2	19.0	10.9	2.8	15.4	7.4	20.0	12.0	24.5	16.5	29.1	21.1	33.7	25.6	51.9	43.9	70.2	62.1
PLAS#150K-385-16K-115-CL-SE-F1	115	22.1	14.7	25.9	17.8	32.0	23.8	38.0	29.8	44.1	35.9	50.1	41.9	56.1	48.0	80.3	72.2	104.5	96.4
PLAS#150K-385-16K-115-CL-SE-F2	115	36.7	15.0	25.6	1.7	31.7	7.7	37.7	13.8	43.8	19.8	49.8	25.9	55.9	31.9	80.0	56.1	104.2	80.3
PLAS#150K-385-21K-115-CL-SE-F1	115	36.9	18.9	21.3	1.5	27.4	7.5	33.4	13.6	39.5	19.6	45.5	25.6	51.6	31.7	75.8	55.9	99.9	80.1
PLAS#150K-385-21K-115-CL-SE-F2	115	26.2	19.0	21.2	13.2	27.3	19.3	33.3	25.3	39.4	31.4	45.4	37.4	51.5	43.5	75.7	67.6	99.8	91.8
PLAS#150K-385-25K-115-CL-SE-F1	115	30.5	23.2	16.5	8.5	22.6	14.6	28.6	20.6	34.7	26.7	40.7	32.7	46.8	38.7	71.0	62.9	95.1	87.1
PLAS#200K-435-16K-115-CL-SE-F1	115	22.1	14.7	37.8	29.6	45.5	37.3	53.2	45.1	61.0	52.8	68.7	60.5	76.4	68.3	107.4	99.2	138.3	130.2
PLAS#200K-435-21K-115-CL-SE-F1	115	26.2	19.0	33.1	25.1	40.8	32.8	48.6	40.5	56.3	48.3	64.0	56.0	71.8	63.7	102.7	94.7	133.7	125.6
PLAS#200K-435-22K-115-CL-SE-F2	115	48.0	20.4	-	-	39.2	8.7	47.0	16.4	54.7	24.2	62.4	31.9	70.2	39.6	101.1	70.6	132.1	101.5
PLAS#200K-435-25K-115-CL-SE-F1	115	30.5	23.2	28.4	20.3	36.1	28.1	43.9	35.8	51.6	43.6	59.3	51.3	67.1	59.0	98.0	90.0	129.0	120.9
PLAS#150K-435-27K-115-CL-SE-F1	115	46.5	24.9	26.6	2.6	34.3	10.3	42.0	18.1	49.8	25.8	57.5	33.5	65.2	41.3	96.2	72.2	127.1	103.2
PLAS#200K-485-25K-115-CL-SE-F1	115	30.5	23.2	41.7	33.6	51.3	43.3	60.9	52.9	70.6	62.5	80.2	72.2	89.8	81.8	128.4	120.3	166.9	158.9
PLAS#200K-485-30K-115-CL-SE-F2	115	58.8	27.6	36.8	2.4	46.4	12.0	56.1	21.7	65.7	31.3	75.3	40.9	85.0	50.6	123.5	89.1	162.0	127.6
PLAS#200K-485-33K-115-CL-SE-F1	115	59.8	31.2	32.9	1.2	42.5	10.9	52.2	20.5	61.8	30.1	71.4	39.8	81.1	49.4	119.6	87.9	158.1	126.5
PLAS#250K-535-34K-115-CL-SE-F1	115	45.8	31.7	47.0	31.4	58.8	43.2	70.5	54.9	82.2	66.6	94.0	78.4	105.7	90.1	152.7	137.1	199.6	184.0
PLAS#250K-535-38K-115-CL-SE-F2	115	72.1	35.9	42.4	2.4	54.1	14.1	65.8	25.9	77.6	37.6	89.3	49.4	101.0	61.1	148.0	108.0	194.9	155.0
PLAS#250K-535-43K-115-CL-SE-F1	115	71.2	40.1	37.7	3.3	49.5	15.1	61.2	26.8	73.0	38.5	84.7	50.3	96.4	62.0	143.4	108.9	190.3	155.9
PLAS#300K-585-34K-115-CL-SE-F1	115	45.8	31.7	62.6	47.0	76.6	61.0	90.5	74.9	104.5	88.9	118.5	102.9	132.4	116.8	188.3	172.7	244.1	228.5
PLAS#300K-585-45K-115-CL-SE-F2	115	90.0	42.2	-	-	65.0	12.1	78.9	26.1	92.9	40.0	106.9	54.0	120.8	68.0	176.7	123.8	232.5	179.7
PLAS#300K-585-51K-115-CL-SE-F1	115	83.8	47.7	44.9	5.0	58.9	18.9	72.8	32.9	86.8	46.9	100.8	60.8	114.7	74.8	170.6	130.6	226.4	186.5
PLAS#350K-635-38K-115-CL-SE-F1	115	50.0	35.9	75.6	60.0	92.1	76.5	108.5	92.9	125.0	109.4	141.5	125.9	158.0	142.4	223.9	208.3	289.8	274.2
PLAS#350K-635-52K-115-CL-SE-F2	115	104.8	48.8	-	-	77.7	15.9	94.2	32.3	110.7	48.8	127.2	65.3	143.7	81.8	209.6	147.7	275.5	213.6
PLAS#350K-635-62K-115-CL-SE-F1	115	106.4	58.4	-	-	67.1	14.1	83.6	30.6	100.1	47.1	116.6	63.5	133.0	80.0	198.9	145.9	264.9	211.8
PLAS#450K-685-38K-115-CL-SE-F1	115	50.0	35.9	94.6	79.0	113.8	98.2	133.0	117.4	152.2	136.6	171.4	155.8	190.6	175.0	267.4	251.8	344.2	328.6
PLAS#400K-685-74K-115-CL-SE-F1	115	121.3	69.7	-	-	76.5	19.4	95.7	38.6	114.9	57.8	134.1	77.0	153.3	96.2	230.1	173.0	306.9	249.8
PLAS#400K-685-75K-115-CL-SE-F3	115	131.6	70.4	-	-	75.6	8.0	94.8	27.2	114.0	46.4	133.2	65.6	152.4	84.8	229.2	161.6	306.0	238.4
PLAS#400K-685-85K-115-CL-SE-F2	115	136.6	80.3	-	-	64.8	2.5	84.0	21.7	103.2	40.9	122.4	60.1	141.6	79.3	218.3	156.1	295.1	232.9
PLAS#100K-280-7K-216-CL-SE-F1	216	13.3	6.3	15.1	7.4	18.3	10.6	21.4	13.7	24.6	16.9	27.8	20.1	30.9	23.2	43.6	35.9	56.3	48.6
PLAS#100K-280-12K-216-CL-SE-F1	216	16.5	10.6	10.4	3.8	13.6	7.0	16.7	10.2	19.9	13.3	23.1	16.5	26.2	19.7	38.9	32.3	51.6	45.0
PLAS#100K-280-16K-216-CL-SE-F1	216	18.9	14.7	5.8	1.1	9.0	4.3	12.1	7.5	15.3	10.6	18.5	13.8	21.6	17.0	34.3	29.6	47.0	42.3
PLAS#100K-335-7K-216-CL-SE-F1	216	13.3	6.3	24.9	17.2	29.4	21.7	34.0	26.3	38.5	30.9	43.1	35.4	47.7	40.0	65.9	58.2	84.2	76.5
PLAS#100K-335-8K-216-CL-SE-F1	216	21.2	7.2	23.8	8.4	28.4	13.0	32.9	17.5	37.5	22.1	42.1	26.6	46.6	31.2	64.9	49.4	83.1	67.7
PLAS#100K-335-12K-216-CL-SE-F1	216	24.5	10.5	20.2	4.8	24.7	9.3	29.3	13.9	33.9	18.4	38.4	23.0	43.0	27.6	61.2	45.8	79.5	64.0
PLAS#100K-335-16K-216-CL-SE-F1	216	32.7	14.7	-	-	-	-	24.7	4.8	29.3	9.4	33.8	13.9	38.4	18.5	56.6	36.7	74.9	55.0
PLAS#100K-335-16K-216-CL-SE-F2	216	28.5	14.8	-	-	20.1	4.9	24.6	9.5	29.2	14.0	33.7	18.6	38.3	23.1	56.5	41.4	74.8	59.6
PLAS#100K-335-21K-216-CL-SE-F1	216	32.7	19.0	-	-	-	-	20.0	4.8	24.5	9.4	29.1	13.9	33.7	18.5	51.9	36.7	70.2	55.0
PLAS#150K-385-8K-216-CL-SE-F1	216	21.2	7.2	34.2	18.8	40.2	24.8	46.3	30.9	52.3	36.9	58.4	43.0	64.4	49.0	88.6	73.2	112.8	97.4
PLAS#150K-385-12K-216-CL-SE-F1	216	34.3	10.5	30.6	4.3	36.7	10.4	42.7	16.4	48.7	22.5	54.8	28.5	60.8	34.6	85.0	58.8	109.2	82.9
PLAS#150K-385-12K-216-CL-SE-F2	216	35.0	11.3	29.8	3.5	35.8	9.5	41.8	15.6	47.9	21.6	53.9	27.7	60.0	33.7	84.2	57.9	108.4	82.1
PLAS#150K-385-13K-216-CL-SE-F1	216	25.3	11.5	29.5	14.3	35.5	20.3	41.6	26.4	47.6	32.4	53.7	38.5	59.7	44.5	83.9	68.7	108.1	92.9
PLAS#150K-385-16K-216-CL-SE-F1	216	28.5	14.8	25.9	10.7	31.9	16.8	38.0	22.8	44.0	28.9	50.1	34.9	56.1	41.0	80.3	65.1	104.5	89.3
PLAS#150K-385-17K-216-CL-SE-F1	216	29.4	15.7	24.8	9.7	30.9	15.7	36.9	21.8	43.0	27.8	49.0	33.9	55.1	39.9	79.2	64.1	103.4	88.3
PLAS#150K-385-21K-216-CL-SE-F1	216	32.7	19.0	21.2	6.1	27.3	12.1	33.3	18.2	39.4	24.2	45.4	30.3	51.5	36.3	75.7	60.5	99.8	84.7

NOTES:

SST (kN)
SET (kN)

Spring starting thrust
Spring ending thrust

AST (kN)
SET (kN)

Air starting thrust
Air ending thrust

Model	Travel (mm)	Spring thrust		Operating supply pressure (barg)															
				3.5		4		4.5		5		5.5		6		8		10	
		SST	SET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET
PLAS#150K-385-21K-216-CL-SE-F3	216	43.2	19.8	-	-	-	-	32.4	6.6	38.5	12.7	44.5	18.7	50.6	24.8	74.7	48.9	98.9	73.1
PLAS#150K-385-22K-216-CL-SE-F1	216	33.7	20.0	20.1	5.0	26.2	11.0	32.2	17.1	38.3	23.1	44.3	29.1	50.4	35.2	74.5	59.4	98.7	83.6
PLAS#150K-385-29K-216-CL-SE-F1	216	39.6	27.4	-	-	17.9	4.5	24.0	10.6	30.0	16.6	36.1	22.6	42.1	28.7	66.3	52.9	90.5	77.1
PLAS#200K-435-16K-216-CL-SE-F3	216	45.1	14.5	38.0	4.2	45.8	11.9	53.5	19.7	61.2	27.4	69.0	35.1	76.7	42.9	107.7	73.8	138.6	104.8
PLAS#200K-435-16K-216-CL-SE-F1	216	41.6	14.7	37.8	8.1	45.5	15.8	53.2	23.6	61.0	31.3	68.7	39.0	76.4	46.8	107.4	77.7	138.3	108.7
PLAS#200K-435-17K-216-CL-SE-F2	216	46.1	15.5	36.9	3.1	44.7	10.8	52.4	18.6	60.1	26.3	67.9	34.0	75.6	41.8	106.6	72.7	137.5	103.7
PLAS#200K-435-21K-216-CL-SE-F1	216	45.8	19.0	33.1	3.4	40.8	11.1	48.5	18.9	56.3	26.6	64.0	34.4	71.8	42.1	102.7	73.0	133.6	104.0
PLAS#200K-435-25K-216-CL-SE-F1	216	49.8	23.2	-	-	36.2	6.7	43.9	14.5	51.7	22.2	59.4	29.9	67.1	37.7	98.1	68.6	129.0	99.6
PLAS#150K-435-27K-216-CL-SE-F1	216	58.8	25.0	-	-	-	-	41.9	4.5	49.7	12.2	57.4	20.0	65.2	27.7	96.1	58.7	127.0	89.6
PLAS#250K-485-20K-216-CL-SE-F3	216	56.6	18.0	47.4	4.7	57.0	14.4	66.6	24.0	76.3	33.6	85.9	43.3	95.5	52.9	134.1	91.4	172.6	130.0
PLAS#200K-485-21K-216-CL-SE-F2	216	58.2	19.6	45.6	3.0	55.3	12.6	64.9	22.3	74.5	31.9	84.2	41.5	93.8	51.2	132.3	89.7	170.9	128.2
PLAS#200K-485-25K-216-CL-SE-F1	216	49.8	23.2	41.7	12.3	51.4	21.9	61.0	31.5	70.6	41.2	80.3	50.8	89.9	60.4	128.4	99.0	167.0	137.5
PLAS#200K-485-34K-216-CL-SE-F1	216	71.5	31.9	-	-	-	-	51.4	7.5	61.0	17.2	70.6	26.8	80.3	36.4	118.8	75.0	157.3	113.5
PLAS#250K-535-29K-216-CL-SE-F3	216	71.0	26.7	52.6	3.6	64.3	15.3	76.1	27.0	87.8	38.8	99.5	50.5	111.3	62.3	158.2	109.2	205.1	156.1
PLAS#250K-535-30K-216-CL-SE-F2	216	71.9	27.6	51.6	2.6	63.3	14.3	75.1	26.1	86.8	37.8	98.5	49.5	110.3	61.3	157.2	108.2	204.2	155.2
PLAS#250K-535-34K-216-CL-SE-F1	216	63.0	31.7	47.1	12.4	58.8	24.1	70.5	35.8	82.3	47.6	94.0	59.3	105.7	71.0	152.7	118.0	199.6	164.9
PLAS#250K-535-40K-216-CL-SE-F1	216	100.9	37.3	-	-	-	-	-	-	76.0	5.7	87.8	17.4	99.5	29.2	146.4	76.1	193.4	123.1
PLAS#300K-585-32K-216-CL-SE-F3	216	86.3	30.0	64.4	2.3	78.4	16.3	92.4	30.2	106.3	44.2	120.3	58.1	134.2	72.1	190.1	128.0	245.9	183.8
PLAS#300K-585-33K-216-CL-SE-F2	216	87.6	31.3	-	-	77.0	14.8	90.9	28.8	104.9	42.7	118.8	56.7	132.8	70.7	188.7	126.5	244.5	182.4
PLAS#300K-585-34K-216-CL-SE-F1	216	63.0	31.7	62.6	27.9	76.6	41.9	90.6	55.9	104.5	69.8	118.5	83.8	132.5	97.8	188.3	153.6	244.2	209.5
PLAS#300K-585-49K-216-CL-SE-F1	216	102.7	46.4	-	-	-	-	74.2	12.1	88.2	26.1	102.2	40.0	116.1	54.0	172.0	109.8	227.8	165.7
PLAS#350K-635-38K-216-CL-SE-F3	216	102.3	35.5	76.0	2.1	92.5	18.6	109.0	35.1	125.5	51.6	142.0	68.0	158.4	84.5	224.3	150.4	290.3	216.3
PLAS#350K-635-38K-216-CL-SE-F1	216	62.5	36.0	75.5	46.1	92.0	62.6	108.4	79.1	124.9	95.6	141.4	112.0	157.9	128.5	223.8	194.4	289.7	260.3
PLAS#350K-635-40K-216-CL-SE-F2	216	104.8	37.9	-	-	89.8	15.9	106.3	32.4	122.8	48.9	139.3	65.3	155.7	81.8	221.7	147.7	287.6	213.6
PLAS#350K-635-60K-216-CL-SE-F1	216	122.6	56.7	-	-	-	-	85.5	12.7	102.0	29.2	118.5	45.7	135.0	62.1	200.9	128.0	266.8	194.0
PLAS#450K-685-38K-216-CL-SE-F1	216	62.5	36.0	94.5	65.2	113.7	84.4	132.9	103.6	152.1	122.8	171.3	142.0	190.5	161.2	267.3	238.0	344.1	314.8
PLAS#400K-685-49K-216-CL-SE-F2	216	118.9	46.0	83.4	2.9	102.6	22.1	121.8	41.3	141.0	60.5	160.2	79.7	179.4	98.9	256.2	175.7	333.0	252.5
PLAS#400K-685-51K-216-CL-SE-F1	216	121.2	48.3	-	-	100.1	19.6	119.3	38.8	138.5	58.0	157.7	77.2	176.9	96.4	253.7	173.2	330.5	250.0
PLAS#400K-685-64K-216-CL-SE-F3	216	136.4	60.6	-	-	86.5	2.8	105.7	22.0	124.9	41.2	144.1	60.4	163.3	79.6	240.1	156.4	316.9	233.2
PLAS#150K-385-19K-318-CL-SE-F1	318	35.2	17.4	23.0	3.3	29.0	9.3	35.1	15.4	41.1	21.4	47.2	27.5	53.2	33.5	77.4	57.7	101.6	81.9
PLAS#200K-435-23K-318-CL-SE-F1	318	39.5	21.6	30.2	10.4	37.9	18.2	45.6	25.9	53.4	33.7	61.1	41.4	68.9	49.1	99.8	80.1	130.7	111.0
PLAS#200K-485-23K-318-CL-SE-F1	318	39.5	21.6	43.5	23.7	53.1	33.4	62.7	43.0	72.4	52.6	82.0	62.3	91.6	71.9	130.2	110.4	168.7	149.0
PLAS#250K-535-32K-318-CL-SE-F1	318	50.7	29.9	49.0	26.0	60.7	37.7	72.4	49.5	84.2	61.2	95.9	72.9	107.6	84.7	154.6	131.6	201.5	178.6
PLAS#300K-585-31K-318-CL-SE-F1	318	59.1	28.9	65.6	32.3	79.6	46.3	93.6	60.3	107.5	74.2	121.5	88.2	135.5	102.2	191.3	158.0	247.2	213.9
PLAS#350K-635-35K-318-CL-SE-F1	318	63.3	33.1	78.6	45.3	95.1	61.8	111.6	78.3	128.0	94.7	144.5	111.2	161.0	127.7	226.9	193.6	292.8	259.5
PLAS#450K-685-35K-318-CL-SE-F1	318	63.3	33.1	97.7	64.4	116.9	83.6	136.1	102.8	155.3	122.0	174.5	141.2	193.7	160.4	270.4	237.2	347.2	314.0
PLAS#200K-435-18K-420-CL-SE-F1	420	51.4	16.6	-	-	43.4	4.9	51.2	12.7	58.9	20.4	66.6	28.2	74.4	35.9	105.3	66.8	136.3	97.8
PLAS#250K-485-18K-420-CL-SE-F1	420	51.4	16.6	49.0	10.5	58.6	20.1	68.2	29.8	77.9	39.4	87.5	49.0	97.1	58.7	135.7	97.2	174.2	135.7
PLAS#250K-535-29K-420-CL-SE-F1	420	54.2	26.7	52.5	22.2	64.2	33.9	76.0	45.7	87.7	57.4	99.5	69.1	111.2	80.9	158.1	127.8	205.1	174.7
PLAS#300K-585-26K-420-CL-SE-F1	420	63.9	24.1	71.0	27.1	85.0	41.0	98.9	55.0	112.9	68.9	126.9	82.9	140.8	96.9	196.7	152.7	252.5	208.6
PLAS#350K-635-33K-420-CL-SE-F1	420	58.2	30.7	81.3	51.0	97.8	67.4	114.2	83.9	130.7	100.4	147.2	116.9	163.7	133.3	229.6	199.3	295.5	265.2
PLAS#450K-685-33K-420-CL-SE-F1	420	58.2	30.7	100.3	70.0	119.5	89.2	138.7	108.4	157.9	127.6	177.1	146.8	196.3	166.0	273.1	242.8	349.9	319.6

NOTES:

SST (kN) Spring starting thrust
SET (kN) Spring ending thrust
AST (kN) Air starting thrust
SET (kN) Air ending thrust

Biffi PLAS Spring-Return Actuators - Spring Retracted - Fail Up

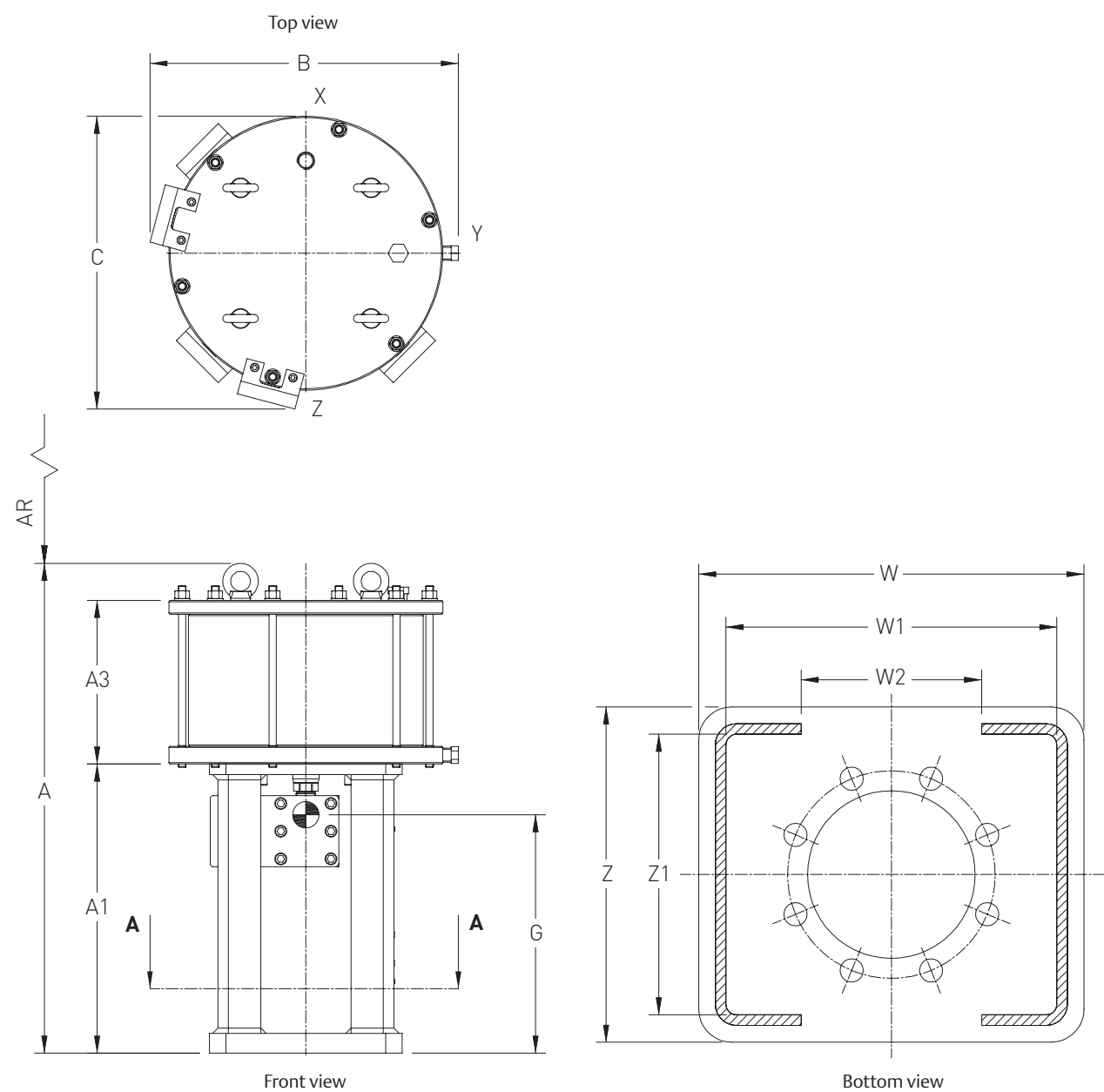
Thrust Table - Output Thrust (kN), Models PLAS#150K-385-9K-115-OP-SR-F1 to PLAS#200K-435-12K-318-OP-SR-F1

Model	Travel (mm)	Spring thrust		Operating supply pressure (barg)															
				3.5		4		4.5		5		5.5		6		8		10	
		SST	SET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET	AST	AET
PLAS#150K-385-9K-115-OP-SR-F1	115	29.9	8.3	33.5	9.6	39.6	15.8	45.7	21.9	51.8	28.0	57.9	34.1	64.0	40.2	88.5	64.7	112.9	89.1
PLAS#150K-385-9K-115-OP-SR-F2	115	26.1	8.4	33.4	13.8	39.6	19.9	45.7	26.0	51.8	32.1	57.9	38.2	64.0	44.3	88.4	68.8	112.9	93.2
PLAS#200K-435-12K-115-OP-SR-F1	115	38.4	10.6	42.7	12.1	50.5	19.9	58.3	27.7	66.1	35.5	74.0	43.3	81.8	51.1	113.0	82.3	144.2	113.5
PLAS#200K-435-12K-115-OP-SR-F2	115	32.2	10.6	42.8	19.0	50.6	26.8	58.4	34.6	66.2	42.4	74.0	50.2	81.8	58.0	113.0	89.2	144.2	120.4
PLAS#250K-485-13K-115-OP-SR-F1	115	42.9	11.4	55.1	20.4	64.8	30.1	74.5	39.8	84.2	49.5	93.9	59.2	103.6	68.9	142.4	107.7	181.2	146.5
PLAS#250K-485-13K-115-OP-SR-F2	115	39.1	11.4	55.2	24.6	64.9	34.3	74.6	44.0	84.3	53.7	94.0	63.4	103.7	73.1	142.5	111.9	181.3	150.7
PLAS#300K-535-14K-115-OP-SR-F1	115	54.5	12.7	68.4	22.2	80.2	34.0	92.0	45.8	103.8	57.6	115.6	69.4	127.4	81.3	174.6	128.5	221.8	175.7
PLAS#300K-535-14K-115-OP-SR-F2	115	44.1	12.7	68.5	33.7	80.3	45.5	92.1	57.3	103.9	69.1	115.7	80.9	127.5	92.7	174.7	139.9	221.9	187.2
PLAS#350K-585-16K-115-OP-SR-F1	115	56.4	14.6	82.6	36.4	96.7	50.5	110.8	64.6	124.9	78.7	139.0	92.8	153.1	106.9	209.6	163.4	266.0	219.8
PLAS#350K-585-16K-115-OP-SR-F2	115	60.9	14.7	82.4	31.4	96.6	45.5	110.7	59.6	124.8	73.7	138.9	87.8	153.0	101.9	209.4	158.4	265.9	214.8
PLAS#400K-635-19K-115-OP-SR-F2	115	59.3	17.5	96.9	50.8	113.6	67.4	130.2	84.0	146.8	100.6	163.4	117.3	180.1	133.9	246.6	200.4	313.1	266.9
PLAS#400K-635-19K-115-OP-SR-F1	115	67.8	17.6	96.8	41.3	113.5	58.0	130.1	74.6	146.7	91.2	163.4	107.8	180.0	124.5	246.5	191.0	313.0	257.5
PLAS#450K-685-21K-115-OP-SR-F1	115	74.9	19.0	114.3	52.6	133.7	71.9	153.0	91.3	172.4	110.6	191.7	130.0	211.1	149.3	288.5	226.7	365.8	304.1
PLAS#450K-685-21K-115-OP-SR-F2	115	69.3	19.0	114.3	58.8	133.6	78.1	153.0	97.5	172.3	116.8	191.7	136.2	211.0	155.5	288.4	232.9	365.8	310.3
PLAS#100K-335-8K-216-OP-SR-F1	216	24.5	6.7	24.9	5.2	29.5	9.9	34.2	14.5	38.8	19.1	43.4	23.7	48.0	28.4	66.6	46.9	85.1	65.4
PLAS#150K-385-9K-216-OP-SR-F1	216	32.2	8.4	33.4	7.1	39.5	13.2	45.6	19.3	51.7	25.5	57.8	31.6	63.9	37.7	88.4	62.1	112.8	86.6
PLAS#200K-435-11K-216-OP-SR-F1	216	40.3	9.7	43.8	10.0	51.6	17.8	59.4	25.6	67.3	33.4	75.1	41.2	82.9	49.0	114.1	80.2	145.3	111.4
PLAS#250K-485-11K-216-OP-SR-F1	216	48.7	10.1	56.6	13.9	66.3	23.6	76.0	33.3	85.7	43.0	95.4	52.7	105.1	62.4	143.9	101.2	182.7	140.0
PLAS#300K-535-13K-216-OP-SR-F1	216	56.3	11.9	69.3	20.3	81.1	32.1	92.9	43.9	104.7	55.7	116.5	67.5	128.3	79.3	175.5	126.5	222.8	173.7
PLAS#350K-585-16K-216-OP-SR-F1	216	70.5	14.9	82.2	20.8	96.3	34.9	110.5	49.0	124.6	63.1	138.7	77.2	152.8	91.3	209.2	147.8	265.7	204.2
PLAS#400K-635-17K-216-OP-SR-F1	216	82.9	16.0	98.6	24.7	115.2	41.3	131.9	57.9	148.5	74.6	165.1	91.2	181.7	107.8	248.2	174.3	314.7	240.8
PLAS#450K-685-21K-216-OP-SR-F1	216	92.2	19.4	113.9	33.4	133.2	52.7	152.6	72.1	171.9	91.4	191.3	110.8	210.6	130.1	288.0	207.5	365.4	284.9
PLAS#200K-435-12K-318-OP-SR-F1	318	30.7	10.5	42.9	20.6	50.7	28.4	58.5	36.2	66.3	44.0	74.1	51.8	81.9	59.6	113.1	90.8	144.3	122.0

NOTES:

SST (kN)	Spring starting thrust
SET (kN)	Spring ending thrust
AST (kN)	Air starting thrust
SET (kN)	Air ending thrust

Biffi PLA Double-Acting Actuator - Overall Dimensions



**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLA#50K-280-115-F0 to PLA#450K-685-623-F0**

Actuator model	Cylinder DN	Max travel	A3	B	C	Pneumatic port (inch)											Weight kg
						STD	OPT										
						T (top) / B (bottom)		A	G	A1	W	W1	W2	Z	Z1		
PLA#50K-280-115-F0	280	115	245	415	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	736	368	438	292	251	137	254	213	132	
PLA#100K-335-115-F0	335	115	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	742	371	438	292	251	137	254	213	163	
PLA#150K-385-115-F0	385	115	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	742	371	438	330	289	145	330	289	210	
PLA#200K-435-115-F0	435	115	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	742	371	438	330	289	145	330	289	243	
PLA#250K-485-115-F0	485	115	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	790	395	438	330	289	145	330	289	332	
PLA#300K-535-115-F0	535	115	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	792	396	438	330	289	145	330	289	388	
PLA#350K-585-115-F0*	585	115	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	833	417	461	436	390	251	487	441	519	
PLA#400K-635-115-F0*	635	115	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	833	417	461	436	390	251	487	441	596	
PLA#450K-685-115-F0*	685	115	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	868	434	486	436	390	251	487	441	697	
PLA#50K-280-216-F0	280	216	346	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	923	462	524	292	251	137	254	213	143	
PLA#100K-335-216-F0	335	216	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	929	465	524	292	251	137	254	213	176	
PLA#150K-385-216-F0	385	216	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	929	465	524	330	289	145	330	289	227	
PLA#200K-435-216-F0	435	216	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	929	465	524	330	289	145	330	289	262	
PLA#250K-485-216-F0	485	216	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	977	489	524	330	289	145	330	289	353	
PLA#300K-535-216-F0	535	216	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	979	490	524	330	289	145	330	289	411	
PLA#350K-585-216-F0*	585	216	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1020	510	547	436	390	251	487	441	547	
PLA#400K-635-216-F0*	635	216	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1020	510	547	436	390	251	487	441	630	
PLA#450K-685-216-F0*	685	216	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1055	528	572	436	390	251	487	441	733	
PLA#50K-280-318-F0	280	318	448	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1165	583	664	292	251	137	254	213	157	
PLA#100K-335-318-F0	335	318	451	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1171	586	664	292	251	137	254	213	192	
PLA#150K-385-318-F0	385	318	451	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1171	586	664	330	289	145	330	289	246	
PLA#200K-435-318-F0	435	318	451	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1171	586	664	330	289	145	330	289	283	
PLA#250K-485-318-F0	485	318	479	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1219	610	664	330	289	145	330	289	377	
PLA#300K-535-318-F0	535	318	481	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1221	611	664	330	289	145	330	289	437	
PLA#350K-585-318-F0*	585	318	499	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1262	631	687	436	390	251	487	441	578	
PLA#400K-635-318-F0*	635	318	499	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1262	631	687	436	390	251	487	441	668	
PLA#450K-685-318-F0*	685	318	509	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1297	649	712	436	390	251	487	441	772	
PLA#50K-280-420-F0	280	420	550	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1369	685	766	292	251	137	254	213	169	
PLA#100K-335-420-F0	335	420	553	467	444	3/4 (T) - 3/4 (B)	1(T) - 3/4 (B)	1375	688	766	292	251	137	254	213	207	
PLA#150K-385-420-F0	385	420	553	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1375	688	766	330	289	145	330	289	263	
PLA#200K-435-420-F0	435	420	553	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1375	688	766	330	289	145	330	289	303	
PLA#250K-485-420-F0	485	420	581	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1423	712	766	330	289	145	330	289	399	
PLA#300K-535-420-F0	535	420	583	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1425	713	766	330	289	145	330	289	461	
PLA#350K-585-420-F0*	585	420	601	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1466	733	789	436	390	251	487	441	608	
PLA#400K-635-420-F0*	635	420	601	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1466	733	789	436	390	251	487	441	704	
PLA#450K-685-420-F0*	685	420	611	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1501	751	814	436	390	251	487	441	809	
PLA#50K-280-521-F0	280	521	651	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1571	786	867	292	251	137	254	213	182	
PLA#100K-335-521-F0	335	521	654	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1577	789	867	292	251	137	254	213	222	
PLA#150K-385-521-F0	385	521	654	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1577	789	867	330	289	145	330	289	281	
PLA#200K-435-521-F0	435	521	654	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1577	789	867	330	289	145	330	289	323	
PLA#250K-485-521-F0	485	521	682	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1625	813	867	330	289	145	330	289	421	
PLA#300K-535-521-F0	535	521	684	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1627	814	867	330	289	145	330	289	486	
PLA#350K-585-521-F0*	585	521	702	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1668	834	890	436	390	251	487	441	637	
PLA#400K-635-521-F0*	635	521	702	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1668	834	890	436	390	251	487	441	739	
PLA#450K-685-521-F0*	685	521	712	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1703	852	915	436	390	251	487	441	850	
PLA#50K-280-623-F0	280	623	753	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1775	888	969	292	251	137	254	213	194	
PLA#100K-335-623-F0	335	623	756	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1781	891	969	292	251	137	254	213	236	
PLA#150K-385-623-F0	385	623	756	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1781	891	969	330	289	145	330	289	298	
PLA#200K-435-623-F0	435	623	756	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1781	891	969	330	289	145	330	289	342	
PLA#250K-485-623-F0	485	623	784	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1829	915	969	330	289	145	330	289	442	
PLA#300K-535-623-F0	535	623	786	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1831	916	969	330	289	145	330	289	510	
PLA#350K-585-623-F0*	585	623	804	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1872	936	992	436	390	251	487	441	666	
PLA#400K-635-623-F0*	635	623	804	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1872	936	992	436	390	251	487	441	774	
PLA#450K-685-623-F0*	685	623	814	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1907	954	1017	436	390	251	487	441	887	

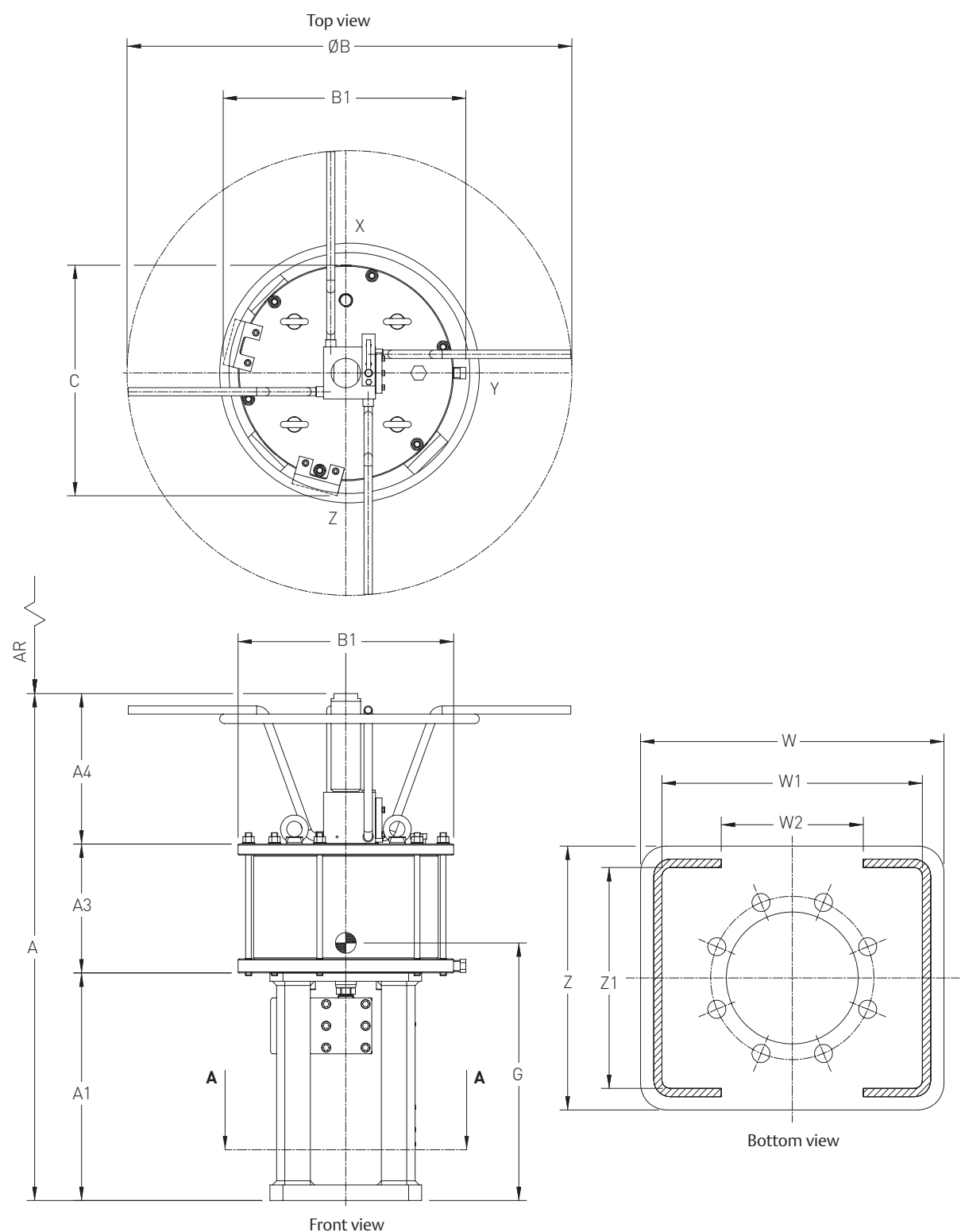
NOTES:

* Available with 5H type only

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLA#150K-385-115-F0	774	115	387	470	330	289	145	330	289	212
PLA#200K-435-115-F0	774	115	387	470	330	289	145	330	289	245
PLA#250K-485-115-F0	822	115	411	470	330	289	145	330	289	334
PLA#300K-535-115-F0	824	115	412	470	330	289	145	330	289	390
PLA#350K-585-115-F0	862	115	431	490	436	390	251	487	441	522
PLA#400K-635-115-F0	862	115	431	490	436	390	251	487	441	599
PLA#450K-685-115-F0	897	115	449	515	436	390	251	487	441	704
PLA#150K-385-216-F0	1005	216	503	600	330	289	145	330	289	231
PLA#200K-435-216-F0	1005	216	503	600	330	289	145	330	289	266
PLA#250K-485-216-F0	1053	216	527	600	330	289	145	330	289	357
PLA#300K-535-216-F0	1055	216	528	600	330	289	145	330	289	415
PLA#350K-585-216-F0	1093	216	547	620	436	390	251	487	441	553
PLA#400K-635-216-F0	1093	216	547	620	436	390	251	487	441	636
PLA#450K-685-216-F0	1128	216	564	645	436	390	251	487	441	742
PLA#150K-385-318-F0	1171	318	586	664	330	289	145	330	289	247
PLA#200K-435-318-F0	1171	318	586	664	330	289	145	330	289	284
PLA#250K-485-318-F0	1219	318	610	664	330	289	145	330	289	378
PLA#300K-535-318-F0	1221	318	611	664	330	289	145	330	289	438
PLA#350K-585-318-F0	1259	318	630	684	436	390	251	487	441	579
PLA#400K-635-318-F0	1259	318	630	684	436	390	251	487	441	669
PLA#450K-685-318-F0	1294	318	647	709	436	390	251	487	441	777
PLA#150K-385-420-F0	1375	420	688	766	330	289	145	330	289	263
PLA#200K-435-420-F0	1375	420	688	766	330	289	145	330	289	303
PLA#250K-485-420-F0	1423	420	712	766	330	289	145	330	289	399
PLA#300K-535-420-F0	1425	420	713	766	330	289	145	330	289	461
PLA#350K-585-420-F0	1462	420	731	785	436	390	251	487	441	608
PLA#400K-635-420-F0	1462	420	731	785	436	390	251	487	441	704
PLA#450K-685-420-F0	1497	420	749	810	436	390	251	487	441	813
PLA#150K-385-521-F0	1577	521	789	867	330	289	145	330	289	281
PLA#200K-435-521-F0	1577	521	789	867	330	289	145	330	289	323
PLA#250K-485-521-F0	1625	521	813	867	330	289	145	330	289	421
PLA#300K-535-521-F0	1627	521	814	867	330	289	145	330	289	486
PLA#350K-585-521-F0	1665	521	833	887	436	390	251	487	441	638
PLA#400K-635-521-F0	1665	521	833	887	436	390	251	487	441	740
PLA#450K-685-521-F0	1700	521	850	912	436	390	251	487	441	851
PLA#150K-385-623-F0	1781	623	891	969	330	289	145	330	289	298
PLA#200K-435-623-F0	1781	623	891	969	330	289	145	330	289	342
PLA#250K-485-623-F0	1829	623	915	969	330	289	145	330	289	442
PLA#300K-535-623-F0	1831	623	916	969	330	289	145	330	289	510
PLA#350K-585-623-F0	1869	623	935	989	436	390	251	487	441	667
PLA#400K-635-623-F0	1869	623	935	989	436	390	251	487	441	775
PLA#450K-685-623-F0	1904	623	952	1014	436	390	251	487	441	888

Biffi PLA Double-Acting Actuator - Overall Dimensions with Manual Handwheel (MHW)



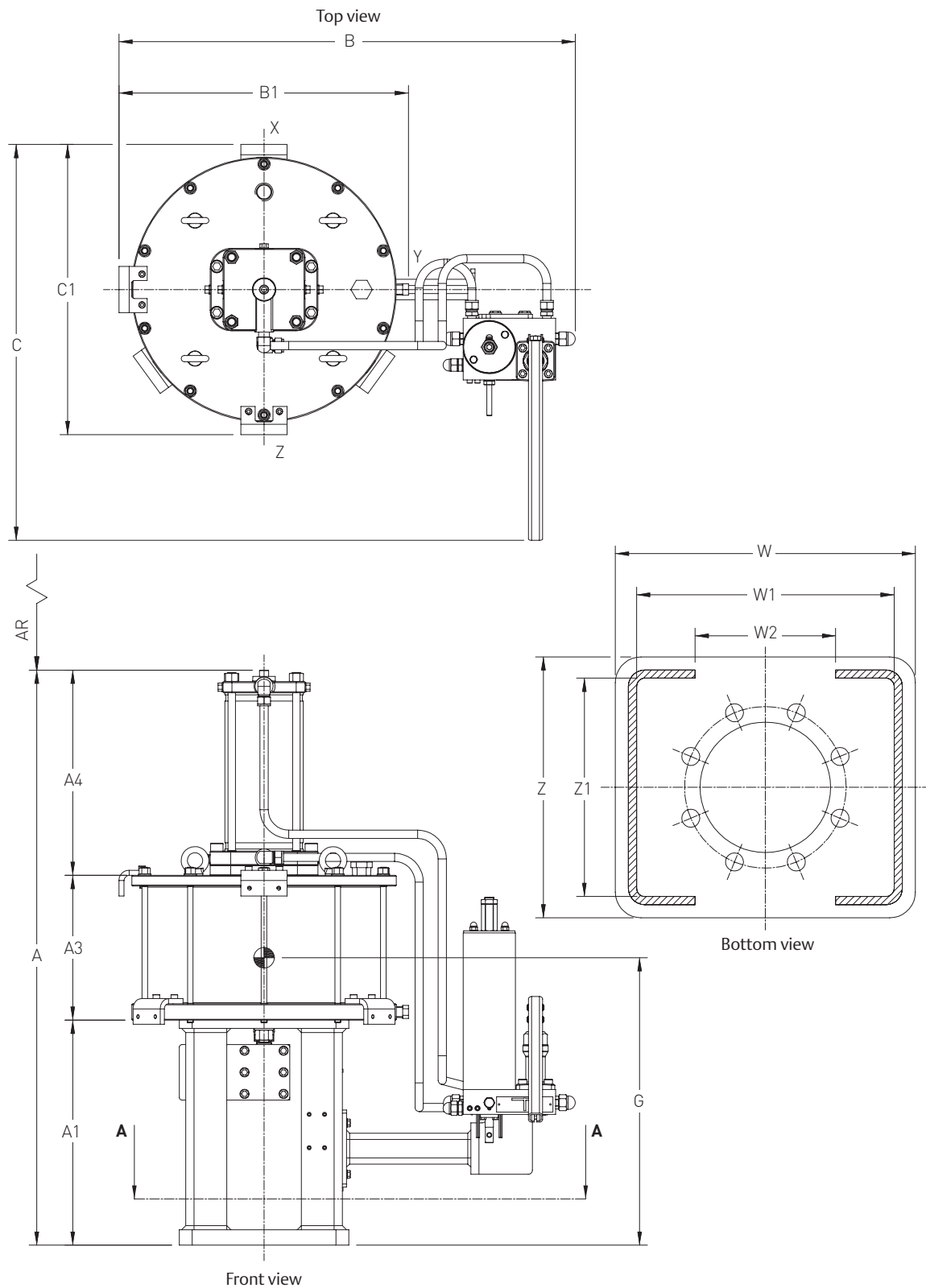
Dimensions (mm) with Type 5 or 5H Valve Mounting Kit

Actuator model	Cylinder DN	Max travel	ØB/ A3 A4 B B1 C C1						Pneumatic port (inch)												Weight kg
									STD	OPT											
									T (top) / B (bottom)								A	G	A1	W	
PLA80-115-F0-MHW	280	115	282	290	850	415	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1010	505	438	292	250	136	254	212	148		
PLA#100K-335-115-F0-MHW	335	115	285	290	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1013	506	438	292	250	136	254	212	181		
PLA#150K-385-115-F0-MHW	385	115	285	290	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1013	506	438	330	289	145	330	289	229		
PLA#50K-280-216-F0-MHW	280	216	383	391	850	410	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1298	649	524	292	250	136	254	212	161		
PLA#100K-335-216-F0-MHW	335	216	386	391	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1301	650	524	292	250	136	254	212	197		
PLA#150K-385-216-F0-MHW	385	216	386	391	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1301	650	524	330	289	145	330	289	248		
PLA#50K-280-318-F0-MHW	280	318	485	492	850	410	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1641	820	664	292	250	136	254	212	178		
PLA#100K-335-318-F0-MHW	335	318	488	492	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1644	822	664	292	250	136	254	212	218		
PLA#150K-385-318-F0-MHW	385	318	488	492	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1644	822	664	330	289	145	330	289	270		
PLA#50K-280-420-F0-MHW	280	420	587	593	850	410	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1946	973	766	292	250	136	254	212	192		
PLA#100K-335-420-F0-MHW	335	420	590	593	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1949	974	766	292	250	136	254	212	237		
PLA#150K-385-420-F0-MHW	385	420	590	593	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1949	974	766	330	289	145	330	289	290		
PLA#50K-280-521-F0-MHW	280	521	688	694	850	410	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	2249	1124	867	292	250	136	254	212	207		
PLA#100K-335-521-F0-MHW	335	521	691	694	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	2252	1126	867	292	250	136	254	212	256		
PLA#150K-385-521-F0-MHW	385	521	691	694	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2252	1126	867	330	289	145	330	289	310		
PLA#50K-280-623-F0-MHW	280	623	790	795	850	410	390	397	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	2554	1277	969	292	250	136	254	212	222		
PLA#100K-335-623-F0-MHW	335	623	793	795	1250	467	444	431	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	2557	1278	969	292	250	136	254	212	275		
PLA#150K-385-623-F0-MHW	385	623	793	795	1400	514	490	497	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2557	1278	969	330	289	145	330	289	329		

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLA385-115-F0-MHW	1045	115	522.5	470	330	289	145	330	289	231
PLA#150K-385-216-F0-MHW	1377	216	688.5	600	330	289	145	330	289	252
PLA#150K-385-318-F0-MHW	1644	318	822.0	664	330	289	145	330	289	271
PLA#150K-385-420-F0-MHW	1949	420	974.5	766	330	289	145	330	289	290
PLA#150K-385-521-F0-MHW	2252	521	1126.0	867	330	289	145	330	289	310
PLA#150K-385-623-F0-MHW	2557	623	1278.5	969	330	289	145	330	289	329

Biffi PLA Double-Acting Actuator - Overall Dimensions with Hydraulic Manual Override (MHP)



**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLA#200K-435-115-F0-MHP to PLA#450K-685-623-F0-MHP**

Actuator model	Cylinder Max ØB/								Pneumatic port (inch)		Weight									
									STD	OPT										
	DN	travel	A3	A4	B	B1	C	C1	T (top) / B (bottom)	A	G	A1	W	W1	W2	Z	Z1	kg		
PLA#200K-435-115-F0-MHP	435	115	282	334	890	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1054	527	438	330	289	145	330	289	315	
PLA#250K-485-115-F0-MHP	485	115	313	340	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1091	545	438	330	289	145	330	289	427	
PLA#300K-535-115-F0-MHP	535	115	317	340	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1095	547	438	330	289	145	330	289	483	
PLA#350K-585-115-F0-MHP*	585	115	348	363	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1172	586	461	436	390	251	487	441	625	
PLA#400K-635-115-F0-MHP*	635	115	349	363	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1173	586	461	436	390	251	487	441	702	
PLA#450K-685-115-F0-MHP*	685	115	373	353	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1212	606	486	436	390	251	487	441	849	
PLA#200K-435-216-F0-MHP	435	216	383	435	885	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1342	671	524	330	289	145	330	289	339	
PLA#250K-485-216-F0-MHP	485	216	414	441	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1379	689	524	330	289	145	330	289	455	
PLA#300K-535-216-F0-MHP	535	216	418	441	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1383	691	524	330	289	145	330	289	513	
PLA#350K-585-216-F0-MHP*	585	216	449	464	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1460	730	547	436	390	251	487	441	662	
PLA#400K-635-216-F0-MHP*	635	216	450	465	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1462	731	547	436	390	251	487	441	746	
PLA#450K-685-216-F0-MHP*	685	216	474	454	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1500	750	572	436	390	251	487	441	896	
PLA#200K-435-318-F0-MHP	435	318	485	536	885	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1685	842	664	330	289	145	330	289	365	
PLA#250K-485-318-F0-MHP	485	318	516	542	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1722	861	664	330	289	145	330	289	485	
PLA#300K-535-318-F0-MHP	535	318	520	542	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1726	863	664	330	289	145	330	289	546	
PLA#350K-585-318-F0-MHP*	585	318	551	565	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1803	901	687	436	390	251	487	441	704	
PLA#400K-635-318-F0-MHP*	635	318	552	466	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1705	852	687	436	390	251	487	441	793	
PLA#450K-685-318-F0-MHP*	685	318	576	555	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1843	921	712	436	390	251	487	441	946	
PLA#200K-435-420-F0-MHP	435	420	587	637	885	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1990	995	766	330	289	145	330	289	390	
PLA#250K-485-420-F0-MHP	485	420	618	643	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2027	1013	766	330	289	145	330	289	514	
PLA#300K-535-420-F0-MHP	535	420	622	643	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2031	1015	766	330	289	145	330	289	577	
PLA#350K-585-420-F0-MHP*	585	420	653	666	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2108	1054	789	436	390	251	487	441	743	
PLA#400K-635-420-F0-MHP*	635	420	654	467	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1910	955	789	436	390	251	487	441	838	
PLA#450K-685-420-F0-MHP*	685	420	678	656	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2148	1074	814	436	390	251	487	441	993	
PLA#200K-435-521-F0-MHP	435	521	688	738	885	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2293	1146	867	330	289	145	330	289	415	
PLA#250K-485-521-F0-MHP	485	521	719	744	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2330	1165	867	330	289	145	330	289	543	
PLA#300K-535-521-F0-MHP	535	521	723	744	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2334	1167	867	330	289	145	330	289	608	
PLA#350K-585-521-F0-MHP*	585	521	754	767	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2411	1205	890	436	390	251	487	441	781	
PLA#400K-635-521-F0-MHP*	635	521	755	468	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2113	1056	890	436	390	251	487	441	883	
PLA#450K-685-521-F0-MHP*	685	521	779	757	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2451	1225	915	436	390	251	487	441	1045	
PLA#200K-435-623-F0-MHP	435	623	790	839	885	565	745	571	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2598	1299	969	330	289	145	330	289	439	
PLA#250K-485-623-F0-MHP	485	623	821	845	950	630	889	612	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2635	1317	969	330	289	145	330	289	571	
PLA#300K-535-623-F0-MHP	535	623	825	845	1000	680	917	699	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2639	1319	969	330	289	145	330	289	639	
PLA#350K-585-623-F0-MHP*	585	623	856	868	1050	730	982	750	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2716	1358	992	436	390	251	487	441	819	
PLA#400K-635-623-F0-MHP*	635	623	857	469	1105	785	1007	799	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2318	1159	992	436	390	251	487	441	927	
PLA#450K-685-623-F0-MHP*	685	623	881	858	1155	835	1034	854	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2756	1378	1017	436	390	251	487	441	1092	

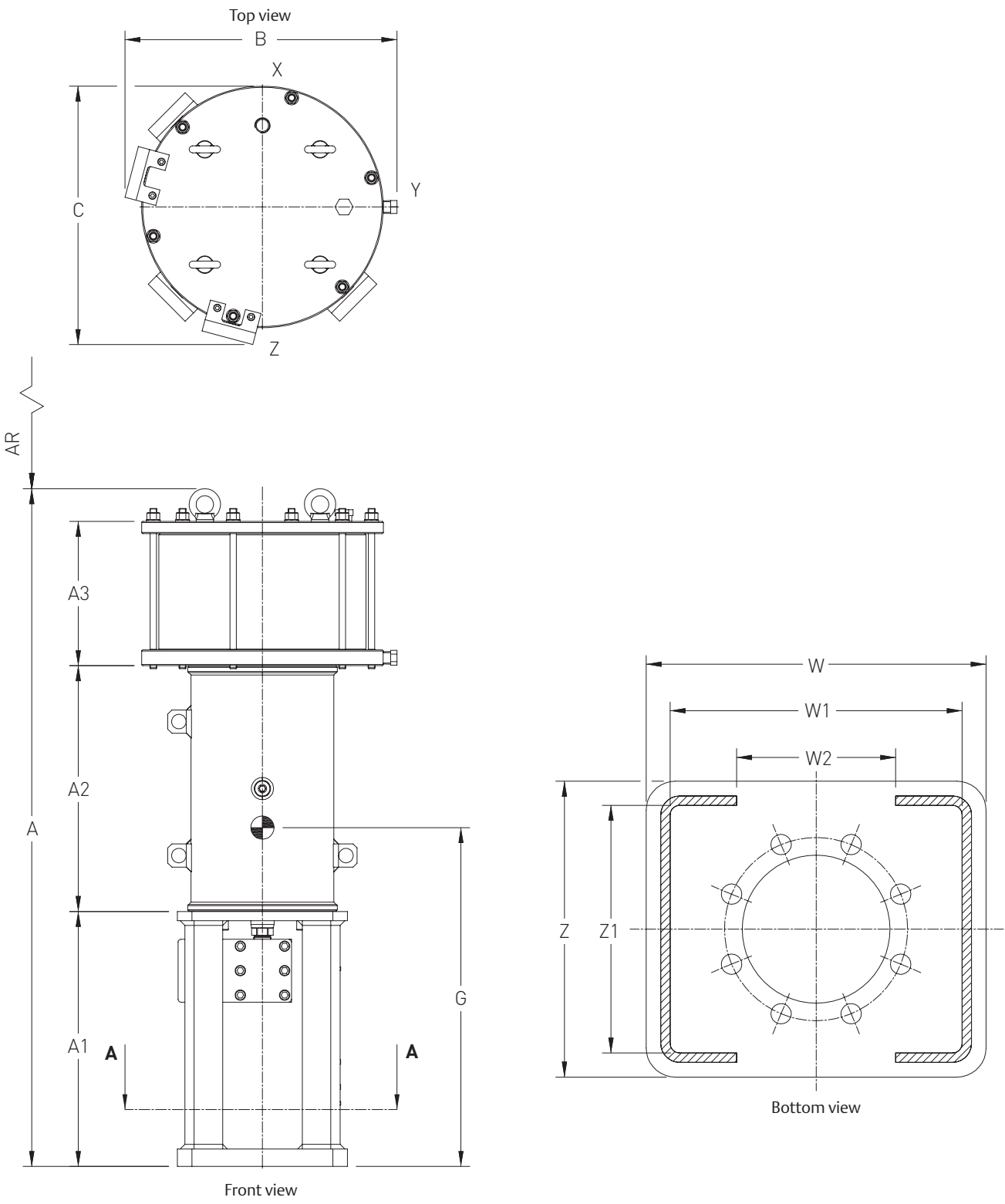
NOTES:

* Available with 5H type only

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLA#200K-435-115-F0-MHP	1086	115	543.0	470	330	289.0	145.0	330	289.0	317.87
PLA#250K-485-115-F0-MHP	1123	115	561.5	470	330	289.0	145.0	330	289.0	429.77
PLA#300K-535-115-F0-MHP	1127	115	563.5	470	330	289.0	145.0	330	289.0	485.27
PLA#350K-585-115-F0-MHP	1201	115	600.5	490	436	390.4	251.4	487	441.2	628.57
PLA#400K-635-115-F0-MHP	1202	115	601.0	490	436	390.4	251.4	487	441.2	705.57
PLA#450K-685-115-F0-MHP	1241	115	620.5	515	436	390.4	251.4	487	441.2	856.77
PLA#200K-435-216-F0-MHP	1418	216	709.0	600	330	289.0	145.0	330	289.0	343.77
PLA#250K-485-216-F0-MHP	1455	216	727.5	600	330	289.0	145.0	330	289.0	459.77
PLA#300K-535-216-F0-MHP	1459	216	729.5	600	330	289.0	145.0	330	289.0	517.67
PLA#350K-585-216-F0-MHP	1533	216	766.5	620	436	390.4	251.4	487	441.2	668.87
PLA#400K-635-216-F0-MHP	1535	216	767.5	620	436	390.4	251.4	487	441.2	752.07
PLA#450K-685-216-F0-MHP	1573	216	786.5	645	436	390.4	251.4	487	441.2	905.87
PLA#200K-435-318-F0-MHP	1685	318	842.5	664	330	289.0	145.0	330	289.0	366.77
PLA#250K-485-318-F0-MHP	1722	318	861.0	664	330	289.0	145.0	330	289.0	486.87
PLA#300K-535-318-F0-MHP	1726	318	863.0	664	330	289.0	145.0	330	289.0	547.17
PLA#350K-585-318-F0-MHP	1800	318	900.0	684	436	390.4	251.4	487	441.2	705.17
PLA#400K-635-318-F0-MHP	1702	318	851.0	684	436	390.4	251.4	487	441.2	794.57
PLA#450K-685-318-F0-MHP	1840	318	920.0	709	436	390.4	251.4	487	441.2	950.97
PLA#200K-435-420-F0-MHP	1990	420	995.0	766	330	289.0	145.0	330	289.0	390.67
PLA#250K-485-420-F0-MHP	2027	420	1013.5	766	330	289.0	145.0	330	289.0	514.87
PLA#300K-535-420-F0-MHP	2031	420	1015.5	766	330	289.0	145.0	330	289.0	577.57
PLA#350K-585-420-F0-MHP	2104	420	1052.0	785	436	390.4	251.4	487	441.2	743.37
PLA#400K-635-420-F0-MHP	1906	420	953.0	785	436	390.4	251.4	487	441.2	838.97
PLA#450K-685-420-F0-MHP	2144	420	1072.0	810	436	390.4	251.4	487	441.2	997.97
PLA#200K-435-521-F0-MHP	2293	521	1146.5	867	330	289.0	145.0	330	289.0	415.57
PLA#250K-485-521-F0-MHP	2330	521	1165.0	867	330	289.0	145.0	330	289.0	543.87
PLA#300K-535-521-F0-MHP	2334	521	1167.0	867	330	289.0	145.0	330	289.0	608.97
PLA#350K-585-521-F0-MHP	2408	521	1204.0	887	436	390.4	251.4	487	441.2	782.67
PLA#400K-635-521-F0-MHP	2110	521	1055.0	887	436	390.4	251.4	487	441.2	884.47
PLA#450K-685-521-F0-MHP	2448	521	1224.0	912	436	390.4	251.4	487	441.2	1046.07
PLA#200K-435-623-F0-MHP	2598	623	1299.0	969	330	289.0	145.0	330	289.0	439.47
PLA#250K-485-623-F0-MHP	2635	623	1317.5	969	330	289.0	145.0	330	289.0	571.87
PLA#300K-535-623-F0-MHP	2639	623	1319.5	969	330	289.0	145.0	330	289.0	639.37
PLA#350K-585-623-F0-MHP	2713	623	1356.5	989	436	390.4	251.4	487	441.2	820.97
PLA#400K-635-623-F0-MHP	2315	623	1157.5	989	436	390.4	251.4	487	441.2	928.97
PLA#450K-685-623-F0-MHP	2753	623	1376.5	1014	436	390.4	251.4	487	441.2	1093.17

Biffi PLAS Spring-Return Actuators - Dimensions - Spring Extended - Fail Down



**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#100K-280-7K-115-CL-SE-F1 to PLAS#450K-685-33K-420-CL-SE-F1**

Actuator model	Cylinder DN	Max travel	A2	A3	B	C	Pneumatic port (inch)												Weight kg
							STD	OPT											
							T (top) / B (bottom)	A	G	A1	W	W1	W2	Z	Z1				
PLAS#100K-280-7K-115-CL-SE-F1	280	115	788	245	415	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1524	762	438	292	251	137	254	213	200		
PLAS#100K-280-12K-115-CL-SE-F1	280	115	610	245	415	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1346	673	438	292	251	137	254	213	201		
PLAS#100K-280-16K-115-CL-SE-F1	280	115	499	245	415	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1235	618	438	292	251	137	254	213	206		
PLAS#100K-335-7K-115-CL-SE-F1	335	115	516	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1258	629	438	292	251	137	254	213	222		
PLAS#100K-335-12K-115-CL-SE-F1	335	115	495	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1237	619	438	292	251	137	254	213	226		
PLAS#100K-335-13K-115-CL-SE-F2	335	115	511	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1253	627	438	292	251	137	254	213	240		
PLAS#100K-335-16K-115-CL-SE-F1	335	115	619	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1361	681	438	292	251	137	254	213	291		
PLAS#100K-335-16K-115-CL-SE-F2	335	115	629	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1371	686	438	292	251	137	254	213	282		
PLAS#100K-335-21K-115-CL-SE-F1	335	115	561	248	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1303	652	438	292	251	137	254	213	279		
PLAS#150K-385-16K-115-CL-SE-F1	385	115	629	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1371	686	438	330	289	145	330	289	330		
PLAS#150K-385-16K-115-CL-SE-F2	385	115	608	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1350	675	438	330	289	145	330	289	372		
PLAS#150K-385-21K-115-CL-SE-F1	385	115	609	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1351	676	438	330	289	145	330	289	377		
PLAS#150K-385-21K-115-CL-SE-F2	385	115	561	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1303	652	438	330	289	145	330	289	326		
PLAS#150K-385-25K-115-CL-SE-F1	385	115	638	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1380	690	438	330	289	145	330	289	333		
PLAS#200K-435-16K-115-CL-SE-F1	435	115	629	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1371	686	438	330	289	145	330	289	363		
PLAS#200K-435-21K-115-CL-SE-F1	435	115	561	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1303	652	438	330	289	145	330	289	359		
PLAS#200K-435-22K-115-CL-SE-F2	435	115	521	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1263	632	438	330	289	145	330	289	409		
PLAS#200K-435-25K-115-CL-SE-F1	435	115	638	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1380	690	438	330	289	145	330	289	366		
PLAS#150K-435-27K-115-CL-SE-F1	435	115	526	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1268	634	438	330	289	145	330	289	397		
PLAS#200K-485-25K-115-CL-SE-F1	485	115	638	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1428	714	438	330	289	145	330	289	456		
PLAS#200K-485-30K-115-CL-SE-F2	485	115	497	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1287	644	438	330	289	145	330	289	492		
PLAS#200K-485-33K-115-CL-SE-F1	485	115	521	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1311	656	438	330	289	145	330	289	496		
PLAS#250K-535-34K-115-CL-SE-F1	535	115	771	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1563	782	438	330	289	145	330	289	615		
PLAS#250K-535-38K-115-CL-SE-F2	535	115	606	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1398	699	438	330	289	145	330	289	620		
PLAS#250K-535-43K-115-CL-SE-F1	535	115	502	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1294	647	438	330	289	145	330	289	557		
PLAS#300K-585-34K-115-CL-SE-F1*	585	115	780	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1613	807	461	436	390	251	487	441	762		
PLAS#300K-585-45K-115-CL-SE-F2*	585	115	474	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1307	654	461	436	390	251	487	441	781		
PLAS#300K-585-51K-115-CL-SE-F1*	585	115	602	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1435	718	461	436	390	251	487	441	766		
PLAS#350K-635-38K-115-CL-SE-F1*	635	115	746	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1579	790	461	436	390	251	487	441	835		
PLAS#350K-635-52K-115-CL-SE-F2*	635	115	640	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1473	737	461	436	390	251	487	441	950		
PLAS#350K-635-62K-115-CL-SE-F1*	635	115	559	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1392	696	461	436	390	251	487	441	914		
PLAS#450K-685-38K-115-CL-SE-F1*	685	115	746	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1614	807	486	436	390	251	487	441	937		
PLAS#400K-685-74K-115-CL-SE-F1*	685	115	608	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1476	738	486	436	390	251	487	441	1047		
PLAS#400K-685-75K-115-CL-SE-F3*	685	115	765	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1633	817	486	436	390	251	487	441	1188		
PLAS#400K-685-85K-115-CL-SE-F2*	685	115	580	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1448	724	486	436	390	251	487	441	1042		
PLAS#100K-280-7K-216-CL-SE-F1	280	216	741	346	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1664	832	524	292	251	137	254	213	218		
PLAS#100K-280-12K-216-CL-SE-F1	280	216	923	346	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1846	923	524	292	251	137	254	213	246		
PLAS#100K-280-16K-216-CL-SE-F1	280	216	1025	346	410	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1948	974	524	292	251	137	254	213	266		
PLAS#100K-335-7K-216-CL-SE-F1	335	216	741	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1670	835	524	292	251	137	254	213	251		
PLAS#100K-335-8K-216-CL-SE-F1	335	216	747	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1676	838	524	292	251	137	254	213	302		
PLAS#100K-335-12K-216-CL-SE-F1	335	216	696	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1625	813	524	292	251	137	254	213	299		
PLAS#100K-335-16K-216-CL-SE-F1	335	216	671	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1600	800	524	292	251	137	254	213	307		
PLAS#100K-335-16K-216-CL-SE-F2	335	216	771	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1700	850	524	292	251	137	254	213	306		
PLAS#100K-335-21K-216-CL-SE-F1	335	216	705	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1634	817	524	292	251	137	254	213	303		
PLAS#150K-385-8K-216-CL-SE-F1	385	216	747	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1676	838	524	330	289	145	330	289	352		
PLAS#150K-385-12K-216-CL-SE-F1	385	216	568	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1497	749	524	330	289	145	330	289	366		
PLAS#150K-385-12K-216-CL-SE-F2	385	216	561	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1490	745	524	330	289	145	330	289	365		
PLAS#150K-385-13K-216-CL-SE-F1	385	216	680	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1609	805	524	330	289	145	330	289	349		
PLAS#150K-385-16K-216-CL-SE-F1	385	216	771	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1700	850	524	330	289	145	330	289	357		
PLAS#150K-385-17K-216-CL-SE-F1	385	216	756	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1685	843	524	330	289	145	330	289	356		
PLAS#150K-385-21K-216-CL-SE-F1	385	216	705	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1634	817	524	330	289	145	330	289	354		
PLAS#150K-385-21K-216-CL-SE-F3	385	216	675	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1604	802	524	330	289	145	330	289	379		
PLAS#150K-385-22K-216-CL-SE-F1	385	216	689	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1618	809	524	330	289	145	330	289	353		
PLAS#150K-385-29K-216-CL-SE-F1	385	216	929	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1858	929	524	330	289	145	330	289	414		

NOTES:

* Available with 5H type only

Actuator model	Cylinder Max						Pneumatic port (inch)		Weight									
							STD	OPT										
	DN	travel	A2	A3	B	C	T (top) /	B (bottom)										
PLAS#200K-435-16K-216-CL-SE-F3	435	216	739	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1668	834	524	330	289	145	330	289	480	
PLAS#200K-435-16K-216-CL-SE-F1	435	216	664	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1593	797	524	330	289	145	330	289	444	
PLAS#200K-435-17K-216-CL-SE-F2	435	216	732	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1661	831	524	330	289	145	330	289	479	
PLAS#200K-435-21K-216-CL-SE-F1	435	216	646	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1575	788	524	330	289	145	330	289	443	
PLAS#200K-435-25K-216-CL-SE-F1	435	216	840	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1769	885	524	330	289	145	330	289	498	
PLAS#150K-435-27K-216-CL-SE-F1	435	216	680	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1609	805	524	330	289	145	330	289	478	
PLAS#250K-485-20K-216-CL-SE-F3	485	216	720	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1697	849	524	330	289	145	330	289	588	
PLAS#200K-485-21K-216-CL-SE-F2	485	216	710	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1687	844	524	330	289	145	330	289	587	
PLAS#200K-485-25K-216-CL-SE-F1	485	216	840	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1817	909	524	330	289	145	330	289	562	
PLAS#200K-485-34K-216-CL-SE-F1	485	216	665	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1642	821	524	330	289	145	330	289	579	
PLAS#250K-535-29K-216-CL-SE-F3	535	216	793	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1772	886	524	330	289	145	330	289	679	
PLAS#250K-535-30K-216-CL-SE-F2	535	216	793	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1772	886	524	330	289	145	330	289	679	
PLAS#250K-535-34K-216-CL-SE-F1	535	216	791	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1770	885	524	330	289	145	330	289	656	
PLAS#250K-535-40K-216-CL-SE-F1	535	216	765	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1744	872	524	330	289	145	330	289	667	
PLAS#300K-585-32K-216-CL-SE-F3*	585	216	762	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1782	891	547	436	390	251	487	441	897	
PLAS#300K-585-33K-216-CL-SE-F2*	585	216	757	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1777	889	547	436	390	251	487	441	897	
PLAS#300K-585-34K-216-CL-SE-F1*	585	216	800	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1820	910	547	436	390	251	487	441	809	
PLAS#300K-585-49K-216-CL-SE-F1*	585	216	699	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1719	860	547	436	390	251	487	441	889	
PLAS#350K-635-38K-216-CL-SE-F3*	635	216	722	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1742	871	547	436	390	251	487	441	1032	
PLAS#350K-635-38K-216-CL-SE-F1*	635	216	777	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1797	899	547	436	390	251	487	441	960	
PLAS#350K-635-40K-216-CL-SE-F2*	635	216	712	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1732	866	547	436	390	251	487	441	1031	
PLAS#350K-635-60K-216-CL-SE-F1*	635	216	810	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1830	915	547	436	390	251	487	441	1096	
PLAS#450K-685-38K-216-CL-SE-F1*	685	216	777	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1832	916	572	436	390	251	487	441	1064	
PLAS#400K-685-49K-216-CL-SE-F2*	685	216	715	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1770	885	572	436	390	251	487	441	1141	
PLAS#400K-685-51K-216-CL-SE-F1*	685	216	705	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1760	880	572	436	390	251	487	441	1140	
PLAS#400K-685-64K-216-CL-SE-F3*	685	216	785	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1840	920	572	436	390	251	487	441	1194	
PLAS#150K-385-19K-318-CL-SE-F1	385	318	1108	451	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2279	1140	664	330	289	145	330	289	456	
PLAS#200K-435-23K-318-CL-SE-F1	435	318	1033	451	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2204	1102	664	330	289	145	330	289	484	
PLAS#200K-485-23K-318-CL-SE-F1	485	318	1033	479	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2252	1126	664	330	289	145	330	289	578	
PLAS#250K-535-32K-318-CL-SE-F1	535	318	933	481	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2154	1077	664	330	289	145	330	289	722	
PLAS#300K-585-31K-318-CL-SE-F1*	585	318	1022	499	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2284	1142	687	436	390	251	487	441	954	
PLAS#350K-635-35K-318-CL-SE-F1*	635	318	1002	499	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2264	1132	687	436	390	251	487	441	1043	
PLAS#450K-685-35K-318-CL-SE-F1*	685	318	1002	509	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2299	1150	712	436	390	251	487	441	1148	
PLAS#200K-435-18K-420-CL-SE-F1	435	420	1125	553	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2500	1250	766	330	289	145	330	289	528	
PLAS#250K-485-18K-420-CL-SE-F1	485	420	1125	581	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2548	1274	766	330	289	145	330	289	623	
PLAS#250K-535-29K-420-CL-SE-F1	535	420	1006	583	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2431	1216	766	330	289	145	330	289	760	
PLAS#300K-585-26K-420-CL-SE-F1*	585	420	1089	601	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2555	1278	789	436	390	251	487	441	996	
PLAS#350K-635-33K-420-CL-SE-F1*	635	420	992	601	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2458	1229	789	436	390	251	487	441	1024	
PLAS#450K-685-33K-420-CL-SE-F1*	685	420	992	611	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2493	1247	814	436	390	251	487	441	1130	

NOTES:

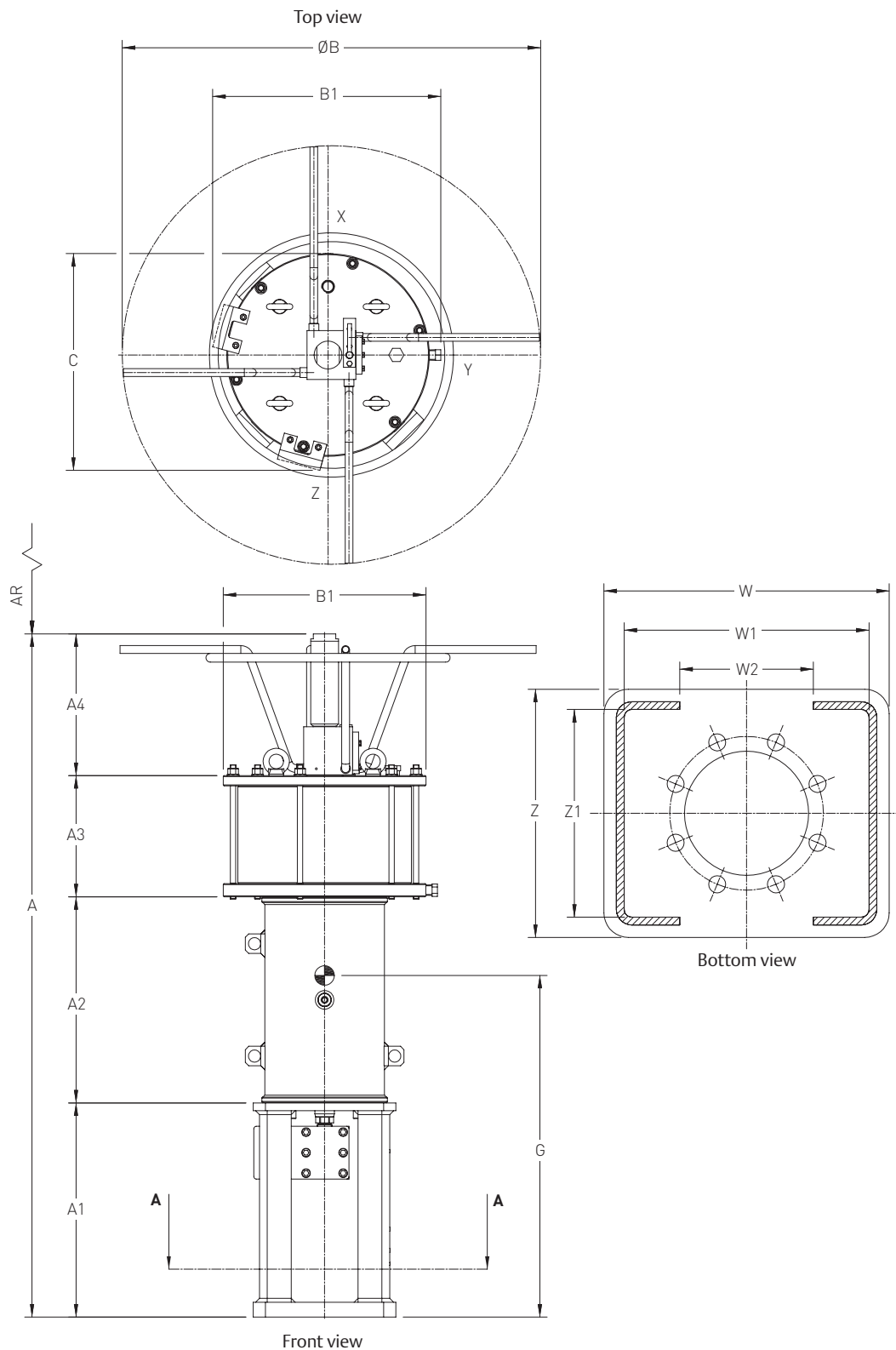
* Available with 5H type only

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#150K-385-16K-115-CL-SE-F1	1403	115	702	470	330	289	145	330	289	332
PLAS#150K-385-16K-115-CL-SE-F2	1382	115	691	470	330	289	145	330	289	374
PLAS#150K-385-21K-115-CL-SE-F1	1383	115	692	470	330	289	145	330	289	379
PLAS#150K-385-21K-115-CL-SE-F2	1335	115	668	470	330	289	145	330	289	328
PLAS#150K-385-25K-115-CL-SE-F1	1412	115	706	470	330	289	145	330	289	335
PLAS#200K-435-16K-115-CL-SE-F1	1403	115	702	470	330	289	145	330	289	365
PLAS#200K-435-21K-115-CL-SE-F1	1335	115	668	470	330	289	145	330	289	361
PLAS#200K-435-22K-115-CL-SE-F2	1295	115	648	470	330	289	145	330	289	411
PLAS#200K-435-25K-115-CL-SE-F1	1412	115	706	470	330	289	145	330	289	368
PLAS#150K-435-27K-115-CL-SE-F1	1300	115	650	470	330	289	145	330	289	399
PLAS#200K-485-25K-115-CL-SE-F1	1460	115	730	470	330	289	145	330	289	458
PLAS#200K-485-30K-115-CL-SE-F2	1319	115	660	470	330	289	145	330	289	494
PLAS#200K-485-33K-115-CL-SE-F1	1343	115	672	470	330	289	145	330	289	498
PLAS#250K-535-34K-115-CL-SE-F1	1595	115	798	470	330	289	145	330	289	617
PLAS#250K-535-38K-115-CL-SE-F2	1430	115	715	470	330	289	145	330	289	622
PLAS#250K-535-43K-115-CL-SE-F1	1326	115	663	470	330	289	145	330	289	559
PLAS#300K-585-34K-115-CL-SE-F1	1642	115	821	490	436	390	251	487	441	765
PLAS#300K-585-45K-115-CL-SE-F2	1336	115	668	490	436	390	251	487	441	784
PLAS#300K-585-51K-115-CL-SE-F1	1464	115	732	490	436	390	251	487	441	769
PLAS#350K-635-38K-115-CL-SE-F1	1608	115	804	490	436	390	251	487	441	838
PLAS#350K-635-52K-115-CL-SE-F2	1502	115	751	490	436	390	251	487	441	953
PLAS#350K-635-62K-115-CL-SE-F1	1421	115	711	490	436	390	251	487	441	917
PLAS#450K-685-38K-115-CL-SE-F1	1643	115	822	515	436	390	251	487	441	944
PLAS#400K-685-74K-115-CL-SE-F1	1505	115	753	515	436	390	251	487	441	1054
PLAS#400K-685-75K-115-CL-SE-F3	1662	115	831	515	436	390	251	487	441	1195
PLAS#400K-685-85K-115-CL-SE-F2	1477	115	739	515	436	390	251	487	441	1049
PLAS#150K-385-8K-216-CL-SE-F1	1752	216	876	600	330	289	145	330	289	356
PLAS#150K-385-12K-216-CL-SE-F1	1573	216	787	600	330	289	145	330	289	370
PLAS#150K-385-12K-216-CL-SE-F2	1566	216	783	600	330	289	145	330	289	369
PLAS#150K-385-13K-216-CL-SE-F1	1685	216	843	600	330	289	145	330	289	353
PLAS#150K-385-16K-216-CL-SE-F1	1776	216	888	600	330	289	145	330	289	361
PLAS#150K-385-17K-216-CL-SE-F1	1761	216	881	600	330	289	145	330	289	360
PLAS#150K-385-21K-216-CL-SE-F1	1710	216	855	600	330	289	145	330	289	358
PLAS#150K-385-21K-216-CL-SE-F3	1680	216	840	600	330	289	145	330	289	383
PLAS#150K-385-22K-216-CL-SE-F1	1694	216	847	600	330	289	145	330	289	357
PLAS#150K-385-29K-216-CL-SE-F1	1934	216	967	600	330	289	145	330	289	418
PLAS#200K-435-16K-216-CL-SE-F3	1744	216	872	600	330	289	145	330	289	484
PLAS#200K-435-16K-216-CL-SE-F1	1669	216	835	600	330	289	145	330	289	448
PLAS#200K-435-17K-216-CL-SE-F2	1737	216	869	600	330	289	145	330	289	483
PLAS#200K-435-21K-216-CL-SE-F1	1651	216	826	600	330	289	145	330	289	447
PLAS#200K-435-25K-216-CL-SE-F1	1845	216	923	600	330	289	145	330	289	502
PLAS#150K-435-27K-216-CL-SE-F1	1685	216	843	600	330	289	145	330	289	482
PLAS#250K-485-20K-216-CL-SE-F3	1773	216	887	600	330	289	145	330	289	592
PLAS#200K-485-21K-216-CL-SE-F2	1763	216	882	600	330	289	145	330	289	591
PLAS#200K-485-25K-216-CL-SE-F1	1893	216	947	600	330	289	145	330	289	566
PLAS#200K-485-34K-216-CL-SE-F1	1718	216	859	600	330	289	145	330	289	583
PLAS#250K-535-29K-216-CL-SE-F3	1848	216	924	600	330	289	145	330	289	683
PLAS#250K-535-30K-216-CL-SE-F2	1848	216	924	600	330	289	145	330	289	683
PLAS#250K-535-34K-216-CL-SE-F1	1846	216	923	600	330	289	145	330	289	660
PLAS#250K-535-40K-216-CL-SE-F1	1820	216	910	600	330	289	145	330	289	671

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#300K-585-32K-216-CL-SE-F3	1855	216	928	620	436	390	251	487	441	903
PLAS#300K-585-33K-216-CL-SE-F2	1850	216	925	620	436	390	251	487	441	903
PLAS#300K-585-34K-216-CL-SE-F1	1893	216	947	620	436	390	251	487	441	815
PLAS#300K-585-49K-216-CL-SE-F1	1792	216	896	620	436	390	251	487	441	895
PLAS#350K-635-38K-216-CL-SE-F3	1815	216	908	620	436	390	251	487	441	1038
PLAS#350K-635-38K-216-CL-SE-F1	1870	216	935	620	436	390	251	487	441	966
PLAS#350K-635-40K-216-CL-SE-F2	1805	216	903	620	436	390	251	487	441	1037
PLAS#350K-635-60K-216-CL-SE-F1	1903	216	952	620	436	390	251	487	441	1102
PLAS#450K-685-38K-216-CL-SE-F1	1905	216	953	645	436	390	251	487	441	1074
PLAS#400K-685-49K-216-CL-SE-F2	1843	216	922	645	436	390	251	487	441	1151
PLAS#400K-685-51K-216-CL-SE-F1	1833	216	917	645	436	390	251	487	441	1149
PLAS#400K-685-64K-216-CL-SE-F3	1913	216	957	645	436	390	251	487	441	1204
PLAS#150K-385-19K-318-CL-SE-F1	2279	318	1140	664	330	289	145	330	289	457
PLAS#200K-435-23K-318-CL-SE-F1	2204	318	1102	664	330	289	145	330	289	485
PLAS#200K-485-23K-318-CL-SE-F1	2252	318	1126	664	330	289	145	330	289	579
PLAS#250K-535-32K-318-CL-SE-F1	2154	318	1077	664	330	289	145	330	289	723
PLAS#300K-585-31K-318-CL-SE-F1	2281	318	1141	684	436	390	251	487	441	955
PLAS#350K-635-35K-318-CL-SE-F1	2261	318	1131	684	436	390	251	487	441	1044
PLAS#450K-685-35K-318-CL-SE-F1	2296	318	1148	709	436	390	251	487	441	1153
PLAS#200K-435-18K-420-CL-SE-F1	2500	420	1250	766	330	289	145	330	289	528
PLAS#250K-485-18K-420-CL-SE-F1	2548	420	1274	766	330	289	145	330	289	623
PLAS#250K-535-29K-420-CL-SE-F1	2431	420	1216	766	330	289	145	330	289	760
PLAS#300K-585-26K-420-CL-SE-F1	2551	420	1276	785	436	390	251	487	441	996
PLAS#350K-635-33K-420-CL-SE-F1	2454	420	1227	785	436	390	251	487	441	1024
PLAS#450K-685-33K-420-CL-SE-F1	2489	420	1245	810	436	390	251	487	441	1134

Biffi PLAS Spring-Return Actuators - Overall Dimensions - Spring Extended - Fail Down - Manual Handwheel (MHW)



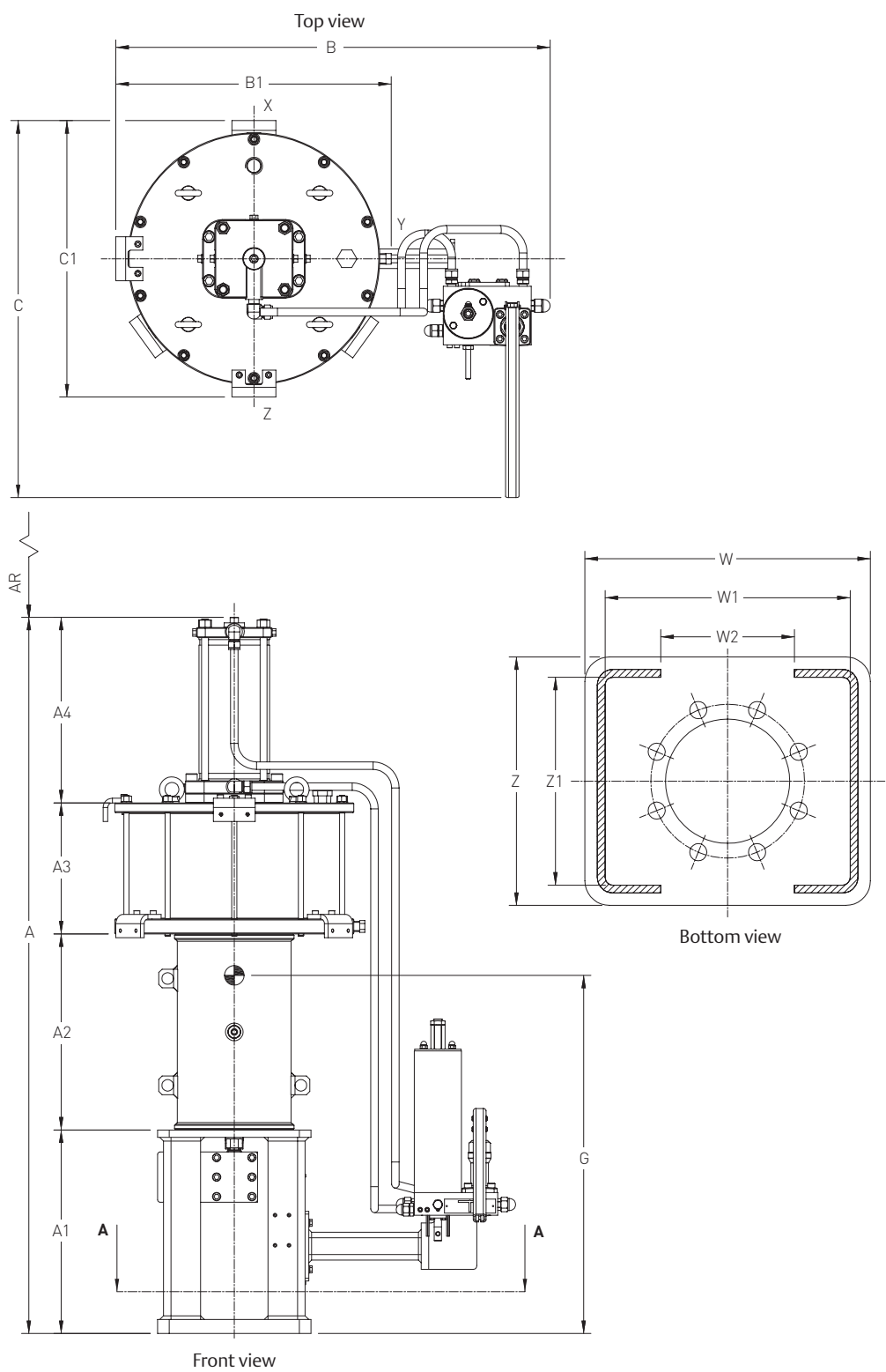
**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#100K-280-12K-115-CL-SE-F1-MHW to PLAS#150K-385-19K-318-CL-SE-F1-MHW**

Actuator model	Cylinder DN	Max travel	ØB/ A2 A3 A4 B B1 C C1								Pneumatic port (inch)		A G A1 W W1 W2 Z Z1										Weight kg
											STD	OPT											
											T (top) / B (bottom)												
PLAS#100K-280-12K-115-CL-SE-F1-MHW	280	115	610	282	290	850	415	850	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1426	713	438	292	251	137	254	213	217			
PLAS#100K-280-16K-115-CL-SE-F1-MHW	280	115	499	282	290	850	415	850	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1315	657	438	292	251	137	254	213	222			
PLAS#100K-280-7K-115-CL-SE-F1-MHW	280	115	788	282	290	850	415	850	390	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1604	802	438	292	251	137	254	213	250			
PLAS#100K-335-16K-115-CL-SE-F1-MHW	335	115	619	285	290	1250	410	390	-	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1471	735	438	292	251	137	254	213	309			
PLAS#100K-335-13K-115-CL-SE-F2-MHW	335	115	511	285	290	1250	410	390	-	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1363	681	438	292	251	137	254	213	258			
PLAS#100K-335-12K-115-CL-SE-F1-MHW	335	115	495	285	290	1250	410	1250	390	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1347	673	438	292	251	137	254	213	244			
PLAS#100K-335-16K-115-CL-SE-F2-MHW	335	115	629	285	290	1250	467	1250	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1481	740	438	292	251	137	254	213	300			
PLAS#100K-335-21K-115-CL-SE-F1-MHW	335	115	561	285	290	1250	467	1250	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1413	706	438	292	251	137	254	213	297			
PLAS#100K-335-7K-115-CL-SE-F1-MHW	335	115	516	285	290	1250	467	1250	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1368	684	438	292	251	137	254	213	240			
PLAS#150K-385-21K-115-CL-SE-F1-MHW	385	115	609	285	290	1400	467	444	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1492	746	438	330	289	145	330	289	396			
PLAS#150K-385-16K-115-CL-SE-F2-MHW	385	115	608	285	290	1400	467	444	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1491	745	438	330	289	145	330	289	391			
PLAS#150K-385-16K-115-CL-SE-F1-MHW	385	115	629	285	290	1400	467	1400	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1512	756	438	330	289	145	330	289	348			
PLAS#150K-385-21K-115-CL-SE-F2-MHW	385	115	561	285	290	1400	467	1400	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1444	722	438	330	289	145	330	289	345			
PLAS#150K-385-25K-115-CL-SE-F1-MHW	385	115	638	285	290	1400	467	1400	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1521	760	438	330	289	145	330	289	352			
PLAS#100K-280-12K-216-CL-SE-F1-MHW	280	216	923	383	391	850	514	850	490	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1935	968	524	292	251	137	254	213	264			
PLAS#100K-280-16K-216-CL-SE-F1-MHW	280	216	1025	383	391	850	514	850	490	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	2037	1019	524	292	251	137	254	213	284			
PLAS#100K-280-7K-216-CL-SE-F1-MHW	280	216	741	383	391	850	514	850	490	3/4 (T) - 3/4 (B)	1/2 (T) - 3/4 (B)	1753	877	524	292	251	137	254	213	236			
PLAS#100K-335-16K-216-CL-SE-F1-MHW	335	216	671	386	391	1250	565	565	-	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1722	861	524	292	251	137	254	213	327			
PLAS#100K-335-12K-216-CL-SE-F1-MHW	335	216	696	386	391	1250	565	1250	565	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1747	873	524	292	251	137	254	213	320			
PLAS#100K-335-16K-216-CL-SE-F2-MHW	335	216	771	386	391	1250	565	1250	565	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1822	911	524	292	251	137	254	213	326			
PLAS#100K-335-21K-216-CL-SE-F1-MHW	335	216	705	386	391	1250	565	1250	565	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1756	878	524	292	251	137	254	213	323			
PLAS#100K-335-7K-216-CL-SE-F1-MHW	335	216	741	386	391	1250	565	1250	565	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1792	896	524	292	251	137	254	213	272			
PLAS#100K-335-8K-216-CL-SE-F1-MHW	335	216	747	386	391	1250	565	1250	565	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1798	899	524	292	251	137	254	213	322			
PLAS#150K-385-12K-216-CL-SE-F1-MHW	385	216	568	386	391	1400	565	565	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1651	825	524	330	289	145	330	289	387			
PLAS#150K-385-12K-216-CL-SE-F2-MHW	385	216	561	386	391	1400	565	565	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1644	822	524	330	289	145	330	289	386			
PLAS#150K-385-21K-216-CL-SE-F3-MHW	385	216	675	386	391	1400	565	565	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1758	879	524	330	289	145	330	289	400			
PLAS#150K-385-13K-216-CL-SE-F1-MHW	385	216	680	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1763	881	524	330	289	145	330	289	370			
PLAS#150K-385-16K-216-CL-SE-F1-MHW	385	216	771	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1854	927	524	330	289	145	330	289	378			
PLAS#150K-385-17K-216-CL-SE-F1-MHW	385	216	756	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1839	919	524	330	289	145	330	289	377			
PLAS#150K-385-21K-216-CL-SE-F1-MHW	385	216	705	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1788	894	524	330	289	145	330	289	375			
PLAS#150K-385-22K-216-CL-SE-F1-MHW	385	216	689	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1772	886	524	330	289	145	330	289	374			
PLAS#150K-385-29K-216-CL-SE-F1-MHW	385	216	929	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2012	1006	524	330	289	145	330	289	435			
PLAS#150K-385-8K-216-CL-SE-F1-MHW	385	216	747	386	391	1400	565	1400	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1830	915	524	330	289	145	330	289	374			
PLAS#150K-385-19K-318-CL-SE-F1-MHW	385	318	1108	488	492	1400	730	1400	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2446	1223	664	330	289	145	330	289	480			

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#150K-385-21K-115-CL-SE-F1-MHW	1524	115	762	470	330	289	145	330	289	398
PLAS#150K-385-16K-115-CL-SE-F2-MHW	1523	115	761	470	330	289	145	330	289	393
PLAS#150K-385-16K-115-CL-SE-F1-MHW	1544	115	772	470	330	289	145	330	289	350
PLAS#150K-385-21K-115-CL-SE-F2-MHW	1476	115	738	470	330	289	145	330	289	347
PLAS#150K-385-25K-115-CL-SE-F1-MHW	1553	115	776	470	330	289	145	330	289	354
PLAS#150K-385-12K-216-CL-SE-F1-MHW	1727	216	863	600	330	289	145	330	289	391
PLAS#150K-385-12K-216-CL-SE-F2-MHW	1720	216	860	600	330	289	145	330	289	390
PLAS#150K-385-21K-216-CL-SE-F3-MHW	1834	216	917	600	330	289	145	330	289	404
PLAS#150K-385-13K-216-CL-SE-F1-MHW	1839	216	919	600	330	289	145	330	289	374
PLAS#150K-385-16K-216-CL-SE-F1-MHW	1930	216	965	600	330	289	145	330	289	382
PLAS#150K-385-17K-216-CL-SE-F1-MHW	1915	216	957	600	330	289	145	330	289	381
PLAS#150K-385-21K-216-CL-SE-F1-MHW	1864	216	932	600	330	289	145	330	289	379
PLAS#150K-385-22K-216-CL-SE-F1-MHW	1848	216	924	600	330	289	145	330	289	378
PLAS#150K-385-29K-216-CL-SE-F1-MHW	2088	216	1044	600	330	289	145	330	289	439
PLAS#150K-385-8K-216-CL-SE-F1-MHW	1906	216	953	600	330	289	145	330	289	378
PLAS#150K-385-19K-318-CL-SE-F1-MHW	2446	318	1223	664	330	289	145	330	289	481

Biffi PLAS Spring-Return Actuators - Overall Dimensions - Spring Extended - Fail Down - Hydraulic Manual Override (MHP)



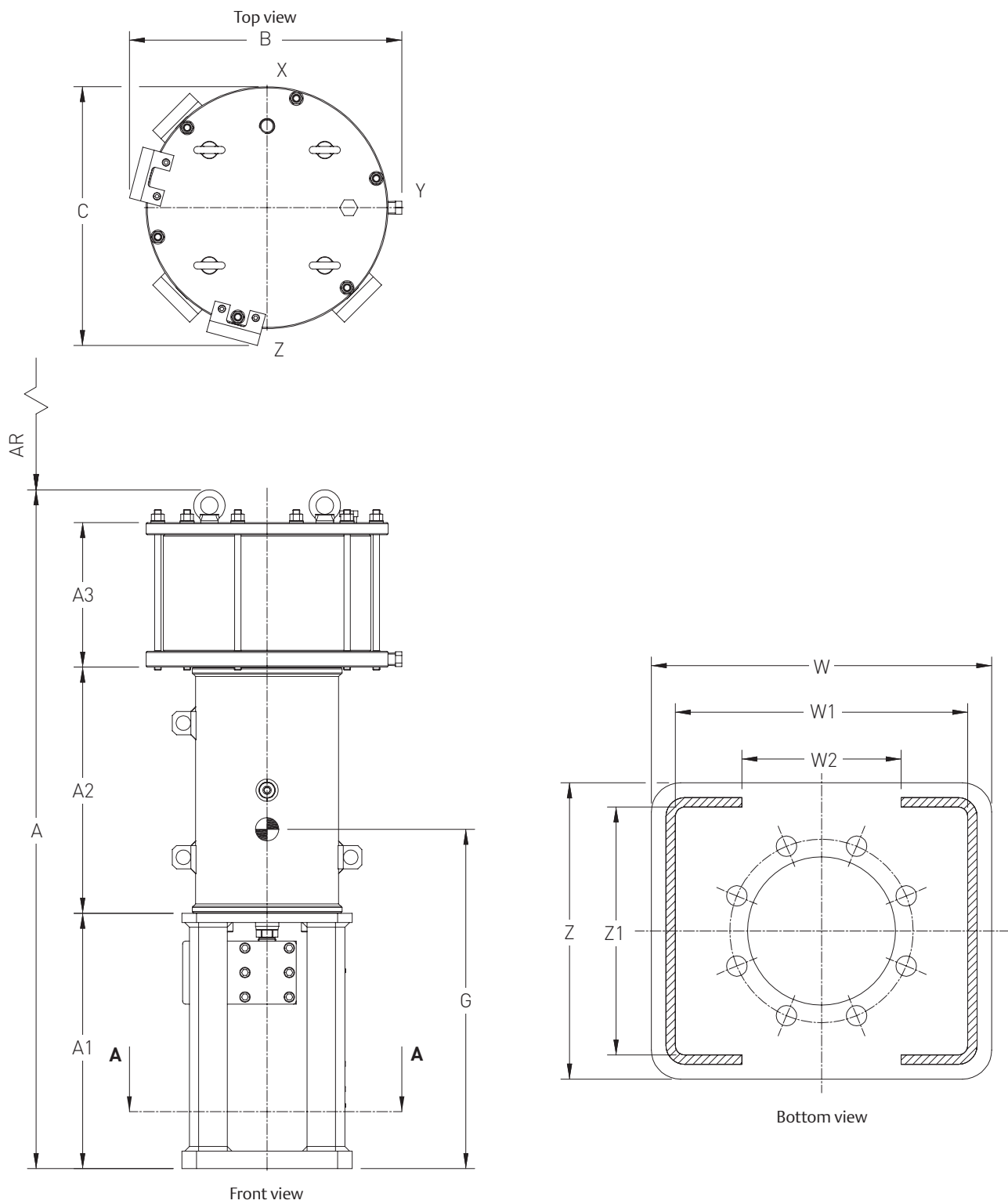
**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#150K-435-27K-115-CL-SE-F1-MHP to PLAS#450K-685-33K-420-CL-SE-F1-MHP**

Actuator model	Cylinder DN	Max travel	ØB/ A2 A3 A4 B B1 C C1								Pneumatic port (inch)		A G A1 W W1W2 Z Z1 Weight kg									
											STD	OPT										
											T (top) / B (bottom)											
PLAS#150K-435-27K-115-CL-SE-F1-MHP	435	115	526	282	334	890	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1491	746	438	330	289	145	330	289	469		
PLAS#200K-435-22K-115-CL-SE-F2-MHP	435	115	521	282	334	890	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1486	743	438	330	289	145	330	289	481		
PLAS#200K-435-16K-115-CL-SE-F1-MHP	435	115	629	282	334	890	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1594	797	438	330	289	145	330	289	434		
PLAS#200K-435-21K-115-CL-SE-F1-MHP	435	115	561	282	334	890	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1526	763	438	330	289	145	330	289	431		
PLAS#200K-435-25K-115-CL-SE-F1-MHP	435	115	638	282	334	890	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1603	802	438	330	289	145	330	289	438		
PLAS#200K-485-33K-115-CL-SE-F1-MHP	485	115	521	313	340	950	514	805.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1629	815	438	330	289	145	330	289	591		
PLAS#200K-485-30K-115-CL-SE-F2-MHP	485	115	497	313	340	950	514	805.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1605	803	438	330	289	145	330	289	587		
PLAS#200K-485-25K-115-CL-SE-F1-MHP	485	115	638	313	340	950	514	805.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1746	873	438	330	289	145	330	289	550		
PLAS#250K-535-43K-115-CL-SE-F1-MHP	535	115	502	317	340	1000	514	830.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1668	834	438	330	289	145	330	289	652		
PLAS#250K-535-38K-115-CL-SE-F2-MHP	535	115	606	317	340	1000	514	830.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1772	886	438	330	289	145	330	289	715		
PLAS#250K-535-34K-115-CL-SE-F1-MHP	535	115	771	317	340	1000	514	830.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1937	968	438	330	289	145	330	289	710		
PLAS#300K-585-51K-115-CL-SE-F1-MHP*	585	115	602	348	363	1050	514	855.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1913	956	461	436	390	251	487	441	871		
PLAS#300K-585-45K-115-CL-SE-F2-MHP*	585	115	474	348	363	1050	514	855.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1785	892	461	436	390	251	487	441	887		
PLAS#300K-585-34K-115-CL-SE-F1-MHP*	585	115	780	348	363	1050	514	855.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2091	1045	461	436	390	251	487	441	867		
PLAS#350K-635-62K-115-CL-SE-F1-MHP*	635	115	559	349	363	1105	514	882.5	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1948	974	461	436	390	251	487	441	1020		
PLAS#350K-635-52K-115-CL-SE-F2-MHP*	635	115	640	349	363	1105	514	882.5	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2029	1014	461	436	390	251	487	441	1055		
PLAS#350K-635-38K-115-CL-SE-F1-MHP*	635	115	746	349	363	1105	514	882.5	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2135	1067	461	436	390	251	487	441	941		
PLAS#400K-685-74K-115-CL-SE-F1-MHP*	685	115	608	373	353	1155	514	910.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2197	1099	486	436	390	251	487	441	1198		
PLAS#400K-685-85K-115-CL-SE-F2-MHP*	685	115	580	373	353	1155	514	910.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2169	1085	486	436	390	251	487	441	1194		
PLAS#400K-685-75K-115-CL-SE-F3-MHP*	685	115	765	373	353	1155	514	910.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2354	1177	486	436	390	251	487	441	1339		
PLAS#450K-685-38K-115-CL-SE-F1-MHP*	685	115	746	373	353	1155	514	910.0	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2335	1168	486	436	390	251	487	441	1088		
PLAS#150K-435-27K-216-CL-SE-F1-MHP	435	216	680	383	435	885	565	772.5	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1850	925	524	330	289	145	330	289	555		
PLAS#200K-435-17K-216-CL-SE-F2-MHP	435	216	732	383	435	885	630	772.5	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1902	951	524	330	289	145	330	289	556		
PLAS#200K-435-16K-216-CL-SE-F3-MHP	435	216	739	383	435	885	630	772.5	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1909	955	524	330	289	145	330	289	556		
PLAS#200K-435-16K-216-CL-SE-F1-MHP	435	216	664	383	435	885	630	772.5	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1834	917	524	330	289	145	330	289	520		
PLAS#200K-435-21K-216-CL-SE-F1-MHP	435	216	646	383	435	885	630	772.5	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1816	908	524	330	289	145	330	289	519		
PLAS#200K-435-25K-216-CL-SE-F1-MHP	435	216	840	383	435	885	630	772.5	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2010	1005	524	330	289	145	330	289	574		
PLAS#200K-485-34K-216-CL-SE-F1-MHP	485	216	665	414	441	950	630	805.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1982	991	524	330	289	145	330	289	681		
PLAS#200K-485-21K-216-CL-SE-F2-MHP	485	216	710	414	441	950	630	805.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2027	1014	524	330	289	145	330	289	688		
PLAS#250K-485-20K-216-CL-SE-F3-MHP	485	216	720	414	441	950	630	805.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2037	1019	524	330	289	145	330	289	689		
PLAS#200K-485-25K-216-CL-SE-F1-MHP	485	216	840	414	441	950	630	805.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2157	1079	524	330	289	145	330	289	663		
PLAS#250K-535-40K-216-CL-SE-F1-MHP	535	216	765	418	441	1000	630	830.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2142	1071	524	330	289	145	330	289	769		
PLAS#250K-535-30K-216-CL-SE-F2-MHP	535	216	793	418	441	1000	630	830.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2170	1085	524	330	289	145	330	289	781		
PLAS#250K-535-29K-216-CL-SE-F3-MHP	535	216	793	418	441	1000	630	830.0	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2170	1085	524	330	289	145	330	289	780		
PLAS#250K-535-34K-216-CL-SE-F1-MHP	535	216	791	418	441	1000	680	830.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2168	1084	524	330	289	145	330	289	758		
PLAS#300K-585-49K-216-CL-SE-F1-MHP*	585	216	699	449	464	1050	680	855.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2226	1113	547	436	390	251	487	441	1004		
PLAS#300K-585-33K-216-CL-SE-F2-MHP*	585	216	757	449	464	1050	680	855.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2284	1142	547	436	390	251	487	441	1012		
PLAS#300K-585-32K-216-CL-SE-F3-MHP*	585	216	762	449	464	1050	680	855.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2289	1144	547	436	390	251	487	441	1012		
PLAS#300K-585-34K-216-CL-SE-F1-MHP*	585	216	800	449	464	1050	680	855.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2327	1163	547	436	390	251	487	441	924		
PLAS#350K-635-60K-216-CL-SE-F1-MHP*	635	216	810	450	465	1105	680	882.5	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2421	1211	547	436	390	251	487	441	1211		
PLAS#350K-635-40K-216-CL-SE-F2-MHP*	635	216	712	450	465	1105	680	882.5	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2323	1162	547	436	390	251	487	441	1146		
PLAS#350K-635-38K-216-CL-SE-F3-MHP*	635	216	722	450	465	1105	680	882.5	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2333	1167	547	436	390	251	487	441	1147		
PLAS#350K-635-38K-216-CL-SE-F1-MHP*	635	216	777	450	465	1105	680	882.5	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2388	1194	547	436	390	251	487	441	1075		
PLAS#400K-685-51K-216-CL-SE-F1-MHP*	685	216	705	474	454	1155	680	910.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2519	1259	572	436	390	251	487	441	1302		
PLAS#400K-685-49K-216-CL-SE-F2-MHP*	685	216	715	474	454	1155	680	910.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2529	1264	572	436	390	251	487	441	1303		
PLAS#400K-685-64K-216-CL-SE-F3-MHP*	685	216	785	474	454	1155	680	910.0	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2599	1299	572	436	390	251	487	441	1356		
PLAS#450K-685-38K-216-CL-SE-F1-MHP*	685	216	777	474	454	1155	730	910.0	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2591	1295	572	436	390	251	487	441	1226		
PLAS#200K-435-23K-318-CL-SE-F1-MHP	435	318	10																			

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#150K-435-27K-115-CL-SE-F1-MHP	1523	115	762	470	330	289	145	330	289	471
PLAS#200K-435-22K-115-CL-SE-F2-MHP	1518	115	759	470	330	289	145	330	289	483
PLAS#200K-435-16K-115-CL-SE-F1-MHP	1626	115	813	470	330	289	145	330	289	436
PLAS#200K-435-21K-115-CL-SE-F1-MHP	1558	115	779	470	330	289	145	330	289	433
PLAS#200K-435-25K-115-CL-SE-F1-MHP	1635	115	818	470	330	289	145	330	289	440
PLAS#200K-485-33K-115-CL-SE-F1-MHP	1661	115	831	470	330	289	145	330	289	593
PLAS#200K-485-30K-115-CL-SE-F2-MHP	1637	115	819	470	330	289	145	330	289	589
PLAS#200K-485-25K-115-CL-SE-F1-MHP	1778	115	889	470	330	289	145	330	289	552
PLAS#250K-535-43K-115-CL-SE-F1-MHP	1700	115	850	470	330	289	145	330	289	654
PLAS#250K-535-38K-115-CL-SE-F2-MHP	1804	115	902	470	330	289	145	330	289	717
PLAS#250K-535-34K-115-CL-SE-F1-MHP	1969	115	984	470	330	289	145	330	289	712
PLAS#300K-585-51K-115-CL-SE-F1-MHP	1942	115	971	490	436	390	251	487	441	874
PLAS#300K-585-45K-115-CL-SE-F2-MHP	1814	115	907	490	436	390	251	487	441	890
PLAS#300K-585-34K-115-CL-SE-F1-MHP	2120	115	1060	490	436	390	251	487	441	870
PLAS#350K-635-62K-115-CL-SE-F1-MHP	1977	115	988	490	436	390	251	487	441	1023
PLAS#350K-635-52K-115-CL-SE-F2-MHP	2058	115	1029	490	436	390	251	487	441	1058
PLAS#350K-635-38K-115-CL-SE-F1-MHP	2164	115	1082	490	436	390	251	487	441	944
PLAS#400K-685-74K-115-CL-SE-F1-MHP	2226	115	1113	515	436	390	251	487	441	1205
PLAS#400K-685-85K-115-CL-SE-F2-MHP	2198	115	1099	515	436	390	251	487	441	1201
PLAS#400K-685-75K-115-CL-SE-F3-MHP	2383	115	1192	515	436	390	251	487	441	1346
PLAS#450K-685-38K-115-CL-SE-F1-MHP	2364	115	1182	515	436	390	251	487	441	1095
PLAS#150K-435-27K-216-CL-SE-F1-MHP	1926	216	963	600	330	289	145	330	289	559
PLAS#200K-435-17K-216-CL-SE-F2-MHP	1978	216	989	600	330	289	145	330	289	560
PLAS#200K-435-16K-216-CL-SE-F3-MHP	1985	216	993	600	330	289	145	330	289	560
PLAS#200K-435-16K-216-CL-SE-F1-MHP	1910	216	955	600	330	289	145	330	289	524
PLAS#200K-435-21K-216-CL-SE-F1-MHP	1892	216	946	600	330	289	145	330	289	523
PLAS#200K-435-25K-216-CL-SE-F1-MHP	2086	216	1043	600	330	289	145	330	289	578
PLAS#200K-485-34K-216-CL-SE-F1-MHP	2058	216	1029	600	330	289	145	330	289	685
PLAS#200K-485-21K-216-CL-SE-F2-MHP	2103	216	1052	600	330	289	145	330	289	692
PLAS#250K-485-20K-216-CL-SE-F3-MHP	2113	216	1057	600	330	289	145	330	289	693
PLAS#200K-485-25K-216-CL-SE-F1-MHP	2233	216	1117	600	330	289	145	330	289	667
PLAS#250K-535-40K-216-CL-SE-F1-MHP	2218	216	1109	600	330	289	145	330	289	773
PLAS#250K-535-30K-216-CL-SE-F2-MHP	2246	216	1123	600	330	289	145	330	289	785
PLAS#250K-535-29K-216-CL-SE-F3-MHP	2246	216	1123	600	330	289	145	330	289	784
PLAS#250K-535-34K-216-CL-SE-F1-MHP	2244	216	1122	600	330	289	145	330	289	762
PLAS#300K-585-49K-216-CL-SE-F1-MHP	2299	216	1149	620	436	390	251	487	441	1010
PLAS#300K-585-33K-216-CL-SE-F2-MHP	2357	216	1178	620	436	390	251	487	441	1018
PLAS#300K-585-32K-216-CL-SE-F3-MHP	2362	216	1181	620	436	390	251	487	441	1018
PLAS#300K-585-34K-216-CL-SE-F1-MHP	2400	216	1200	620	436	390	251	487	441	930
PLAS#350K-635-60K-216-CL-SE-F1-MHP	2494	216	1247	620	436	390	251	487	441	1217
PLAS#350K-635-40K-216-CL-SE-F2-MHP	2396	216	1198	620	436	390	251	487	441	1152
PLAS#350K-635-38K-216-CL-SE-F3-MHP	2406	216	1203	620	436	390	251	487	441	1153
PLAS#350K-635-38K-216-CL-SE-F1-MHP	2461	216	1231	620	436	390	251	487	441	1081
PLAS#400K-685-51K-216-CL-SE-F1-MHP	2592	216	1296	645	436	390	251	487	441	1311
PLAS#400K-685-49K-216-CL-SE-F2-MHP	2602	216	1301	645	436	390	251	487	441	1313
PLAS#400K-685-64K-216-CL-SE-F3-MHP	2672	216	1336	645	436	390	251	487	441	1366
PLAS#450K-685-38K-216-CL-SE-F1-MHP	2664	216	1332	645	436	390	251	487	441	1236
PLAS#200K-435-23K-318-CL-SE-F1-MHP	2463	318	1232	664	330	289	145	330	289	567
PLAS#200K-485-23K-318-CL-SE-F1-MHP	2614	318	1307	664	330	289	145	330	289	687
PLAS#250K-535-32K-318-CL-SE-F1-MHP	2577	318	1288	664	330	289	145	330	289	832
PLAS#300K-585-31K-318-CL-SE-F1-MHP	2817	318	1408	684	436	390	251	487	441	1079
PLAS#350K-635-35K-318-CL-SE-F1-MHP	2887	318	1444	684	436	390	251	487	441	1168
PLAS#450K-685-35K-318-CL-SE-F1-MHP	3093	318	1546	709	436	390	251	487	441	1325
PLAS#200K-435-18K-420-CL-SE-F1-MHP	2777	420	1389	766	330	289	145	330	289	614
PLAS#250K-485-18K-420-CL-SE-F1-MHP	2932	420	1466	766	330	289	145	330	289	738
PLAS#250K-535-29K-420-CL-SE-F1-MHP	2878	420	1439	766	330	289	145	330	289	875
PLAS#300K-585-26K-420-CL-SE-F1-MHP	3116	420	1558	785	436	390	251	487	441	1129
PLAS#350K-635-33K-420-CL-SE-F1-MHP	3116	420	1558	785	436	390	251	487	441	1157
PLAS#450K-685-33K-420-CL-SE-F1-MHP	3324	420	1662	810	436	390	251	487	441	1317

Biffi PLAS Spring-Return Actuators - Overall Dimensions - Spring Retracted - Fail Up



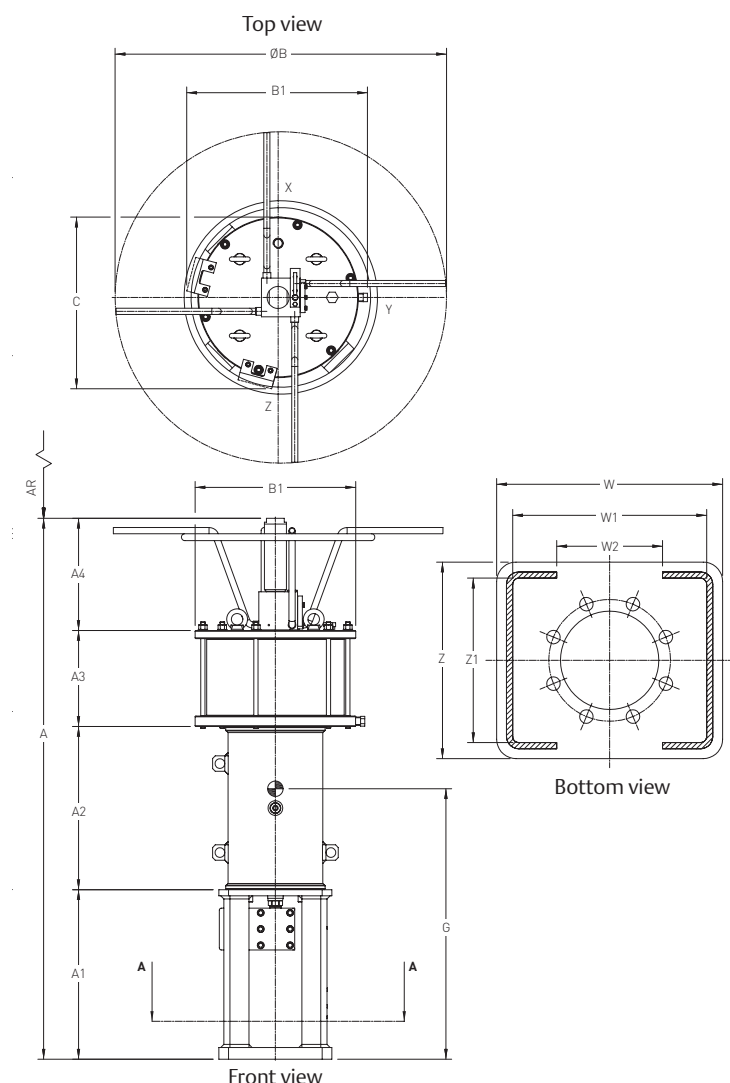
**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#150K-385-9K-115-OP-SR-F1 to PLAS#200K-435-12K-318-OP-SR-F1**

Actuator model	Cylinder Max DN travel A2 A3 B C						Pneumatic port (inch)		Weight kg									
							STD	OPT										
							T (top) / B (bottom)											
PLAS#150K-385-9K-115-OP-SR-F1	385	115	485	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1227	614	438	330	289	145	330	289	306	
PLAS#150K-385-9K-115-OP-SR-F2	385	115	461	248	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1203	602	438	330	289	145	330	289	298	
PLAS#200K-435-12K-115-OP-SR-F1	435	115	520	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1262	631	438	330	289	145	330	289	400	
PLAS#200K-435-12K-115-OP-SR-F2	435	115	473	248	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1215	608	438	330	289	145	330	289	339	
PLAS#250K-485-13K-115-OP-SR-F1	485	115	564	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1354	677	438	330	289	145	330	289	501	
PLAS#250K-485-13K-115-OP-SR-F2	485	115	517	276	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1307	654	438	330	289	145	330	289	488	
PLAS#300K-535-14K-115-OP-SR-F1	535	115	489	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1281	641	438	330	289	145	330	289	545	
PLAS#300K-535-14K-115-OP-SR-F2	535	115	544	278	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1336	668	438	330	289	145	330	289	554	
PLAS#350K-585-16K-115-OP-SR-F2*	585	115	493	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1326	663	461	436	390	251	487	441	705	
PLAS#350K-585-16K-115-OP-SR-F1*	585	115	498	296	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1331	666	461	436	390	251	487	441	711	
PLAS#400K-635-19K-115-OP-SR-F2*	635	115	485	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1318	659	461	436	390	251	487	441	781	
PLAS#400K-635-19K-115-OP-SR-F1*	635	115	481	296	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1314	657	461	436	390	251	487	441	787	
PLAS#450K-685-21K-115-OP-SR-F1*	685	115	760	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1628	814	486	436	390	251	487	441	955	
PLAS#450K-685-21K-115-OP-SR-F2*	685	115	478	306	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1346	673	486	436	390	251	487	441	889	
PLAS#100K-335-8K-216-OP-SR-F1	335	216	608	349	467	444	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1537	769	524	292	251	137	254	213	316	
PLAS#150K-385-9K-216-OP-SR-F1	385	216	587	349	514	490	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1516	758	524	330	289	145	330	289	367	
PLAS#200K-435-11K-216-OP-SR-F1	435	216	773	349	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1702	851	524	330	289	145	330	289	483	
PLAS#250K-485-11K-216-OP-SR-F1	485	216	772	377	630	630	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1749	875	524	330	289	145	330	289	594	
PLAS#300K-535-13K-216-OP-SR-F1	535	216	827	379	680	680	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1806	903	524	330	289	145	330	289	680	
PLAS#350K-585-16K-216-OP-SR-F1*	585	216	804	397	730	730	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1824	912	547	436	390	251	487	441	890	
PLAS#400K-635-17K-216-OP-SR-F1*	635	216	804	397	785	785	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1824	912	547	436	390	251	487	441	1046	
PLAS#450K-685-21K-216-OP-SR-F1*	685	216	809	407	835	840	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1864	932	572	436	390	251	487	441	1155	
PLAS#200K-435-12K-318-OP-SR-F1	435	318	838	451	565	565	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2009	1005	664	330	289	145	330	289	417	

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#150K-385-9K-115-OP-SR-F1	1259	115	630	470	330	289	145	330	289	308
PLAS#150K-385-9K-115-OP-SR-F2	1235	115	618	470	330	289	145	330	289	300
PLAS#200K-435-12K-115-OP-SR-F1	1294	115	647	470	330	289	145	330	289	402
PLAS#200K-435-12K-115-OP-SR-F2	1247	115	624	470	330	289	145	330	289	341
PLAS#250K-485-13K-115-OP-SR-F1	1386	115	693	470	330	289	145	330	289	503
PLAS#250K-485-13K-115-OP-SR-F2	1339	115	670	470	330	289	145	330	289	490
PLAS#300K-535-14K-115-OP-SR-F1	1313	115	657	470	330	289	145	330	289	547
PLAS#300K-535-14K-115-OP-SR-F2	1368	115	684	470	330	289	145	330	289	556
PLAS#350K-585-16K-115-OP-SR-F2	1355	115	678	490	436	390	251	487	441	708
PLAS#350K-585-16K-115-OP-SR-F1	1360	115	680	490	436	390	251	487	441	714
PLAS#400K-635-19K-115-OP-SR-F2	1347	115	674	490	436	390	251	487	441	784
PLAS#400K-635-19K-115-OP-SR-F1	1343	115	672	490	436	390	251	487	441	790
PLAS#450K-685-21K-115-OP-SR-F1	1657	115	829	515	436	390	251	487	441	962
PLAS#450K-685-21K-115-OP-SR-F2	1375	115	688	515	436	390	251	487	441	896
PLAS#150K-385-9K-216-OP-SR-F1	1592	216	796	600	330	289	145	330	289	371
PLAS#200K-435-11K-216-OP-SR-F1	1778	216	889	600	330	289	145	330	289	487
PLAS#250K-485-11K-216-OP-SR-F1	1825	216	913	600	330	289	145	330	289	598
PLAS#300K-535-13K-216-OP-SR-F1	1882	216	941	600	330	289	145	330	289	684
PLAS#350K-585-16K-216-OP-SR-F1	1897	216	949	620	436	390	251	487	441	896
PLAS#400K-635-17K-216-OP-SR-F1	1897	216	949	620	436	390	251	487	441	1052
PLAS#450K-685-21K-216-OP-SR-F1	1937	216	969	645	436	390	251	487	441	1165
PLAS#200K-435-12K-318-OP-SR-F1	2009	318	1005	664	330	289	145	330	289	418

Biffi PLAS Spring-Return Actuators - Overall Dimensions - Spring Retracted - Fail Up - Manual Handwheel (MHW)



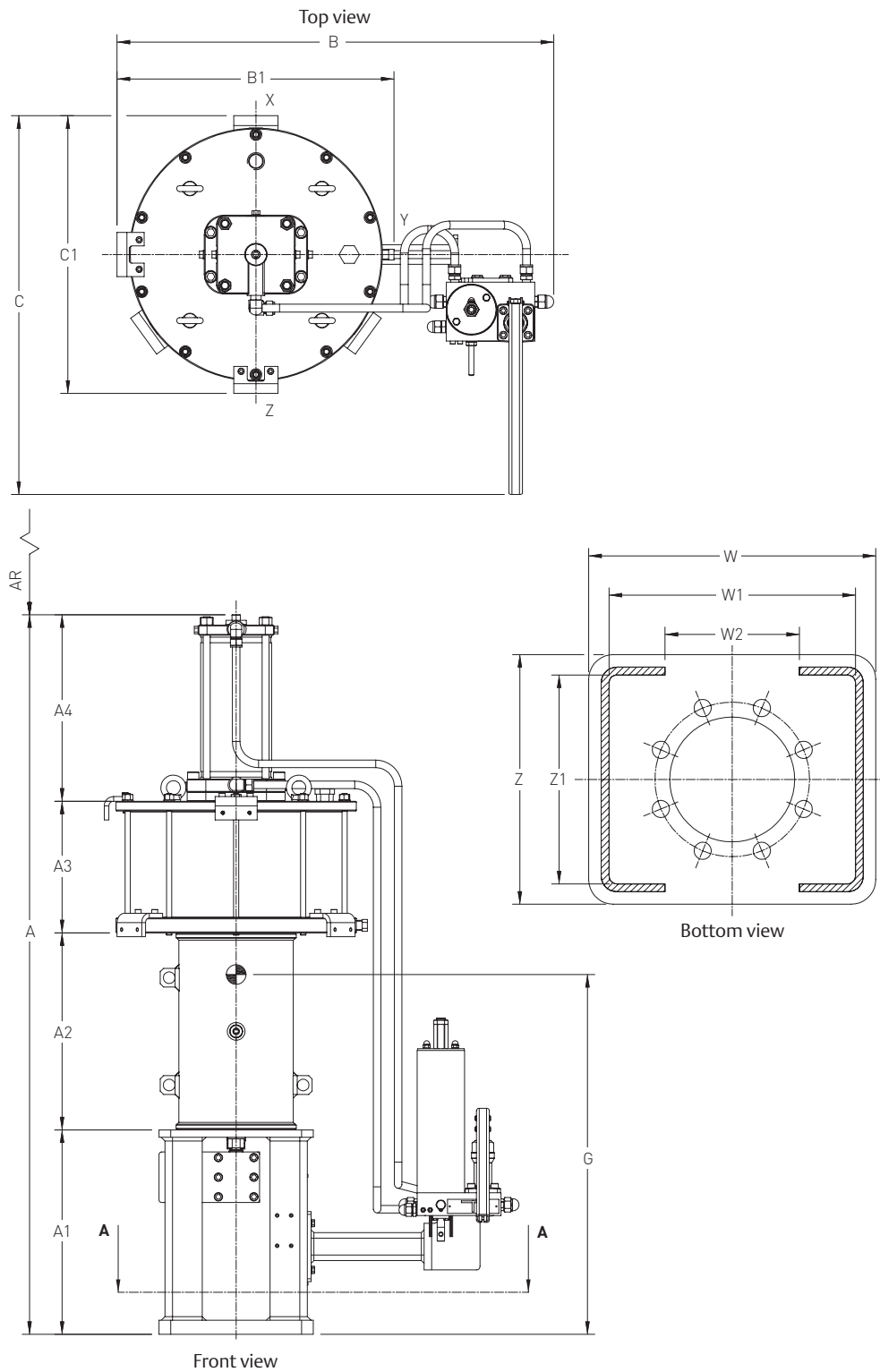
**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#100K-335-7K-115-OP-SR-F1-MHW to PLAS#150K-385-9K-216-OP-SR-F1-MHW**

Actuator model	Cylinder DN	Max travel	ØB/ A2 A3 A4 B B1 C C1								Pneumatic port (inch)		A G A1 W W1 W2 Z Z1 Weight kg									
											STD	OPT										
											T (top) / B (bottom)											
PLAS#100K-335-7K-115-OP-SR-F1-MHW	335	115	434	285	290	1250	415	390	-	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1286	643	438	292	251	137	254	213	239		
PLAS#150K-385-9K-115-OP-SR-F1-MHW	385	115	485	285	290	1400	415	390	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1368	684	438	330	289	145	330	289	325		
PLAS#150K-385-9K-115-OP-SR-F2-MHW	385	115	461	285	290	1400	415	390	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1344	672	438	330	289	145	330	289	316		
PLAS#100K-335-8K-216-OP-SR-F1-MHW	335	216	608	386	391	1250	467	444	-	3/4 (T) - 3/4 (B)	1 (T) - 3/4 (B)	1659	829	524	292	251	137	254	213	336		
PLAS#150K-385-9K-216-OP-SR-F1-MHW	385	216	587	386	391	1400	467	444	-	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1670	835	524	330	289	145	330	289	388		

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#150K-385-9K-115-OP-SR-F1-MHW	1400	115	700	470	330	289	145	330	289	327
PLAS#150K-385-9K-115-OP-SR-F2-MHW	1376	115	688	470	330	289	145	330	289	318
PLAS#150K-385-9K-216-OP-SR-F1-MHW	1746	216	873	600	330	289	145	330	289	392

Biffi PLAS Spring-Return Actuators - Overall Dimensions - Spring Retracted - Fail Up - Hydraulic Manual Override (MHP)



**Dimensions (mm) with Type 5 or 5H Valve Mounting Kit,
Models PLAS#200K-435-12K-115-OP-SR-F1-MHP to PLAS#200K-435-12K-318-OP-SR-F1-MHP**

Actuator model	Cylinder DN	Max travel	ØB/ A2 A3 A4 B B1 C C1								Pneumatic port (inch)		A G A1 W W1 W2 Z Z1										Weight kg
											STD	OPT											
											T (top) / B (bottom)												
PLAS#200K-435-12K-115-OP-SR-F1-MHP	435	115	520	282	334	890	415	772.5	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1485	743	438	330	289	145	330	289	471			
PLAS#200K-435-12K-115-OP-SR-F2-MHP	435	115	473	282	334	890	415	772.5	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1438	719	438	330	289	145	330	289	411			
PLAS#250K-485-13K-115-OP-SR-F1-MHP	485	115	564	313	340	950	415	805.0	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1672	836	438	330	289	145	330	289	595			
PLAS#250K-485-13K-115-OP-SR-F2-MHP	485	115	517	313	340	950	410	805.0	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1625	813	438	330	289	145	330	289	583			
PLAS#300K-535-14K-115-OP-SR-F1-MHP	535	115	489	317	340	1000	410	830.0	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1655	827	438	330	289	145	330	289	640			
PLAS#300K-535-14K-115-OP-SR-F2-MHP	535	115	544	317	340	1000	410	830.0	390	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1710	855	438	330	289	145	330	289	648			
PLAS#350K-585-16K-115-OP-SR-F1-MHP*	585	115	498	348	363	1050	467	855.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1809	904	461	436	390	251	487	441	817			
PLAS#350K-585-16K-115-OP-SR-F2-MHP*	585	115	493	348	363	1050	467	855.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1804	902	461	436	390	251	487	441	810			
PLAS#400K-635-19K-115-OP-SR-F1-MHP*	635	115	481	349	363	1105	467	882.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1870	935	461	436	390	251	487	441	893			
PLAS#400K-635-19K-115-OP-SR-F2-MHP*	635	115	485	349	363	1105	467	882.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	1874	937	461	436	390	251	487	441	886			
PLAS#450K-685-21K-115-OP-SR-F1-MHP*	685	115	760	373	353	1155	467	910.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2349	1175	486	436	390	251	487	441	1107			
PLAS#450K-685-21K-115-OP-SR-F2-MHP*	685	115	478	373	353	1155	467	910.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2067	1034	486	436	390	251	487	441	1041			
PLAS#200K-435-11K-216-OP-SR-F1-MHP	435	216	773	383	435	885	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	1943	972	524	330	289	145	330	289	560			
PLAS#250K-485-11K-216-OP-SR-F1-MHP	485	216	772	414	441	950	467	805.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2089	1045	524	330	289	145	330	289	695			
PLAS#300K-535-13K-216-OP-SR-F1-MHP	535	216	827	418	441	1000	467	830.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2204	1102	524	330	289	145	330	289	781			
PLAS#350K-585-16K-216-OP-SR-F1-MHP*	585	216	804	449	464	1050	467	855.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2331	1165	547	436	390	251	487	441	1005			
PLAS#400K-635-17K-216-OP-SR-F1-MHP*	635	216	804	450	465	1105	467	882.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2415	1208	547	436	390	251	487	441	1161			
PLAS#450K-685-21K-216-OP-SR-F1-MHP*	685	216	809	474	454	1155	467	910.0	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 1-1/4 (B)	2623	1311	572	436	390	251	487	441	1317			
PLAS#200K-435-12K-318-OP-SR-F1-MHP	435	318	838	485	536	885	467	772.5	444	3/4 (T) - 3/4 (B)	1-1/4 (T) - 3/4 (B)	2268	1134	664	330	289	145	330	289	498			

Dimensions (mm) with Type 7 Valve Mounting Kit

Actuator model	A	Max travel	G	A1	W	W1	W2	Z	Z1	Weight (kg)
PLAS#200K-435-12K-115-OP-SR-F1-MHP	1517	115	759	470	330	289	145	330	289	473
PLAS#200K-435-12K-115-OP-SR-F2-MHP	1470	115	735	470	330	289	145	330	289	413
PLAS#250K-485-13K-115-OP-SR-F1-MHP	1704	115	852	470	330	289	145	330	289	597
PLAS#250K-485-13K-115-OP-SR-F2-MHP	1657	115	829	470	330	289	145	330	289	585
PLAS#300K-535-14K-115-OP-SR-F1-MHP	1687	115	843	470	330	289	145	330	289	642
PLAS#300K-535-14K-115-OP-SR-F2-MHP	1742	115	871	470	330	289	145	330	289	650
PLAS#350K-585-16K-115-OP-SR-F1-MHP	1838	115	919	490	436	390	251	487	441	820
PLAS#350K-585-16K-115-OP-SR-F2-MHP	1833	115	916	490	436	390	251	487	441	813
PLAS#400K-635-19K-115-OP-SR-F1-MHP	1899	115	949	490	436	390	251	487	441	896
PLAS#400K-635-19K-115-OP-SR-F2-MHP	1903	115	951	490	436	390	251	487	441	889
PLAS#450K-685-21K-115-OP-SR-F1-MHP	2378	115	1189	515	436	390	251	487	441	1114
PLAS#450K-685-21K-115-OP-SR-F2-MHP	2096	115	1048	515	436	390	251	487	441	1048
PLAS#200K-435-11K-216-OP-SR-F1-MHP	2019	216	1010	600	330	289	145	330	289	564
PLAS#250K-485-11K-216-OP-SR-F1-MHP	2165	216	1083	600	330	289	145	330	289	699
PLAS#300K-535-13K-216-OP-SR-F1-MHP	2280	216	1140	600	330	289	145	330	289	785
PLAS#350K-585-16K-216-OP-SR-F1-MHP	2404	216	1202	620	436	390	251	487	441	1011
PLAS#400K-635-17K-216-OP-SR-F1-MHP	2488	216	1244	620	436	390	251	487	441	1167
PLAS#450K-685-21K-216-OP-SR-F1-MHP	2696	216	1348	645	436	390	251	487	441	1327
PLAS#200K-435-12K-318-OP-SR-F1-MHP	2268	318	1134	664	330	289	145	330	289	499

Manual Override Specifications

Manual Handwheel MHW

Manual override	Cylinder		Output thrust		Handwheel diameter		Turns per		Max. rim force required	
	mm	in	N	lbf	mm	in	mm of travel	inch of travel	N	lbf
MHW	280	11.0	32635	7337	850	33	0.2	4.2	437	98
MHW	335	13.2	46715	10502	1200	47	0.2	4.2	435	98
MHW	385	15.2	61700	13871	1400	55	0.2	4.2	489	110

Manual Handpump MHP

Manual override	Pneumatic cylinder		Hydraulic cylinder		Output thrust	
	mm	in	mm	in	N	lbf
MHP	435	17.1	135	5.3	78726	17698
MHP	485	19.1	175	6.9	132291	29740
MHP	535	21.1	175	6.9	132291	29740
MHP	585	23.0	200	7.9	172788	38844
MHP	635	25.0	200	7.9	172788	38844
MHP	685	27.0	235	9.3	238555	53629

Hydraulic hand pump specifications	Metric values	Metric units	Imperial values	Imperial units
Arm lever	450.0	mm	17.7	in
Maximum rim force required	337.0	N	1499.0	lbf
Displacement	25.6	cm ³	1.6	in ³

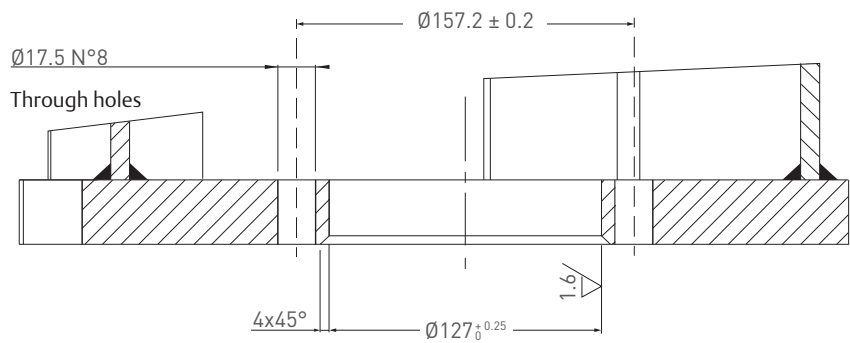
NOTE:

In case of different valve top mounting, contact sales office

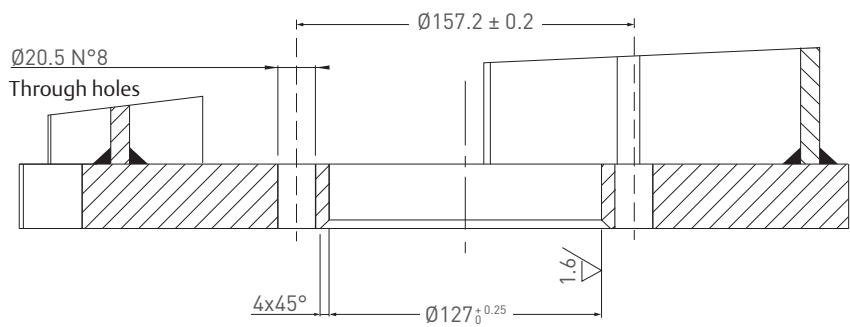
Valve Coupling Dimensions

Spool Flange Dimensions (mm)

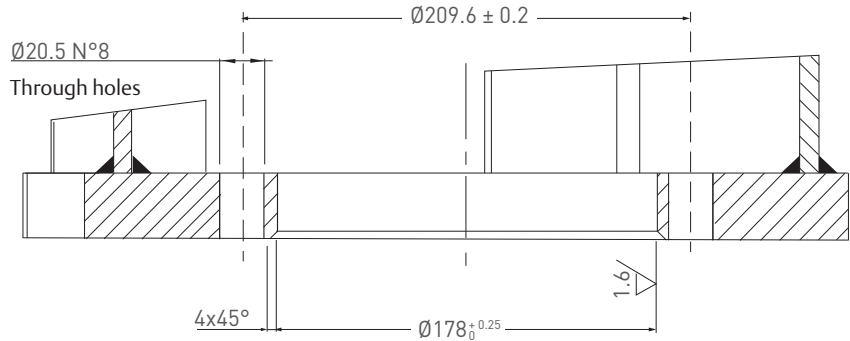
Type 5



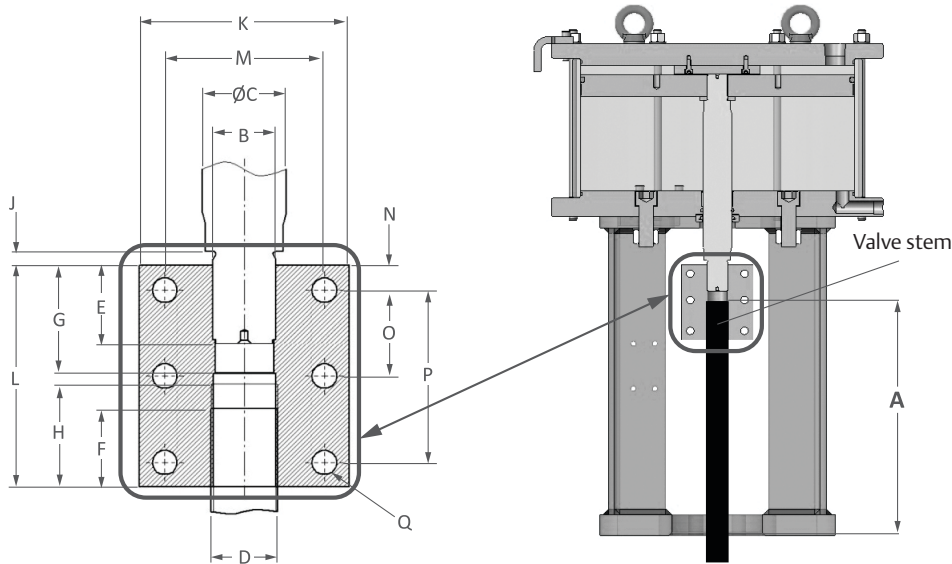
Type 5H



Type 7



Valve Stem Connector Dimensions

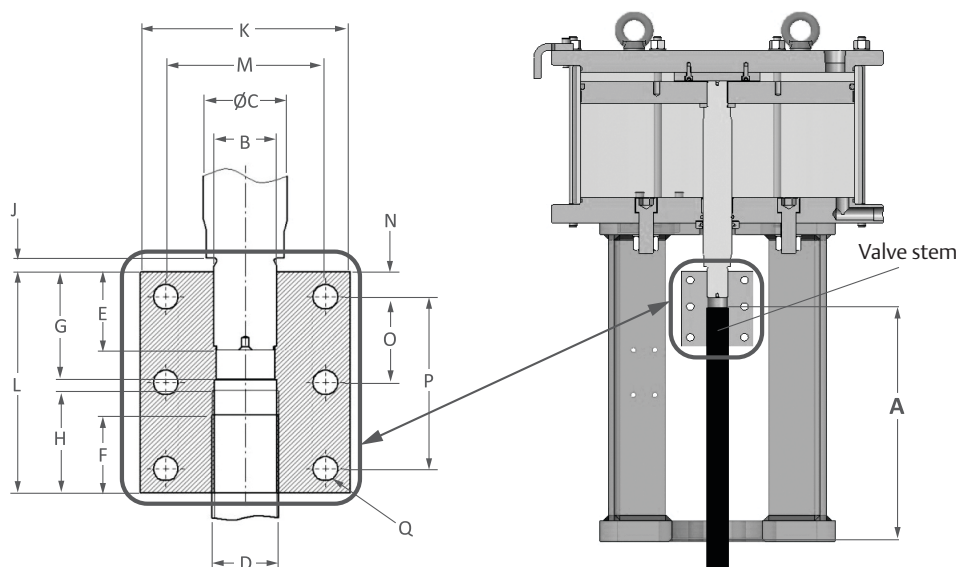


Dimensions in mm (inch)

Spool type Cylinder size	5 280-535	5H 280-535	5H 585-635
A	320.675 (12.625") (Travel ≤ 115 (4")) 406.4 (16") (115 (4") < Travel ≤ 216 (8"))	320.675 (12.625") (Travel ≤ 115 (4")) 406.4 (16") (115 (4") < Travel ≤ 216 (8")) 546.1 (21.5") (216 (8") < Travel ≤ 318 (12")) 647.7 (25.5") (318 (12") < Travel ≤ 420 (16")) 749.3 (29.5") (420 (16") < Travel ≤ 521 (20")) 850.9 (33.5") (521 (20") < Travel ≤ 623 (24"))	320.675 (12.625") (Travel ≤ 115 (4")) 406.4 (16") (115 (4") < Travel ≤ 216 (8")) 546.1 (21.5") (216 (8") < Travel ≤ 318 (12")) 647.7 (25.5") (318 (12") < Travel ≤ 420 (16")) 749.3 (29.5") (420 (16") < Travel ≤ 521 (20")) 850.9 (33.5") (521 (20") < Travel ≤ 623 (24"))
B	M30 x 2	M30 x 2	M48 x 3
C	40 (1.57")	40 (1.57")	60 (2.36")
D	1-14 UNS	1¼-12 UNF	1¼-12 UNF
E	38 (1.496")	38 (1.496")	38 (1.496")
F	38.1 (1.5")	38.1 (1.5")	38.1 (1.5")
G	50 (1.97")	50 (1.97")	50 (1.97")
H	48 (1.89")	50 (1.97")	44 (1.73")
J	7 (0.276")	7 (0.276")	20 (0.787")
K	100 (3.94")	100 (3.94")	100 (3.94")
L	108 (4.25")	108 (4.25")	108 (4.25")
M	76 (2.99")	76 (2.99")	70 (2.76")
N	12 (0.47")	12 (0.47")	15 (0.59")
O	42 (1.65")	42 (1.65")	39 (1.54")
P	42 (1.65")	42 (1.65")	39 (1.54")
Q	M12	M12	M16

NOTE:

In case of different valve top mounting, contact sales office



Spool type	7	7
Cylinder size	280-535	585-635
A	352.4 (13.875") (Travel ≤ 115 (4")) 431.8 (17") (115 (4") < Travel ≤ 165 (6")) 482.6 (19") (165 (6") < Travel ≤ 216 (8")) 546.1 (21.5") (216 (8") < Travel ≤ 318 (12")) 647.7 (25.5") (318 (12") < Travel ≤ 420 (16")) 749.3 (29.5") (420 (16") < Travel ≤ 521 (20")) 850.9 (33.5") (521 (20") < Travel ≤ 623 (24"))	352.4 (13.875") (Travel ≤ 115 (4")) 431.8 (17") (115 (4") < Travel ≤ 165 (6")) 482.6 (19") (165 (6") < Travel ≤ 216 (8")) 546.1 (21.5") (216 (8") < Travel ≤ 318 (12")) 647.7 (25.5") (318 (12") < Travel ≤ 420 (16")) 749.3 (29.5") (420 (16") < Travel ≤ 521 (20")) 850.9 (33.5") (521 (20") < Travel ≤ 623 (24"))
B	M30 x 2	M48 x 3
C	40 (1.57")	60 (2.36")
D	2-8 Un	2-8 UN
E	38 (1.496")	51 (2.008")
F	50.8 (2")	50.8 (2")
G	53 (2.09")	57 (2.24")
H	57 (2.24")	57 (2.24")
J	7 (0.276")	7 (0.276")
K	130 (5.12")	130 (5.12")
L	120 (4.72")	130 (5.12")
M	100 (3.94")	100 (3.94")
N	15 (0.59")	15 (0.59")
O	45 (1.77")	50 (1.97")
P	45 (1.77")	50 (1.97")
Q	M12	M16

NOTE:

In case of different valve top mounting, contact sales office

Biffi PLA / PLAS

Selection Guide

[illegible]

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