One Touch–in Fitting

How to Order?

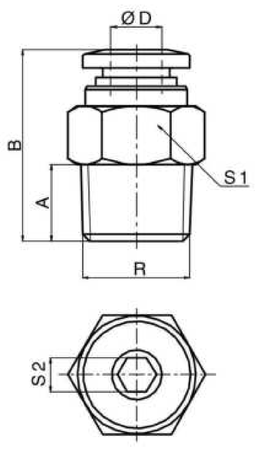
Series No.	Type No.	O.D. of Tube	—	Port Size	Thread Type
Z : Grey body and Orange release sleeve E : Black body and Blue release sleeve	PC PCF POC ···	04: 4mm 06: 6mm 08: 8mm 10: 10mm 12: 12mm 14: 14mm 16: 16mm	5/32: 5/32 " 3/16: 3/16 " 1/4: 1/4 " 5/16: 5/16 " 3/8: 3/8 " 1/2: 1/2 "	M5: M5 M6: M6 01: 1/8 " 02: 1/4 " 03: 3/8 " 04: 1/2 "	P: PT G: G T: NPT

Order Example:

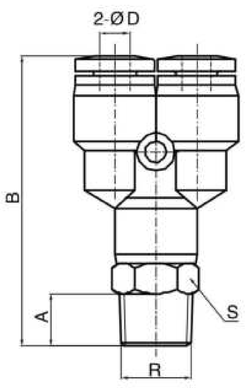
ZPC series One Touch–in Fitting, Grey body and Orange release sleeve, for 4mm OD tube, 1/8" G thread, ERP code ZPC04–01G

Metric Tubing–PT Thread

ZPC	Model	D	R	A	B	S1	S2	Main Dimension
	ZPC04–M5	4	M5	3.5	21.5	10	2	
	ZPC04–M6	4	M6	4.5	22.5	10	2	
	ZPC04–01P	4	PT1/8	7.5	20.2	10	3	
	ZPC04–02P	4	PT1/4	9.5	18.5	14	3	
	ZPC06–M5	6	M5	3.5	22.1	12	2	
	ZPC06–M6	6	M6	4.5	23.1	12	2	
	ZPC06–01P	6	PT1/8	7.5	21.1	12	4	
	ZPC06–02P	6	PT1/4	9.5	22.1	14	4	
	ZPC06–03P	6	PT3/8	10.5	21.1	17	4	
	ZPC06–04P	6	PT1/2	13.5	24.1	21	4	
	ZPC08–01P	8	PT1/8	7.5	26.4	14	5	
	ZPC08–02P	8	PT1/4	9.5	23.9	14	6	
	ZPC08–03P	8	PT3/8	10.5	21.9	17	6	
	ZPC08–04P	8	PT1/2	13.5	24.4	21	6	
	ZPC10–01P	10	PT1/8	7.5	29.5	17	5	
	ZPC10–02P	10	PT1/4	9.5	30.8	17	6	
	ZPC10–03P	10	PT3/8	10.5	27.7	17	8	
	ZPC10–04P	10	PT1/2	13.5	25.5	21	8	
	ZPC12–01P	12	PT1/8	7.5	32	20	5	
	ZPC12–02P	12	PT1/4	9.5	34	20	6	
	ZPC12–03P	12	PT3/8	10.5	30	20	8	
	ZPC12–04P	12	PT1/2	13.5	29	21	10	
	ZPC14–03P	14	PT3/8	10.5	35.3	22	–	
	ZPC14–04P	14	PT1/2	13.5	33.3	22	–	
	ZPC16–03P	16	PT3/8	10.5	36.5	24	–	
	ZPC16–04P	16	PT1/2	13.5	34.5	24	–	



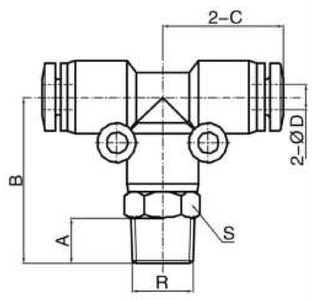
ZPWT	Model	D	R	A	B	S	Main Dimension
	ZPWT04–M5	4	M5	3.5	40.2	10	
	ZPWT04–M6	4	M6	4.5	41.2	10	
	ZPWT04–01P	4	PT1/8	7.5	41.2	10	
	ZPWT04–02P	4	PT1/4	9.5	45.5	14	
	ZPWT06–M5	6	M5	3.5	41.2	12	
	ZPWT06–M6	6	M6	4.5	42.2	12	
	ZPWT06–01P	6	PT1/8	7.5	44.2	12	
	ZPWT06–02P	6	PT1/4	9.5	46.2	14	
	ZPWT06–03P	6	PT3/8	10.5	47.2	17	
	ZPWT06–04P	6	PT1/2	13.5	50.2	21	
	ZPWT08–01P	8	PT1/8	7.5	46.9	14	
	ZPWT08–02P	8	PT1/4	9.5	48.9	14	
	ZPWT08–03P	8	PT3/8	10.5	49.9	17	
	ZPWT08–04P	8	PT1/2	13.5	52.9	21	
	ZPWT10–01P	10	PT1/8	7.5	56.1	17	
	ZPWT10–02P	10	PT1/4	9.5	58.1	17	
	ZPWT10–03P	10	PT3/8	10.5	59.1	17	
	ZPWT10–04P	10	PT1/2	13.5	62.1	21	
	ZPWT12–01P	12	PT1/8	7.5	58.8	19	
	ZPWT12–02P	12	PT1/4	9.5	60.8	19	
	ZPWT12–03P	12	PT3/8	10.5	61.8	19	
	ZPWT12–04P	12	PT1/2	13.5	64.8	21	
	ZPWT14–03P	14	PT3/8	10.5	65.4	24	
	ZPWT14–04P	14	PT1/2	13.5	68.4	24	
	ZPWT16–03P	16	PT3/8	10.5	68.5	24	
	ZPWT16–04P	16	PT1/2	13.5	71.5	24	



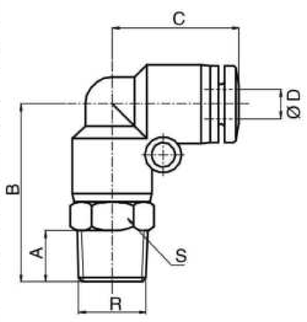
E•MC®

Metric Tubing–PT Thread

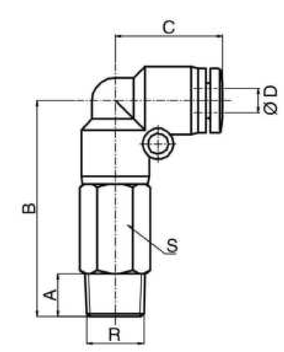
ZPB	Model	D	R	A	B	C	S	Main Dimension
	ZPB04–M5	4	M5	3.5	23	18.7	10	
	ZPB04–M6	4	M6	4.5	24	18.7	10	
	ZPB04–01P	4	PT1/8	7.5	26	18.7	10	
	ZPB04–02P	4	PT1/4	9.5	28	18.7	14	
	ZPB06–M5	6	M5	3.5	23.5	19.7	12	
	ZPB06–M6	6	M6	4.5	24.5	19.5	12	
	ZPB06–01P	6	PT1/8	7.5	26.5	19.5	12	
	ZPB06–02P	6	PT1/4	9.5	28.5	19.5	14	
	ZPB06–03P	6	PT3/8	10.5	29.5	19.5	17	
	ZPB06–04P	6	PT1/2	13.5	32.5	19.5	21	
	ZPB08–01P	8	PT1/8	7.5	29.5	22.6	14	
	ZPB08–02P	8	PT1/4	9.5	31.5	22.6	14	
	ZPB08–03P	8	PT3/8	10.5	32.5	22.6	17	
	ZPB08–04P	8	PT1/2	13.5	35.5	22.6	21	
	ZPB10–01P	10	PT1/8	7.5	34.5	28.5	17	
	ZPB10–02P	10	PT1/4	9.5	36.5	28.5	17	
	ZPB10–03P	10	PT3/8	10.5	37.5	28.5	17	
	ZPB10–04P	10	PT1/2	13.5	40.5	28.5	21	
	ZPB12–01P	12	PT1/8	7.5	35.5	29.3	19	
	ZPB12–02P	12	PT1/4	9.5	37.5	29.3	19	
	ZPB12–03P	12	PT3/8	10.5	38.5	29.3	19	
	ZPB12–04P	12	PT1/2	13.5	41.5	29.3	21	
	ZPB14–01P	14	PT1/8	7.5	37.5	29.8	24	
	ZPB14–02P	14	PT1/4	9.5	39.5	29.8	24	
	ZPB14–03P	14	PT3/8	10.5	39.7	29.8	24	
	ZPB14–04P	14	PT1/2	13.5	42.7	29.8	24	
	ZPB16–01P	16	PT1/8	7.5	38.5	33	24	
	ZPB16–02P	16	PT1/4	9.5	40.5	33	24	
	ZPB16–03P	16	PT3/8	10.5	41.1	33	24	
	ZPB16–04P	16	PT1/2	13.5	44.1	33	24	



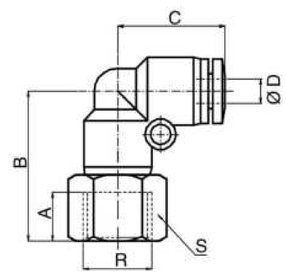
ZPL	Model	D	R	A	B	C	S	Main Dimension
	ZPL04–M5	4	M5	3.5	22	17.7	10	
	ZPL04–M6	4	M6	4.5	23	17.7	10	
	ZPL04–01P	4	PT1/8	7.5	25	17.7	10	
	ZPL04–02P	4	PT1/4	9.5	27	17.7	14	
	ZPL06–M5	6	M5	3.5	23.7	19.2	12	
	ZPL06–M6	6	M6	4.5	24.2	19.2	12	
	ZPL06–01P	6	PT1/8	7.5	26.2	19.2	12	
	ZPL06–02P	6	PT1/4	9.5	28.2	19.2	14	
	ZPL06–03P	6	PT3/8	10.5	29.2	19.2	17	
	ZPL06–04P	6	PT1/2	13.5	32.2	19.2	21	
	ZPL08–01P	8	PT1/8	7.5	29.5	22.6	14	
	ZPL08–02P	8	PT1/4	9.5	31.5	22.6	14	
	ZPL08–03P	8	PT3/8	10.5	32.5	22.6	17	
	ZPL08–04P	8	PT1/2	13.5	35.5	22.6	21	
	ZPL10–01P	10	PT1/8	7.5	33.8	27.8	17	
	ZPL10–02P	10	PT1/4	9.5	35.8	27.8	17	
	ZPL10–03P	10	PT3/8	10.5	36.8	27.8	17	
	ZPL10–04P	10	PT1/2	13.5	39.8	27.8	21	
	ZPL12–01P	12	PT1/8	7.5	35.5	29.3	19	
	ZPL12–02P	12	PT1/4	9.5	37.5	29.3	19	
	ZPL12–03P	12	PT3/8	10.5	38.5	29.3	19	
	ZPL12–04P	12	PT1/2	13.5	41.5	29.3	21	
	ZPL14–01P	14	PT1/8	7.5	37.5	30.6	24	
	ZPL14–02P	14	PT1/4	9.5	39.5	30.6	24	
	ZPL14–03P	14	PT3/8	10.5	40.5	30.6	24	
	ZPL14–04P	14	PT1/2	13.5	43.5	30.6	24	
	ZPL16–01P	16	PT1/8	7.5	38.5	33.3	24	
	ZPL16–02P	16	PT1/4	9.5	40.5	33.3	24	
	ZPL16–03P	16	PT3/8	10.5	43	33.3	24	
	ZPL16–04P	16	PT1/2	13.5	46	33.3	24	

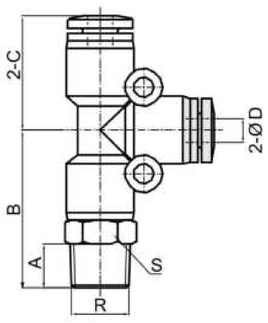


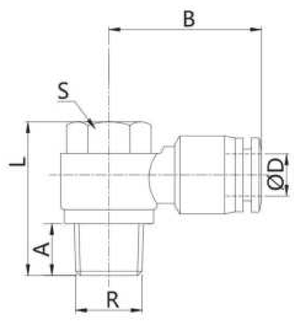
ZPLL	Model	D	R	A	B	C	S	Main Dimension
	ZPLL04–M5	4	M5	3.5	33	17.7	10	
	ZPLL04–M6	4	M6	4.5	33	17.7	10	
	ZPLL04–01P	4	PT1/8	7.5	36	17.7	10	
	ZPLL04–02P	4	PT1/4	9.5	39	17.7	14	
	ZPLL06–M5	6	M5	3.5	36.5	19.2	12	
	ZPLL06–M6	6	M6	4.5	38	19.2	12	
	ZPLL06–01P	6	PT1/8	7.5	39.7	19.2	12	
	ZPLL06–02P	6	PT1/4	9.5	42.2	19.2	14	
	ZPLL06–03P	6	PT3/8	10.5	43.7	19.2	17	
	ZPLL06–04P	6	PT1/2	13.5	47.2	19.2	21	
	ZPLL08–01P	8	PT1/8	7.5	44.5	22.6	14	
	ZPLL08–02P	8	PT1/4	9.5	45.5	22.6	14	
	ZPLL08–03P	8	PT3/8	10.5	47	22.6	17	
	ZPLL08–04P	8	PT1/2	13.5	50.5	22.6	21	
	ZPLL10–01P	10	PT1/8	7.5	54.3	27.8	17	
	ZPLL10–02P	10	PT1/4	9.5	56.3	27.8	17	
	ZPLL10–03P	10	PT3/8	10.5	57.3	27.8	17	
	ZPLL10–04P	10	PT1/2	13.5	60.8	27.8	21	
	ZPLL12–02P	12	PT1/4	9.5	61.5	29.3	19	
	ZPLL12–03P	12	PT3/8	10.5	62.5	29.3	19	
	ZPLL12–04P	12	PT1/2	13.5	65.5	29.3	21	

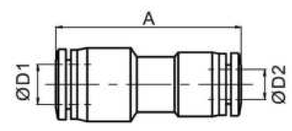


Metric Tubing–PT Thread

ZPLF	Model	D	R	A	B	C	S	Main Dimension
ΦD R	ZPLF04–01P	4	PT1/8	8	23.5	17.7	12	
	ZPLF04–02P	4	PT1/4	11	26.5	17.7	17	
	ZPLF06–01P	6	PT1/8	8	24.7	19.2	12	
	ZPLF06–02P	6	PT1/4	11	27.7	19.2	17	
	ZPLF06–03P	6	PT3/8	12	28.7	19.2	20	
	ZPLF06–04P	6	PT1/2	14	30.7	19.2	24	
	ZPLF08–01P	8	PT1/8	8	28	22.6	14	
	ZPLF08–02P	8	PT1/4	11	31	22.6	17	
	ZPLF08–03P	8	PT3/8	12	32	22.6	20	
	ZPLF08–04P	8	PT1/2	14	34	22.6	24	
	ZPLF10–01P	10	PT1/8	8	32.3	27.8	17	
	ZPLF10–02P	10	PT1/4	11	35.3	27.8	17	
	ZPLF10–03P	10	PT3/8	12	36.3	27.8	20	
	ZPLF10–04P	10	PT1/2	14	38.3	27.8	24	
	ZPLF12–02P	12	PT1/4	11	37.5	29.3	20	
	ZPLF12–03P	12	PT3/8	12	38.5	29.3	20	
	ZPLF12–04P	12	PT1/2	14	41	29.3	24	
	ZPLF14–03P	14	PT3/8	12	39	30.6	24	
	ZPLF14–04P	14	PT1/2	14	41	30.6	24	
	ZPLF16–03P	16	PT3/8	12	42.5	33.3	24	
	ZPLF16–04P	16	PT1/2	14	44.5	33.3	24	

ZPD	Model	D	R	A	B	C	S	Main Dimension
ΦD R	ZPD04–M5	4	M5	3.5	23	18.7	10	
	ZPD04–M6	4	M6	4.5	24	18.7	10	
	ZPD04–01P	4	PT1/8	7.5	26	18.7	10	
	ZPD04–02P	4	PT1/4	9.5	28	18.7	14	
	ZPD06–M5	6	M5	3.5	23.5	19.5	12	
	ZPD06–M6	6	M6	4.5	24.5	19.5	12	
	ZPD06–01P	6	PT1/8	7.5	26.5	19.5	12	
	ZPD06–02P	6	PT1/4	9.5	28.5	19.5	14	
	ZPD06–03P	6	PT3/8	10.5	29.5	19.5	17	
	ZPD06–04P	6	PT1/2	13.5	32.5	19.5	21	
	ZPD08–01P	8	PT1/8	7.5	29.5	22.6	14	
	ZPD08–02P	8	PT1/4	9.5	31.5	22.6	14	
	ZPD08–03P	8	PT3/8	10.5	32.5	22.6	17	
	ZPD08–04P	8	PT1/2	13.5	35.5	22.6	21	
	ZPD10–01P	10	PT1/8	7.5	34.5	28.5	17	
	ZPD10–02P	10	PT1/4	9.5	36.5	28.5	17	
	ZPD10–03P	10	PT3/8	10.5	37.5	28.5	17	
	ZPD10–04P	10	PT1/2	13.5	40.5	28.5	21	
	ZPD12–01P	12	PT1/8	7.5	35.5	29.3	19	
	ZPD12–02P	12	PT1/4	9.5	37.5	29.3	19	
	ZPD12–03P	12	PT3/8	10.5	38.5	29.3	19	
	ZPD12–04P	12	PT1/2	13.5	41.5	29.3	21	
	ZPD14–03P	14	PT3/8	10.5	39.7	29.8	24	
	ZPD14–04P	14	PT1/2	13.5	42.7	29.8	24	
	ZPD16–03P	16	PT3/8	10.5	41.1	31.9	24	
	ZPD16–04P	16	PT1/2	13.5	44.1	31.9	24	

ZPH	Model	D	R	A	B	S	L	Main Dimension
ΦD	ZPH04–M5	4	M5	3.5	20.2	8	17.9	
	ZPH04–01P	4	PT1/8	7	22.5	10	23.5	
	ZPH04–02P	4	PT1/4	9	25	14	26.3	
	ZPH06–M5	6	M5	3.5	22.1	8	17.9	
	ZPH06–01P	6	PT1/8	7	23.3	10	23.5	
	ZPH06–02P	6	PT1/4	9	25.8	14	26.3	
	ZPH06–03P	6	PT3/8	10	27.5	19	32	
	ZPH06–04P	6	PT1/2	13	30	24	38.6	
	ZPH08–01P	8	PT1/8	7	25.4	10	23.5	
	ZPH08–02P	8	PT1/4	9	28.5	14	26.3	
	ZPH08–03P	8	PT3/8	10	29.4	19	32	
	ZPH08–04P	8	PT1/2	13	32.4	24	38.6	
	ZPH10–01P	10	PT1/8	7	30.3	10	23.5	
	ZPH10–02P	10	PT1/4	9	32.6	14	26.3	
	ZPH10–03P	10	PT3/8	10	33.2	19	32	
	ZPH10–04P	10	PT1/2	13	36.2	24	38.6	
	ZPH12–01P	12	PT1/8	7	32.5	10	23.5	
	ZPH12–02P	12	PT1/4	9	34.7	14	26.3	
	ZPH12–03P	12	PT3/8	10	36.6	19	32	
	ZPH12–04P	12	PT1/2	13	39	24	38.6	

ZPG	Model	D1	D2	A	Main Dimension
ΦD1 D1>D2 ΦD2	ZPG06–04	6	4	35.4	
	ZPG08–04	8	4	37.8	
	ZPG08–06	8	6	37.8	
	ZPG10–06	10	6	42.8	
	ZPG10–08	10	8	42.8	
	ZPG12–08	12	8	48.5	
	ZPG12–10	12	10	48.5	

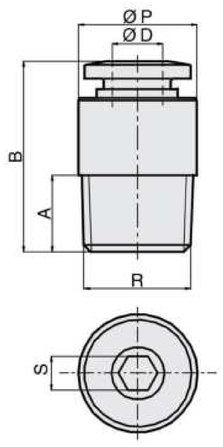
E•MC®

Metric Tubing–PT Thread

ZPOC

Model	D	R	A	B	P	S
ZPOC04–M5	4	M5	3.5	21.5	10	2
ZPOC04–M6	4	M6	4.5	22.5	10	2
ZPOC04–01P	4	PT1/8	7.5	20.2	10	3
ZPOC04–02P	4	PT1/4	9.5	18.5	14	3
ZPOC06–M5	6	M5	3.5	22.1	12	2
ZPOC06–M6	6	M6	4.5	23.1	12	2
ZPOC06–01P	6	PT1/8	7.5	21.1	12	4
ZPOC06–02P	6	PT1/4	9.5	22.1	14	4
ZPOC06–03P	6	PT3/8	10.5	21.1	17	4
ZPOC06–04P	6	PT1/2	13.5	24.1	21	4
ZPOC08–01P	8	PT1/8	7.5	26.4	14	5
ZPOC08–02P	8	PT1/4	9.5	23.9	14	6
ZPOC08–03P	8	PT3/8	10.5	21.9	17	6
ZPOC08–04P	8	PT1/2	13.5	24.4	21	6
ZPOC10–01P	10	PT1/8	7.5	29.5	17	5
ZPOC10–02P	10	PT1/4	9.5	30.8	17	6
ZPOC10–03P	10	PT3/8	10.5	27.7	17	8
ZPOC10–04P	10	PT1/2	13.5	25.5	21	8
ZPOC12–01P	12	PT1/8	7.5	32	20	5
ZPOC12–02P	12	PT1/4	9.5	34	20	6
ZPOC12–03P	12	PT3/8	10.5	30	20	8
ZPOC12–04P	12	PT1/2	13.5	29	21	10

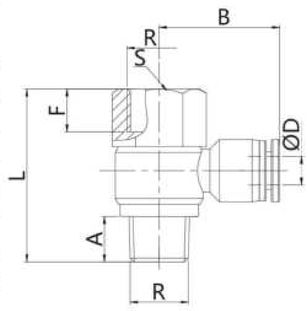
Main Dimension



ZPHF

Model	D	R	A	B	S	F	L
ZPHF04–M5	4	M5	3.5	20.2	8	4.5	18.7
ZPHF04–01P	4	PT1/8	7	22.5	12	7	28.1
ZPHF04–02P	4	PT1/4	9	25	17	10	33
ZPHF06–M5	6	M5	3.5	22.1	8	4.5	18.7
ZPHF06–01P	6	PT1/8	7	23.3	12	7	28.1
ZPHF06–02P	6	PT1/4	9	25.8	17	10	33
ZPHF06–03P	6	PT3/8	10	27.5	19	11	41.7
ZPHF06–04P	6	PT1/2	13	30	24	13	47.4
ZPHF08–01P	8	PT1/8	7	25.4	12	7	28.1
ZPHF08–02P	8	PT1/4	9	28.5	17	10	33
ZPHF08–03P	8	PT3/8	10	29.4	19	11	41.7
ZPHF08–04P	8	PT1/2	13	32.4	24	13	47.4
ZPHF10–01P	10	PT1/8	7	30.3	12	7	28.1
ZPHF10–02P	10	PT1/4	9	32.6	17	10	33
ZPHF10–03P	10	PT3/8	10	33.2	19	11	41.7
ZPHF10–04P	10	PT1/2	13	36.2	24	13	47.4
ZPHF12–01P	12	PT1/8	7	32.5	12	7	28.1
ZPHF12–02P	12	PT1/4	9	34.7	17	10	33
ZPHF12–03P	12	PT3/8	10	36.6	19	11	41.7
ZPHF12–04P	12	PT1/2	13	39	24	13	47.4

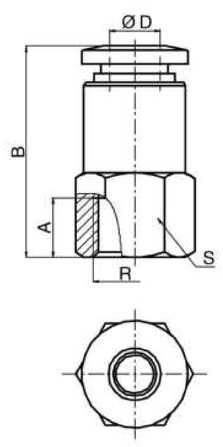
Main Dimension



ZPCF

Model	D	R	A	B	S
ZPCF04–01P	4	PT1/8	8	24.7	12
ZPCF04–02P	4	PT1/4	11	27.7	17
ZPCF06–01P	6	PT1/8	8	25.2	12
ZPCF06–02P	6	PT1/4	11	28.2	17
ZPCF06–03P	6	PT3/8	12	29.2	20
ZPCF06–04P	6	PT1/2	14	31.2	24
ZPCF08–01P	8	PT1/8	8	26.9	14
ZPCF08–02P	8	PT1/4	11	29.9	17
ZPCF08–03P	8	PT3/8	12	30.9	20
ZPCF08–04P	8	PT1/2	14	32.9	24
ZPCF10–01P	10	PT1/8	8	29.9	17
ZPCF10–02P	10	PT1/4	11	32.9	17
ZPCF10–03P	10	PT3/8	12	33.9	20
ZPCF10–04P	10	PT1/2	14	35.9	24
ZPCF12–01P	12	PT1/8	8	31.5	20
ZPCF12–02P	12	PT1/4	11	34.5	20
ZPCF12–03P	12	PT3/8	12	35.5	20
ZPCF12–04P	12	PT1/2	14	37.5	24

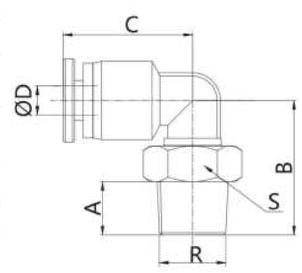
Main Dimension



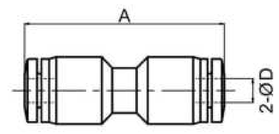
ZPLN

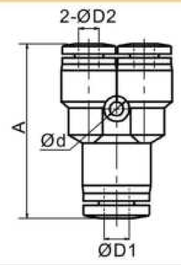
Model	D	R	A	B	C	S
ZPLN04–01P	4	PT1/8	7.5	18.5	17.7	12
ZPLN04–02P	4	PT1/4	9.5	20.5	17.7	14
ZPLN06–01P	6	PT1/8	7.5	21	19.2	12
ZPLN06–02P	6	PT1/4	9.5	23	19.2	14
ZPLN06–03P	6	PT3/8	10.5	24	19.2	17
ZPLN06–04P	6	PT1/2	13.5	27	19.2	21
ZPLN08–01P	8	PT1/8	7.5	25	21.6	14
ZPLN08–02P	8	PT1/4	9.5	24	21.6	14
ZPLN08–03P	8	PT3/8	10.5	25	21.6	17
ZPLN08–04P	8	PT1/2	13.5	28	21.6	21
ZPLN10–01P	10	PT1/8	7.5	28	25.5	17
ZPLN10–02P	10	PT1/4	9.5	28	25.5	17
ZPLN10–03P	10	PT3/8	10.5	28	25.5	17
ZPLN10–04P	10	PT1/2	13.5	29	25.5	21
ZPLN12–01P	12	PT1/8	7.5	30.5	31	17
ZPLN12–02P	12	PT1/4	9.5	30.5	31	17
ZPLN12–03P	12	PT3/8	10.5	30.5	31	17
ZPLN12–04P	12	PT1/2	13.5	31.5	31	21

Main Dimension

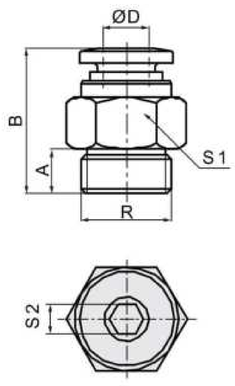


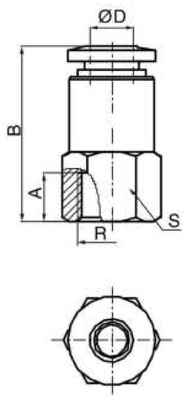
Metric Tubing–PT Thread

ZPU	Model	D	A	Main Dimension
ΦD	ZPU04	4	33.4	
	ZPU06	6	35.6	
	ZPU08	8	38.7	
	ZPU10	10	48.2	
	ZPU12	12	48.6	
	ZPU14	14	48.2	
	ZPU16	16	49.6	

ZPW	Model	D1	D2	A	d	Main Dimension
ΦD1 ΦD2 D1>D2	ZPW06–04	6	4	36	3.2	
	ZPW08–06	8	6	39	3.2	
	ZPW10–08	10	8	49	4.2	
	ZPW12–10	12	10	53	4.2	

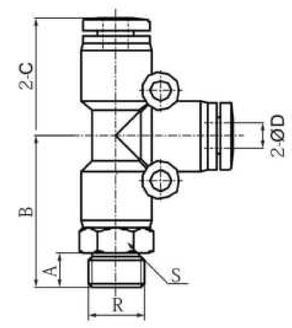
Metric Tubing–G Thread

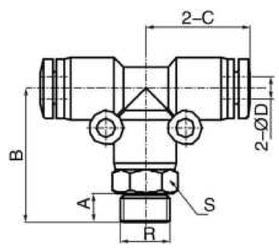
ZPC	Model	D	R	A	B	S1	S2	Main Dimension
R ΦD	ZPC04–01G	4	G1/8	5	19.2	12	3	
	ZPC04–02G	4	G1/4	6.5	18.2	17	3	
	ZPC06–01G	6	G1/8	5	20.1	12	4	
	ZPC06–02G	6	G1/4	6.5	21.1	17	4	
	ZPC06–03G	6	G3/8	7	20.6	20	4	
	ZPC06–04G	6	G1/2	10	23.1	24	4	
	ZPC08–01G	8	G1/8	5	25.4	14	5	
	ZPC08–02G	8	G1/4	6.5	22.9	17	6	
	ZPC08–03G	8	G3/8	7	22.4	20	6	
	ZPC08–04G	8	G1/2	10	23.4	24	6	
	ZPC10–01G	10	G1/8	5	27.8	17	5	
	ZPC10–02G	10	G1/4	6.5	29.3	17	6	
	ZPC10–03G	10	G3/8	7	26	20	8	
	ZPC10–04G	10	G1/2	10	26	24	8	
	ZPC12–01G	12	G1/8	5	30.5	20	5	
	ZPC12–02G	12	G1/4	6.5	32.5	20	6	
	ZPC12–03G	12	G3/8	7	30	20	8	
	ZPC12–04G	12	G1/2	10	31	24	10	
	ZPC14–02G	14	G1/4	6.5	32.1	22	–	
	ZPC14–03G	14	G3/8	7	32.6	22	–	
	ZPC14–04G	14	G1/2	10	35.6	24	–	
	ZPC16–02G	16	G1/4	6.5	34	24	–	
	ZPC16–03G	16	G3/8	7	34	24	–	
	ZPC16–04G	16	G1/2	10	37	24	–	

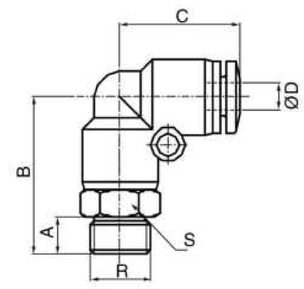
ZPCF	Model	D	R	A	B	S	Main Dimension
ΦD	ZPCF04–01G	4	G1/8	8	24.7	12	
	ZPCF04–02G	4	G1/4	11	27.7	17	
	ZPCF06–01G	6	G1/8	8	25.2	12	
	ZPCF06–02G	6	G1/4	11	28.2	17	
	ZPCF06–03G	6	G3/8	12	29.2	20	
	ZPCF06–04G	6	G1/2	14	31.2	24	
	ZPCF08–01G	8	G1/8	8	26.9	14	
	ZPCF08–02G	8	G1/4	11	29.9	17	
	ZPCF08–03G	8	G3/8	12	30.9	20	
	ZPCF08–04G	8	G1/2	14	32.9	24	
	ZPCF10–01G	10	G1/8	8	29.9	17	
	ZPCF10–02G	10	G1/4	11	32.9	17	
	ZPCF10–03G	10	G3/8	12	33.9	20	
	ZPCF10–04G	10	G1/2	14	35.9	24	
	ZPCF12–01G	12	G1/8	8	315	20	
	ZPCF12–02G	12	G1/4	11	34.5	20	
	ZPCF12–03G	12	G3/8	12	35.5	20	
	ZPCF12–04G	12	G1/2	14	37.5	24	
	ZPCF14–02G	14	G1/4	11	36	22	
	ZPCF14–03G	14	G3/8	12	37	22	
	ZPCF14–04G	14	G1/2	14	39	24	
	ZPCF16–02G	16	G1/4	11	36	24	
	ZPCF16–03G	16	G3/8	12	37	24	
	ZPCF16–04G	16	G1/2	14	39	24	

E•MC®

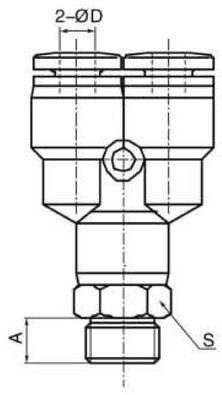
Metric Tubing–G Thread

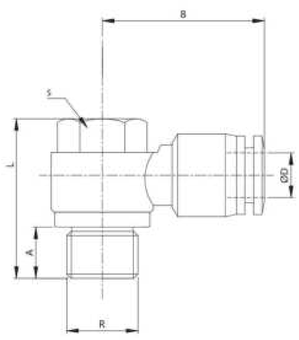
ZPD	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPD04–01G	4	G1/8	5	23.5	18.7	12	
	ZPD04–02G	4	G1/4	6.5	25	18.7	17	
	ZPD06–01G	6	G1/8	5	24	19.5	12	
	ZPD06–02G	6	G1/4	6.5	25.5	19.5	17	
	ZPD06–03G	6	G3/8	7	26	19.5	20	
	ZPD06–04G	6	G1/2	10	30	19.5	24	
	ZPD08–01G	8	G1/8	5	27	22.6	14	
	ZPD08–02G	8	G1/4	6.5	28.5	22.6	17	
	ZPD08–03G	8	G3/8	7	29	22.6	20	
	ZPD08–04G	8	G1/2	10	33	22.6	24	
	ZPD10–01G	10	G1/8	5	32	28.5	17	
	ZPD10–02G	10	G1/4	6.5	33.5	28.5	17	
	ZPD10–03G	10	G3/8	7	34	28.5	20	
	ZPD10–04G	10	G1/2	10	38	28.5	24	
	ZPD12–01G	12	G1/8	5	33	29.3	19	
	ZPD12–02G	12	G1/4	6.5	34.5	29.3	19	
	ZPD12–03G	12	G3/8	7	35	29.3	20	
	ZPD12–04G	12	G1/2	10	39	29.3	24	
	ZPD14–02G	14	G1/4	6.5	35.7	29.8	22	
	ZPD14–03G	14	G3/8	7	36.2	29.8	22	
	ZPD14–04G	14	G1/2	10	39.2	29.8	24	
	ZPD16–02G	16	G1/4	6.5	37.6	31.9	24	
	ZPD16–03G	16	G3/8	7	38.1	31.9	24	
	ZPD16–04G	16	G1/2	10	41.1	31.9	24	

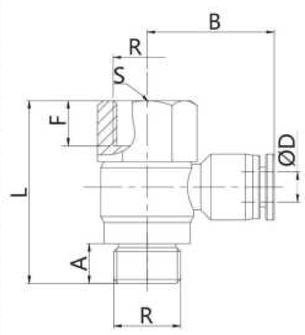
ZPB	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPB04–01G	4	G1/8	5	23.5	18.7	12	
	ZPB04–02G	4	G1/4	6.5	25	18.7	17	
	ZPB06–01G	6	G1/8	5	24	19.5	12	
	ZPB06–02G	6	G1/4	6.5	25.5	19.5	17	
	ZPB06–03G	6	G3/8	7	26	19.5	20	
	ZPB06–04G	6	G1/2	10	30	19.5	24	
	ZPB08–01G	8	G1/8	5	27	22.6	14	
	ZPB08–02G	8	G1/4	6.5	28.5	22.6	17	
	ZPB08–03G	8	G3/8	7	29	22.6	20	
	ZPB08–04G	8	G1/2	10	33	22.6	24	
	ZPB10–01G	10	G1/8	5	32	28.5	17	
	ZPB10–02G	10	G1/4	6.5	33.5	28.5	17	
	ZPB10–03G	10	G3/8	7	34	28.5	20	
	ZPB10–04G	10	G1/2	10	38	28.5	24	
	ZPB12–01G	12	G1/8	5	33	29.3	19	
	ZPB12–02G	12	G1/4	6.5	34.5	29.3	19	
	ZPB12–03G	12	G3/8	7	35	29.3	20	
	ZPB12–04G	12	G1/2	10	39	29.3	24	
	ZPB14–02G	14	G1/4	6.5	35.7	29.8	22	
	ZPB14–03G	14	G3/8	7	36.2	29.8	22	
	ZPB14–04G	14	G1/2	10	39.2	29.8	24	
	ZPB16–02G	16	G1/4	6.5	37.6	31.9	24	
	ZPB16–03G	16	G3/8	7	38.1	31.9	24	
	ZPB16–04G	16	G1/2	10	41.1	31.9	24	

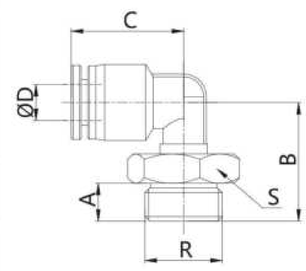
ZPL	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPL04–01G	4	G1/8	5	22.5	17.7	12	
	ZPL04–02G	4	G1/4	6.5	24	17.7	17	
	ZPL06–01G	6	G1/8	5	24	19.2	12	
	ZPL06–02G	6	G1/4	6.5	26	19.2	17	
	ZPL06–03G	6	G3/8	7	27	19.2	20	
	ZPL06–04G	6	G1/2	10	30.5	19.2	24	
	ZPL08–01G	8	G1/8	5	27	22.6	14	
	ZPL08–02G	8	G1/4	6.5	28.5	22.6	17	
	ZPL08–03G	8	G3/8	7	29	22.6	20	
	ZPL08–04G	8	G1/2	10	33	22.6	24	
	ZPL10–01G	10	G1/8	5	31.8	27.8	17	
	ZPL10–02G	10	G1/4	6.5	33.3	27.8	17	
	ZPL10–03G	10	G3/8	7	33.8	27.8	20	
	ZPL10–04G	10	G1/2	10	37.3	27.8	24	
	ZPL12–01G	12	G1/8	5	33	29.3	19	
	ZPL12–02G	12	G1/4	6.5	34.5	29.3	19	
	ZPL12–03G	12	G3/8	7	35	29.3	20	
	ZPL12–04G	12	G1/2	10	39	29.3	24	
	ZPL14–02G	14	G1/4	6.5	36.5	30.6	24	
	ZPL14–03G	14	G3/8	7	37	30.6	24	
	ZPL14–04G	14	G1/2	10	40	30.6	24	
	ZPL16–02G	16	G1/4	6.5	39	33.3	24	
	ZPL16–03G	16	G3/8	7	39.5	33.3	24	
	ZPL16–04G	16	G1/2	10	42.5	33.3	24	

Metric Tubing–G Thread

ZPWT	Model	D	R	A	B	S	Main Dimension
ΦD	ZPWT04–01G	4	G1/8	5	40.4	12	
	ZPWT04–02G	4	G1/4	6.5	41.9	17	
	ZPWT06–01G	6	G1/8	5	41.7	12	
	ZPWT06–02G	6	G1/4	6.5	43.2	17	
	ZPWT06–03G	6	G3/8	7	43.7	20	
	ZPWT06–04G	6	G1/2	10	46.7	24	
	ZPWT08–01G	8	G1/8	5	44.3	14	
	ZPWT08–02G	8	G1/4	6.5	45.8	17	
	ZPWT08–03G	8	G3/8	7	46.8	20	
	ZPWT08–04G	8	G1/2	10	49.8	24	
	ZPWT10–01G	10	G1/8	5	53.6	17	
	ZPWT10–02G	10	G1/4	6.5	55.1	17	
	ZPWT10–03G	10	G3/8	7	55.6	20	
	ZPWT10–04G	10	G1/2	10	58.6	24	
	ZPWT12–01G	12	G1/8	5	56.3	19	
	ZPWT12–02G	12	G1/4	6.5	57.8	19	
	ZPWT12–03G	12	G3/8	7	58.3	20	
	ZPWT12–04G	12	G1/2	10	61.3	24	
	ZPWT14–02G	14	G1/4	6.5	61.4	22	
	ZPWT14–03G	14	G3/8	7	61.9	22	
	ZPWT14–04G	14	G1/2	10	64.9	24	
	ZPWT16–02G	16	G1/4	6.5	64.5	24	
	ZPWT16–03G	16	G3/8	7	65	24	
	ZPWT16–04G	16	G1/2	10	68	24	

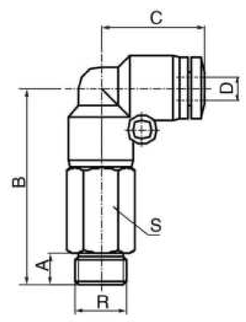
ZPH	Model	D	R	A	B	S	L	Main Dimension
ΦD	ZPH04–01G	4	PT1/8	5	22.5	10	23.6	
	ZPH04–02G	4	PT1/4	6.5	25	14	27.5	
	ZPH06–01G	6	PT1/8	5	23.3	10	23.6	
	ZPH06–02G	6	PT1/4	6.5	25.8	14	27.5	
	ZPH06–03G	6	PT3/8	7	27.5	19	34	
	ZPH06–04G	6	PT1/2	10	30	24	38.1	
	ZPH08–01G	8	PT1/8	5	25.4	10	23.6	
	ZPH08–02G	8	PT1/4	6.5	28.5	14	27.5	
	ZPH08–03G	8	PT3/8	7	29.4	19	34	
	ZPH08–04G	8	PT1/2	10	32.4	24	38.1	
	ZPH10–01G	10	PT1/8	5	30.3	10	23.6	
	ZPH10–02G	10	PT1/4	6.5	32.6	14	27.5	
	ZPH10–03G	10	PT3/8	7	33.2	19	34	
	ZPH10–04G	10	PT1/2	10	36.2	24	38.1	
	ZPH12–01G	12	PT1/8	5	32.5	10	23.6	
	ZPH12–02G	12	PT1/4	6.5	34.7	14	27.5	
	ZPH12–03G	12	PT3/8	7	36.6	19	34	
	ZPH12–04G	12	PT1/2	10	39	24	38.1	

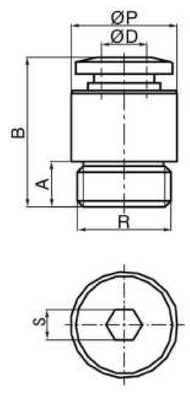
ZPHF	Model	D	R	A	B	S	F	L	Main Dimension
ΦD	ZPHF04–01G	4	PT1/8	5	22.5	12	7	30	
	ZPHF04–02G	4	PT1/4	6.5	25	17	10	36	
	ZPHF06–01G	6	PT1/8	5	23.3	12	7	30	
	ZPHF06–02G	6	PT1/4	6.5	25.8	17	10	36	
	ZPHF06–03G	6	PT3/8	7	27.5	19	11	42.7	
	ZPHF06–04G	6	PT1/2	10	30	24	13	48.5	
	ZPHF08–01G	8	PT1/8	5	25.4	12	7	30	
	ZPHF08–02G	8	PT1/4	6.5	28.5	17	10	36	
	ZPHF08–03G	8	PT3/8	7	29.4	19	11	42.7	
	ZPHF08–04G	8	PT1/2	10	32.4	24	13	48.5	
	ZPHF10–01G	10	PT1/8	5	30.3	12	7	30	
	ZPHF10–02G	10	PT1/4	6.5	32.6	17	10	36	
	ZPHF10–03G	10	PT3/8	7	33.2	19	11	42.7	
	ZPHF10–04G	10	PT1/2	10	36.2	24	13	48.5	
	ZPHF12–01G	12	PT1/8	5	32.5	12	7	30	
	ZPHF12–02G	12	PT1/4	6.5	34.7	17	10	36	
	ZPHF12–03G	12	PT3/8	7	36.6	19	11	42.7	
	ZPHF12–04G	12	PT1/2	10	39	24	13	48.5	

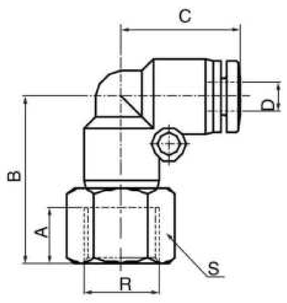
ZPLN	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPLN04–01G	4	G1/8	5	18	17.7	12	
	ZPLN04–02G	4	G1/4	6.5	19.5	17.7	17	
	ZPLN06–01G	6	G1/8	5	20.5	19.2	12	
	ZPLN06–02G	6	G1/4	6.5	22	19.2	17	
	ZPLN06–03G	6	G3/8	7	22.5	19.2	20	
	ZPLN06–04G	6	G1/2	10	22.5	19.2	24	
	ZPLN08–01G	8	G1/8	5	24	21.6	14	
	ZPLN08–02G	8	G1/4	6.5	23	21.6	17	
	ZPLN08–03G	8	G3/8	7	23.5	21.6	20	
	ZPLN08–04G	8	G1/2	10	28.5	21.6	24	
	ZPLN10–01G	10	G1/8	5	27.5	25.5	17	
	ZPLN10–02G	10	G1/4	6.5	27	25.5	17	
	ZPLN10–03G	10	G3/8	7	27.5	25.5	20	
	ZPLN10–04G	10	G1/2	10	28.5	25.5	24	
	ZPLN12–01G	12	G1/8	5	30	31	17	
	ZPLN12–02G	12	G1/4	6.5	29.5	31	17	
	ZPLN12–03G	12	G3/8	7	30	31	20	
	ZPLN12–04G	12	G1/2	10	31	31	24	

E•MC®

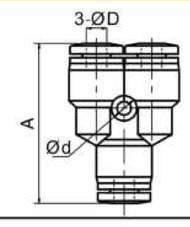
Metric Tubing–G Thread

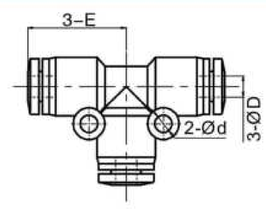
ZPLL	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPLL04-01G	4	G1/8	5	33.5	17.7	12	
	ZPLL04-02G	4	G1/4	6.5	36.5	17.7	17	
	ZPLL06-01G	6	G1/8	5	37.2	19.2	12	
	ZPLL06-02G	6	G1/4	6.5	39.2	19.2	17	
	ZPLL06-03G	6	G3/8	7	40.2	19.2	20	
	ZPLL06-04G	6	G1/2	10	43.7	19.2	24	
	ZPLL08-01G	8	G1/8	5	42	22.6	14	
	ZPLL08-02G	8	G1/4	6.5	42.5	22.6	17	
	ZPLL08-03G	8	G3/8	7	43.5	22.6	20	
	ZPLL08-04G	8	G1/2	10	47	22.6	24	
	ZPLL10-01G	10	G1/8	5	50.3	27.8	17	
	ZPLL10-02G	10	G1/4	6.5	53.3	27.8	17	
	ZPLL10-03G	10	G3/8	7	53.8	27.8	20	
	ZPLL10-04G	10	G1/2	10	57.3	27.8	24	
	ZPLL12-02G	12	G1/4	6.5	57	29.3	19	
	ZPLL12-03G	12	G3/8	7	59	29.3	20	
	ZPLL12-04G	12	G1/2	10	62	29.3	24	

ZPOC	Model	D	R	A	B	P	S	Main Dimension
ΦD	ZPOC04-01G	4	G1/8	5	19.2	12	3	
	ZPOC04-02G	4	G1/4	6.5	18.2	17	3	
	ZPOC06-01G	6	G1/8	5	20.1	12	4	
	ZPOC06-02G	6	G1/4	6.5	21.1	17	4	
	ZPOC06-03G	6	G3/8	7	20.6	20	4	
	ZPOC06-04G	6	G1/2	10	23.1	24	4	
	ZPOC08-01G	8	G1/8	5	25.4	14	5	
	ZPOC08-02G	8	G1/4	6.5	22.9	17	6	
	ZPOC08-03G	8	G3/8	7	22.4	20	6	
	ZPOC08-04G	8	G1/2	10	23.4	24	6	
	ZPOC10-01G	10	G1/8	5	27.8	17	5	
	ZPOC10-02G	10	G1/4	6.5	29.3	17	6	
	ZPOC10-03G	10	G3/8	7	26	20	8	
	ZPOC10-04G	10	G1/2	10	26	24	8	
	ZPOC12-01G	12	G1/8	5	30.5	20	5	
	ZPOC12-02G	12	G1/4	6.5	32.5	20	6	
	ZPOC12-03G	12	G3/8	7	30	20	8	
	ZPOC12-04G	12	G1/2	10	31	24	10	

ZPLF	Model	D	R	A	B	C	S	Main Dimension
ΦD	ZPLF04-01G	4	G1/8	8	23.5	17.7	12	
	ZPLF04-02G	4	G1/4	11	26.5	17.7	17	
	ZPLF06-01G	6	G1/8	8	24.7	19.2	12	
	ZPLF06-02G	6	G1/4	11	27.7	19.2	17	
	ZPLF06-03G	6	G3/8	12	28.7	19.2	20	
	ZPLF06-04G	6	G1/2	14	30.7	19.2	24	
	ZPLF08-01G	8	G1/8	8	28	22.6	14	
	ZPLF08-02G	8	G1/4	11	31	22.6	17	
	ZPLF08-03G	8	G3/8	12	32	22.6	20	
	ZPLF08-04G	8	G1/2	14	34	22.6	24	
	ZPLF10-01G	10	G1/8	8	32.3	27.8	17	
	ZPLF10-02G	10	G1/4	11	35.3	27.8	17	
	ZPLF10-03G	10	G3/8	12	36.3	27.8	20	
	ZPLF10-04G	10	G1/2	14	38.3	27.8	24	
	ZPLF12-02G	12	G1/4	11	37.5	29.3	20	
	ZPLF12-03G	12	G3/8	12	38.5	29.3	20	
	ZPLF12-04G	12	G1/2	14	41	29.3	24	
	ZPLF14-02G	14	G1/4	11	38	30.6	22	
	ZPLF14-03G	14	G3/8	12	39	30.6	22	
	ZPLF14-04G	14	G1/2	14	41	30.6	24	
	ZPLF16-02G	16	G1/4	11	41.5	33.3	24	
	ZPLF16-03G	16	G3/8	12	42.5	33.3	24	
	ZPLF16-04G	16	G1/2	14	44.5	33.3	24	

Metric Tubing

ZPY	Model	D	A	d	Main Dimension
ΦD	ZPY04	4	35.6	3	
	ZPY06	6	37.2	3.2	
	ZPY08	8	40	3.2	
	ZPY10	10	50.1	4.2	
	ZPY12	12	52.6	4.2	
	ZPY14	14	57.3	4.2	
	ZPY16	16	60.5	5	

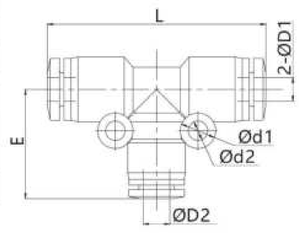
ZPE	Model	D	E	d	Main Dimension
ΦD	ZPE04	4	18.7	3.2	
	ZPE06	6	19.5	3.2	
	ZPE08	8	22.6	3.2	
	ZPE10	10	28.5	4.2	
	ZPE12	12	29.3	4.2	
	ZPE14	14	31.5	5	
	ZPE16	16	33	5	

Metric Tubing–G Thread

ZPEG

Model	D1	D2	E	L	d1	d2
ZPEG06–04	6	4	19.2	38.4	6	3.2
ZPEG08–04	8	4	21.2	44.9	6	3.2
ZPEG08–06	8	6	21.3	44.9	6	3.2
ZPEG10–06	10	6	22.35	56.7	6.8	4.2
ZPEG10–08	10	8	23	56.7	6.8	4.2
ZPEG12–08	12	8	27.7	58.6	7	4.2
ZPEG12–10	12	10	28.6	58.6	7	4.2

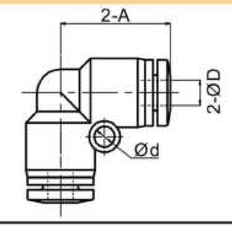
Main Dimension



ZPV

Model	D	A	d
ZPV04	4	17.7	3.2
ZPV06	6	19.2	3.2
ZPV08	8	22.6	3.2
ZPV10	10	27.8	4.2
ZPV12	12	29.3	4.2
ZPV14	14	30.6	5
ZPV16	16	33.3	5

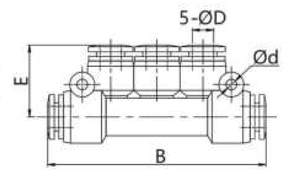
Main Dimension



ZPK

Model	D	B	d	E
ZPK04	4	57	3.2	19
ZPK06	6	61	3.2	20.3
ZPK08	8	81.6	4.2	24.3
ZPK10	10	88	4.3	26.5
ZPK12	12	102	4.3	30.6

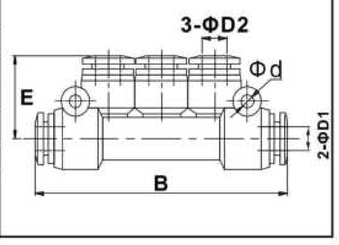
Main Dimension



ZPKG

Model	D1	D2	B	d	E
ZPKG06–04	6	4	57	3.2	19
ZPKG08–04	8	4	61.7	3.2	20.1
ZPKG08–06	8	6	61.7	3.2	20.4
ZPKG10–06	10	6	81.8	4.3	23.9
ZPKG10–08	10	8	81.8	4.3	24
ZPKG12–10	12	10	93.5	4.2	28.3

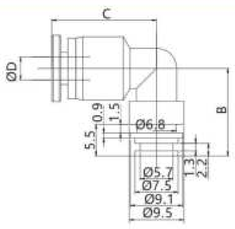
Main Dimension

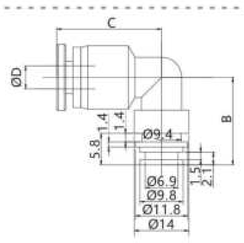


ZPLK

Model	D	B	C
ZPLK04-GR01	4	15.2	17.7
ZPLK06-GR01	6	17.5	19.2
ZPLK08-GR01	8	18	21.6
ZPLK10-GR01	10	19	25.5
ZPLK12-GR01	12	21	31
ZPLK04-GR02	4	15.5	17.7
ZPLK06-GR02	6	17.8	19.2
ZPLK08-GR02	8	18.3	21.6
ZPLK10-GR02	10	19.3	25.5
ZPLK12-GR02	12	21.3	31

Main Dimension

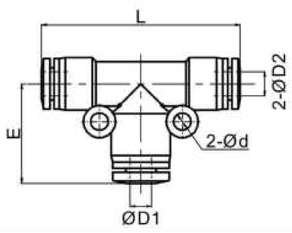




ZPEW

Model	D1	D2	E	L	d
ZPEW06–04	6	4	19.1	38	3.2
ZPEW08–04	8	4	22.5	43.9	3.2
ZPEW08–06	8	6	22.5	44	3.2
ZPEW10–06	10	6	27.9	54.1	4.2
ZPEW10–08	10	8	27.9	55	4.2
ZPEW12–08	12	8	29.3	57	4.2
ZPEW12–10	12	10	29.3	57.8	4.2
ZPEW16–12	16	12	32.5	63.6	4.2

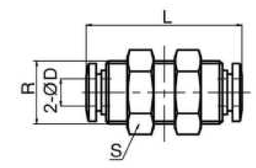
Main Dimension



ZPM

Model	D	R	S	L
ZPM04	4	M12X1	14	33
ZPM06	6	M14X1	17	38
ZPM08	8	M16X1	19	40
ZPM10	10	M20X1	24	46
ZPM12	12	M22X1	27	46

Main Dimension



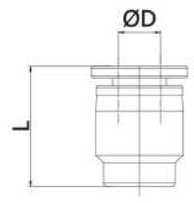
E•MC®

Metric Tubing–G Thread

ZPPF

Model	D	B
ZPPF04	4	17.2
ZPPF06	6	17.7
ZPPF08	8	19.6
ZPPF10	10	24
ZPPF12	12	25.3

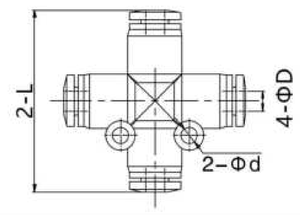
Main Dimension



ZPZA

Model	D	L	d
ZPZA04	4	38.2	3.2
ZPZA06	6	39	3.2
ZPZA08	8	45.7	3.1
ZPZA10	10	56.8	4.2
ZPZA12	12	58.4	4.4

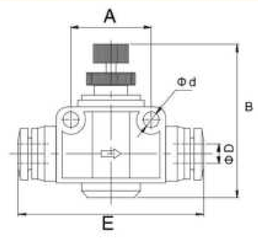
Main Dimension



ZSA

Model	D	d	A	B min	B max	E
ZSA04	4	3.2	14	26.2	28.9	39.5
ZSA06	6	4.3	20	38.8	43.6	46.8
ZSA08	8	4.3	22	40	45.5	52
ZSA10	10	4.3	26	48	52.2	62.3
ZSA12	12	4.3	32	51.5	58	73

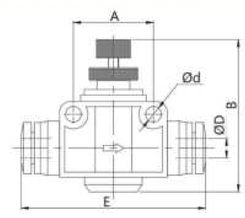
Main Dimension



ZSA–C

Model	D	d	A	B min	B max	E
ZSA06–C	46	4.3	20	38.8	43.6	46.8
ZSA08–C	8	4.3	22	40	45.5	52
ZSA10–C	10	4.3	26	48	52.2	62.3
ZSA12–C	12	4.3	32	51.5	58	73

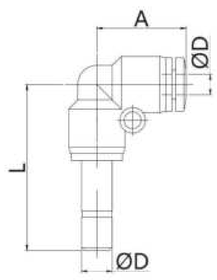
Main Dimension



ZPLJ

Model	D	A	L
ZPLJ04	4	17.7	33
ZPLJ06	6	19.2	36.2
ZPLJ08	8	22.6	42.5
ZPLJ10	10	27.8	50.8
ZPLJ12	12	29.3	54.5

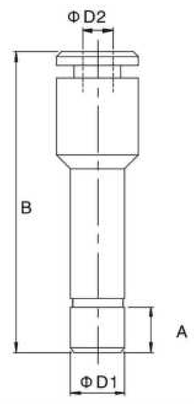
Main Dimension



ZPGJ

Model	D1	D2	A	B
EPGJ06–04	6	4	6.5	6.5
EPGJ08–04	8	4	6.5	6.5
EPGJ08–06	8	6	6.54	6.54
EPGJ10–06	10	6	8.1	8.1
EPGJ10–08	10	8	7.5	7.5
EPGJ12–06	12	6	7.5	7.5
EPGJ12–08	12	8	7.8	7.8
EPGJ12–10	12	10	7.5	7.5

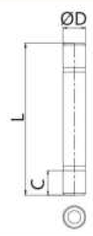
Main Dimension



ZPIJ

Model	L	D	C
PIJ04	39	4	6.3
PIJ06	40	6	6.5
PIJ08	45	8	6.7
PIJ10	46	10	7.8
PIJ12	46	12	8

Main Dimension

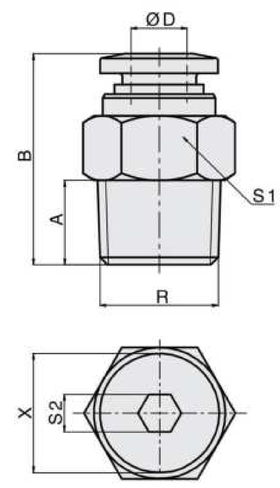


Inch Tubing–NPT Thread

ZPC

Model	D(Inch)	R	A	B	S1(Inch)	S2(Inch)
ZPC5/32–01T	5/32	NPT1/8	7.5	20.2	7/16	3/32
ZPC5/32–02T	5/32	NPT1/4	9.5	18.5	9/16	3/32
ZPC1/4–01T	1/4	NPT1/8	7.5	21.1	1/2	5/32
ZPC1/4–02T	1/4	NPT1/4	9.5	22.1	9/16	5/32
ZPC1/4–03T	1/4	NPT3/8	10.5	21.1	11/16	5/32
ZPC1/4–04T	1/4	NPT1/2	13.5	24.1	7/8	5/32
ZPC5/16–01T	5/16	NPT1/8	7.5	26.4	9/16	3/16
ZPC5/16–02T	5/16	NPT1/4	9.5	23.9	9/16	7/32
ZPC5/16–03T	5/16	NPT3/8	10.5	21.9	11/16	7/32
ZPC5/16–04T	5/16	NPT1/2	13.5	24.4	7/8	7/32
ZPC3/8–01T	3/8	NPT1/8	7.5	29.5	11/16	3/16
ZPC3/8–02T	3/8	NPT1/4	9.5	30.8	11/16	7/32
ZPC3/8–03T	3/8	NPT3/8	10.5	27.7	11/16	5/16
ZPC3/8–04T	3/8	NPT1/2	13.5	25.5	7/8	5/16
ZPC1/2–01T	1/2	NPT1/8	7.5	32	7/8	3/16
ZPC1/2–02T	1/2	NPT1/4	9.5	34	7/8	1/4
ZPC1/2–03T	1/2	NPT3/8	10.5	30	7/8	5/16
ZPC1/2–04T	1/2	NPT1/2	13.5	29	7/8	5/16

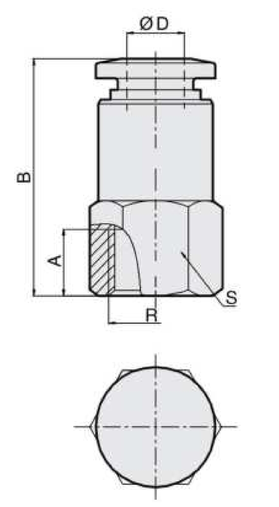
Main Dimension



ZPCF

Model	D(Inch)	R	A	B	S(Inch)
ZPCF5/32–01T	5/32	NPT1/8	8	24.7	9/16
ZPCF5/32–02T	5/32	NPT1/4	11	27.7	11/16
ZPCF1/4–01T	1/4	NPT1/8	8	25.2	9/16
ZPCF1/4–02T	1/4	NPT1/4	11	28.2	11/16
ZPCF1/4–03T	1/4	NPT3/8	12	29.2	7/8
ZPCF1/4–04T	1/4	NPT1/2	14	31.2	1
ZPCF5/16–01T	5/16	NPT1/8	8	26.9	9/16
ZPCF5/16–02T	5/16	NPT1/4	11	29.9	11/16
ZPCF5/16–03T	5/16	NPT3/8	12	30.9	7/8
ZPCF5/16–04T	5/16	NPT1/2	14	32.9	1
ZPCF3/8–01T	3/8	NPT1/8	8	29.9	11/16
ZPCF3/8–02T	3/8	NPT1/4	11	32.9	11/16
ZPCF3/8–03T	3/8	NPT3/8	12	33.9	7/8
ZPCF3/8–04T	3/8	NPT1/2	14	35.9	1
ZPCF1/2–01T	1/2	NPT1/8	8	31.5	7/8
ZPCF1/2–02T	1/2	NPT1/4	11	34.5	7/8
ZPCF1/2–03T	1/2	NPT3/8	12	35.5	7/8
ZPCF1/2–04T	1/2	NPT1/2	14	37.5	1

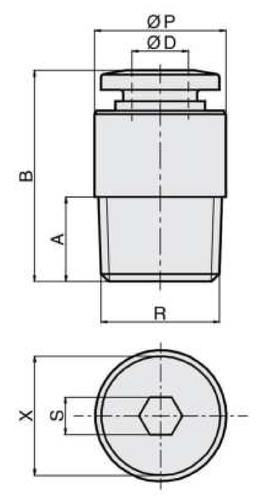
Main Dimension



ZPOC

Model	D(Inch)	R	A	B	P	S(Inch)
ZPOC5/32–01T	5/32	NPT1/8	7.5	20.2	11	3/32
ZPOC5/32–02T	5/32	NPT1/4	9.5	18.5	14	3/32
ZPOC1/4–01T	1/4	NPT1/8	7.5	21.1	12.7	5/32
ZPOC1/4–02T	1/4	NPT1/4	9.5	22.1	14	5/32
ZPOC1/4–03T	1/4	NPT3/8	10.5	21.1	17.5	5/32
ZPOC1/4–04T	1/4	NPT1/2	13.5	24.1	22	5/32
ZPOC5/16–01T	5/16	NPT1/8	7.5	26.4	14	3/16
ZPOC5/16–02T	5/16	NPT1/4	9.5	23.9	14	7/32
ZPOC5/16–03T	5/16	NPT3/8	10.5	21.9	17.5	7/32
ZPOC5/16–04T	5/16	NPT1/2	13.5	24.4	22	7/32
ZPOC3/8–01T	3/8	NPT1/8	7.5	29.5	17	3/16
ZPOC3/8–02T	3/8	NPT1/4	9.5	30.8	17	7/32
ZPOC3/8–03T	3/8	NPT3/8	10.5	27.7	17.5	5/16
ZPOC3/8–04T	3/8	NPT1/2	13.5	25.5	22	5/16
ZPOC1/2–01T	1/2	NPT1/8	7.5	32	22	3/16
ZPOC1/2–02T	1/2	NPT1/4	9.5	34	22	1/4
ZPOC1/2–03T	1/2	NPT3/8	10.5	30	22	5/16
ZPOC1/2–04T	1/2	NPT1/2	13.5	29	22	5/16

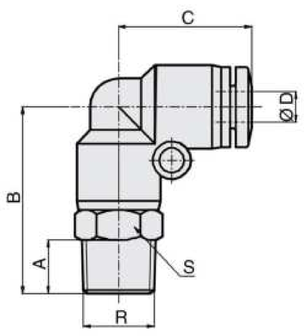
Main Dimension



ZPL

Model	D(Inch)	R	A	B	C	S(Inch)
ZPL5/32–01T	5/32	NPT1/8	7.5	25	17.7	7/16
ZPL5/32–02T	5/32	NPT1/4	9.5	27	17.7	9/16
ZPL1/4–01T	1/4	NPT1/8	7.5	26.2	19.2	1/2
ZPL1/4–02T	1/4	NPT1/4	9.5	28.2	19.2	9/16
ZPL1/4–03T	1/4	NPT3/8	10.5	29.2	19.2	11/16
ZPL1/4–04T	1/4	NPT1/2	13.5	32.2	19.2	7/8
ZPL5/16–01T	5/16	NPT1/8	7.5	29.5	22.6	9/16
ZPL5/16–02T	5/16	NPT1/4	9.5	31.5	22.6	9/16
ZPL5/16–03T	5/16	NPT3/8	10.5	32.5	22.6	11/16
ZPL5/16–04T	5/16	NPT1/2	13.5	35.5	22.6	7/8
ZPL3/8–01T	3/8	NPT1/8	7.5	33.8	27.8	11/16
ZPL3/8–02T	3/8	NPT1/4	9.5	35.8	27.8	11/16
ZPL3/8–03T	3/8	NPT3/8	10.5	36.8	27.8	11/16
ZPL3/8–04T	3/8	NPT1/2	13.5	39.8	27.8	7/8
ZPL1/2–01T	1/2	NPT1/8	7.5	35.5	29.3	7/8
ZPL1/2–02T	1/2	NPT1/4	9.5	37.5	29.3	7/8
ZPL1/2–03T	1/2	NPT3/8	10.5	38.5	29.3	7/8
ZPL1/2–04T	1/2	NPT1/2	13.5	41.5	29.3	7/8

Main Dimension



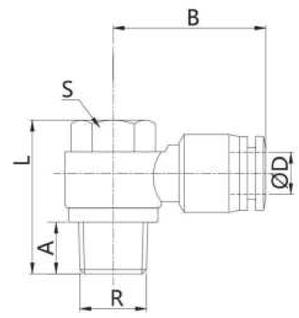
E•MC®

Inch Tubing–NPT Thread

ZPH

Model	D(Inch)	R	A	B	S	L
ZPH1/8–01T	1/8	NPT1/8	7	22.5	10	23.5
ZPH1/8–02T	1/8	NPT1/4	9	25	14	26.3
ZPH5/32–01T	5/32	NPT1/8	7	22.5	10	23.5
ZPH5/32–02T	5/32	NPT1/4	9	25	14	26.3
ZPH1/4–01T	1/4	NPT1/8	7	23.3	10	23.5
ZPH1/4–02T	1/4	NPT1/4	9	25.8	14	26.3
ZPH1/4–03T	1/4	NPT3/8	10	27.5	19	32
ZPH1/4–04T	1/4	NPT1/2	13	30	24	38.6
ZPH5/16–01T	5/16	NPT1/8	7	25.4	10	23.5
ZPH5/16–02T	5/16	NPT1/4	9	28.5	14	26.3
ZPH5/16–03T	5/16	NPT3/8	10	29.4	19	32
ZPH5/16–04T	5/16	NPT1/2	13	32.4	24	38.6
ZPH3/8–01T	3/8	NPT1/8	7	30.3	10	23.5
ZPH3/8–02T	3/8	NPT1/4	9	32.6	14	26.3
ZPH3/8–03T	3/8	NPT3/8	10	33.2	19	32
ZPH3/8–04T	3/8	NPT1/2	13	36.2	24	38.6
ZPH1/2–02T	1/2	NPT1/4	9	34.7	14	26.3
ZPH1/2–03T	1/2	NPT3/8	10	36.6	19	32
ZPH1/2–04T	1/2	NPT1/2	13	39	24	38.6

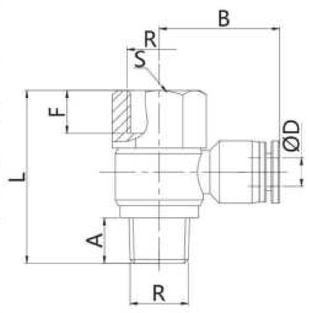
Main Dimension



ZPHF

Model	D(Inch)	R	A	B	S	F	L
ZPHF1/8–01T	1/8	NPT1/8	7	22.5	12	7	28.1
ZPHF1/8–02T	1/8	NPT1/4	9	25	17	10	33
ZPHF5/32–01T	5/32	NPT1/8	7	22.5	12	7	28.1
ZPHF5/32–02T	5/32	NPT1/4	9	25	17	10	33
ZPHF1/4–01T	1/4	NPT1/8	7	23.8	12	7	28.1
ZPHF1/4–02T	1/4	NPT1/4	9	25.8	17	10	33
ZPHF1/4–03T	1/4	NPT3/8	10	27.5	20	11	39
ZPHF1/4–04T	1/4	NPT1/2	13	30	24	13	47.4
ZPHF5/16–01T	5/16	NPT1/8	7	25.4	10	7	28.1
ZPHF5/16–02T	5/16	NPT1/4	9	28.5	14	10	33
ZPHF5/16–03T	5/16	NPT3/8	10	29.4	19	11	39
ZPHF5/16–04T	5/16	NPT1/2	13	32.4	24	13	47.4
ZPHF3/8–01T	3/8	NPT1/8	7	30.3	10	7	28.1
ZPHF3/8–02T	3/8	NPT1/4	9	32.6	14	10	33
ZPHF3/8–03T	3/8	NPT3/8	10	33.2	19	11	39
ZPHF3/8–04T	3/8	NPT1/2	13	36.2	24	13	47.4
ZPHF1/2–02T	1/2	NPT1/4	9	34.7	14	10	33
ZPHF1/2–03T	1/2	NPT3/8	10	36.6	19	11	39
ZPHF1/2–04T	1/2	NPT1/2	13	39	24	13	47.4

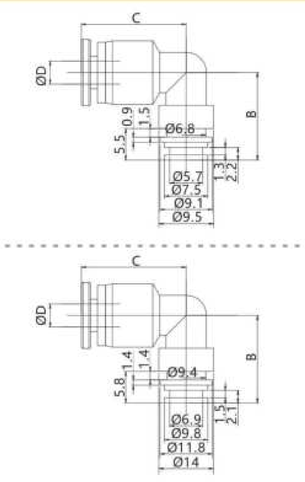
Main Dimension



ZPLK

Model	D(Inch)	B	C
ZPLK5/32-GR01	5/32	15.2	17.7
ZPLK1/4-GR01	1/4	17.5	19.2
ZPLK5/16-GR01	5/16	18	21.6
ZPLK3/8-GR01	3/8	19	25.5
ZPLK1/2-GR01	1/2	21	31
ZPLK5/32-GR02	5/32	15.5	17.7
ZPLK1/4-GR02	1/4	17.8	19.2
ZPLK5/16-GR02	5/16	18.3	21.6
ZPLK3/8-GR02	3/8	19.3	25.5
ZPLK1/2-GR02	1/2	21.3	31

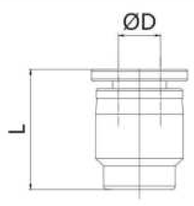
Main Dimension



ZPPF

Model	D(Inch)	B
ZPPF1/8	1/8	17.2
ZPPF5/32	5/32	17.2
ZPPF1/4	1/4	17.7
ZPPF5/16	5/16	19.6
ZPPF3/8	3/8	24
ZPPF1/2	1/12	25.3

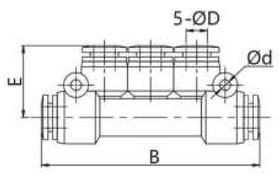
Main Dimension



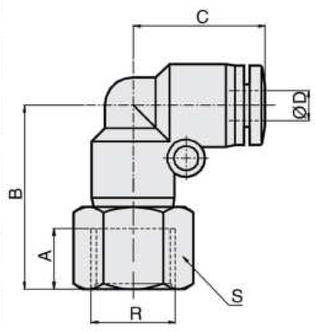
ZPK

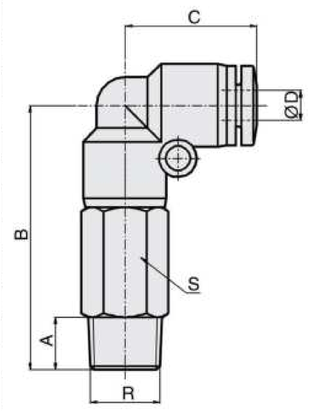
Model	D(Inch)	B	d	E
ZPK1/8	1/8	57	3.2	19
ZPK5/32	5/32	61	3.2	19
ZPK1/4	1/4	81.6	3.2	20.3
ZPK5/16	5/16	88	4.2	24.3
ZPK3/8	3/8	102	4.3	26.5

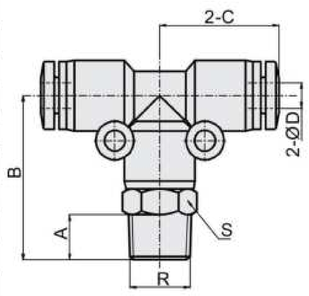
Main Dimension

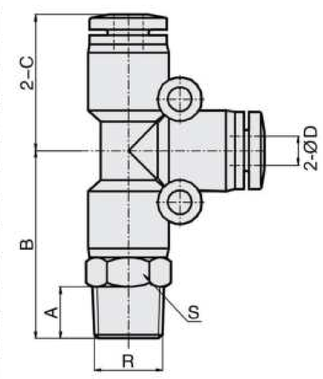


Inch Tubing–NPT Thread

ZPLF	Model	D(Inch)	R	A	B	C	S(Inch)	Main Dimension
	ZPLF5/32–01T	5/32	NPT1/8	8	23.5	17.7	7/16	
	ZPLF5/32–02T	5/32	NPT1/4	11	26.5	17.7	9/16	
	ZPLF1/4–01T	1/4	NPT1/8	8	24.7	19.2	1/2	
	ZPLF1/4–02T	1/4	NPT1/4	11	27.7	19.2	9/16	
	ZPLF1/4–03T	1/4	NPT3/8	12	28.7	19.2	11/16	
	ZPLF1/4–04T	1/4	NPT1/2	14	30.7	19.2	7/8	
	ZPLF5/16–01T	5/16	NPT1/8	8	28	22.6	9/16	
	ZPLF5/16–02T	5/16	NPT1/4	11	31	22.6	9/16	
	ZPLF5/16–03T	5/16	NPT3/8	12	32	22.6	11/16	
	ZPLF5/16–04T	5/16	NPT1/2	14	34	22.6	7/8	
	ZPLF3/8–01T	3/8	NPT1/8	8	32.3	27.8	11/16	
	ZPLF3/8–02T	3/8	NPT1/4	11	35.3	27.8	11/16	
	ZPLF3/8–03T	3/8	NPT3/8	12	36.3	27.8	11/16	
	ZPLF3/8–04T	3/8	NPT1/2	14	38.3	27.8	7/8	
	ZPLF1/2–02T	1/2	NPT1/4	11	37.5	29.3	7/8	
	ZPLF1/2–03T	1/2	NPT3/8	12	38.5	29.3	7/8	
	ZPLF1/2–04T	1/2	NPT1/2	14	41	29.3	7/8	

ZPLL	Model	D(Inch)	R	A	B	C	S(Inch)	Main Dimension
	ZPLL5/32–01T	5/32	NPT1/8	7.5	36	17.7	7/16	
	ZPLL5/32–02T	5/32	NPT1/4	9.5	39	17.7	9/16	
	ZPLL1/4–01T	1/4	NPT1/8	7.5	39.7	19.2	1/2	
	ZPLL1/4–02T	1/4	NPT1/4	9.5	42.2	19.2	9/16	
	ZPLL1/4–03T	1/4	NPT3/8	10.5	43.7	19.2	11/16	
	ZPLL1/4–04T	1/4	NPT1/2	13.5	47.2	19.2	7/8	
	ZPLL5/16–01T	5/16	NPT1/8	7.5	43	22.6	9/16	
	ZPLL5/16–02T	5/16	NPT1/4	9.5	45.5	22.6	9/16	
	ZPLL5/16–03T	5/16	NPT3/8	10.5	47	22.6	11/16	
	ZPLL5/16–04T	5/16	NPT1/2	13.5	50.5	22.6	7/8	
	ZPLL3/8–01T	3/8	NPT1/8	7.5	54.3	27.8	11/16	
	ZPLL3/8–02T	3/8	NPT1/4	9.5	56.3	27.8	11/16	
	ZPLL3/8–03T	3/8	NPT3/8	10.5	57.3	27.8	11/16	
	ZPLL3/8–04T	3/8	NPT1/2	13.5	60.8	27.8	7/8	
	ZPLL1/2–02T	1/2	NPT1/4	9.5	61.5	29.3	7/8	
	ZPLL1/2–03T	1/2	NPT3/8	10.5	62.5	29.3	7/8	
	ZPLL1/2–04T	1/2	NPT1/2	13.5	65.5	29.3	7/8	

ZPB	Model	D(Inch)	R	A	B	C	S(Inch)	Main Dimension
	ZPB5/32–01T	5/32	NPT1/8	7.5	26	18.7	7/16	
	ZPB5/32–02T	5/32	NPT1/4	9.5	28	18.7	9/16	
	ZPB1/4–01T	1/4	NPT1/8	7.5	26.5	19.5	1/2	
	ZPB1/4–02T	1/4	NPT1/4	9.5	28.5	19.5	9/16	
	ZPB1/4–03T	1/4	NPT3/8	10.5	29.5	19.5	11/16	
	ZPB1/4–04T	1/4	NPT1/2	13.5	34.5	19.5	7/8	
	ZPB5/16–01T	5/16	NPT1/8	7.5	29.5	22.6	9/16	
	ZPB5/16–02T	5/16	NPT1/4	9.5	31.5	22.6	9/16	
	ZPB5/16–03T	5/16	NPT3/8	10.5	32.5	22.6	11/16	
	ZPB5/16–04T	5/16	NPT1/2	13.5	35.5	22.6	7/8	
	ZPB3/8–01T	3/8	NPT1/8	7.5	34.5	28.5	11/16	
	ZPB3/8–02T	3/8	NPT1/4	9.5	36.5	28.5	11/16	
	ZPB3/8–03T	3/8	NPT3/8	10.5	37.5	28.5	11/16	
	ZPB3/8–04T	3/8	NPT1/2	13.5	40.5	28.5	7/8	
	ZPB1/2–01T	1/2	NPT1/8	7.5	35.5	29.3	7/8	
	ZPB1/2–02T	1/2	NPT1/4	9.5	37.5	29.3	7/8	
	ZPB1/2–03T	1/2	NPT3/8	10.5	38.5	29.3	7/8	
	ZPB1/2–04T	1/2	NPT1/2	13.5	41.5	29.3	7/8	

ZPD	Model	D(Inch)	R	A	B	C	S(Inch)	Main Dimension
	ZPD5/32–01T	5/32	NPT1/8	7.5	26	18.7	7/16	
	ZPD5/32–02T	5/32	NPT1/4	9.5	28	18.7	9/16	
	ZPD1/4–01T	1/4	NPT1/8	7.5	26.5	19.5	1/2	
	ZPD1/4–02T	1/4	NPT1/4	9.5	28.5	19.5	9/16	
	ZPD1/4–03T	1/4	NPT3/8	10.5	29.5	19.5	11/16	
	ZPD1/4–04T	1/4	NPT1/2	13.5	34.5	19.5	7/8	
	ZPD5/16–01T	5/16	NPT1/8	7.5	29.5	22.6	9/16	
	ZPD5/16–02T	5/16	NPT1/4	9.5	31.5	22.6	9/16	
	ZPD5/16–03T	5/16	NPT3/8	10.5	32.5	22.6	11/16	
	ZPD5/16–04T	5/16	NPT1/2	13.5	35.5	22.6	7/8	
	ZPD3/8–01T	3/8	NPT1/8	7.5	34.5	28.5	11/16	
	ZPD3/8–02T	3/8	NPT1/4	9.5	36.5	28.5	11/16	
	ZPD3/8–03T	3/8	NPT3/8	10.5	37.5	28.5	11/16	
	ZPD3/8–04T	3/8	NPT1/2	13.5	40.5	28.5	7/8	
	ZPD1/2–01T	1/2	NPT1/8	7.5	35.5	29.3	7/8	
	ZPD1/2–02T	1/2	NPT1/4	9.5	37.5	29.3	7/8	
	ZPD1/2–03T	1/2	NPT3/8	10.5	38.5	29.3	7/8	
	ZPD1/2–04T	1/2	NPT1/2	13.5	41.5	29.3	7/8	

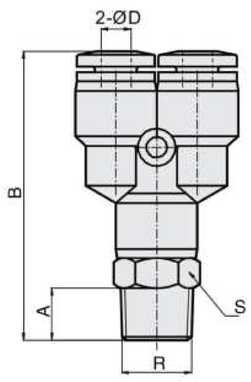
E·MC®

Inch Tubing–NPT Thread

ZPWT

Model	D(Inch)	R	A	B	S(Inch)
ZPWT5/32–01T	5/32	NPT1/8	7.5	42.5	7/16
ZPWT5/32–02T	5/32	NPT1/4	9.5	45.5	9/16
ZPWT1/4–01T	1/4	NPT1/8	7.5	44.2	1/2
ZPWT1/4–02T	1/4	NPT1/4	9.5	46.2	9/16
ZPWT1/4–03T	1/4	NPT3/8	10.5	47.2	11/16
ZPWT1/4–04T	1/4	NPT1/2	13.5	50.2	7/8
ZPWT5/16–01T	5/16	NPT1/8	7.5	46.9	9/16
ZPWT5/16–02T	5/16	NPT1/4	9.5	48.9	9/16
ZPWT5/16–03T	5/16	NPT3/8	10.5	49.9	11/16
ZPWT5/16–04T	5/16	NPT1/2	13.5	52.9	7/8
ZPWT3/8–01T	3/8	NPT1/8	7.5	56.1	11/16
ZPWT3/8–02T	3/8	NPT1/4	9.5	58.1	11/16
ZPWT3/8–03T	3/8	NPT3/8	10.5	59.1	11/16
ZPWT3/8–04T	3/8	NPT1/2	13.5	62.1	7/8
ZPWT1/2–01T	1/2	NPT1/8	7.5	58.8	7/8
ZPWT1/2–02T	1/2	NPT1/4	9.5	60.8	7/8
ZPWT1/2–03T	1/2	NPT3/8	10.5	61.8	7/8
ZPWT1/2–04T	1/2	NPT1/2	13.5	64.8	7/8

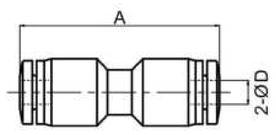
Main Dimension



ZPU

Model	D(Inch)	A
ZPU5/32	5/32	33.4
ZPU1/4	1/4	35.6
ZPU5/16	5/16	38.7
ZPU3/8	3/8	48.2
ZPU1/2	1/12	48.6

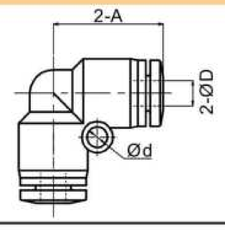
Main Dimension



ZPV

Model	D(Inch)	A	d
ZPV5/32	5/32	17.7	3.2
ZPV1/4	1/4	19.2	3.2
ZPV5/16	5/16	22.6	3.2
ZPV3/8	3/8	27.8	4.2
ZPV1/2	1/12	29.3	4.2

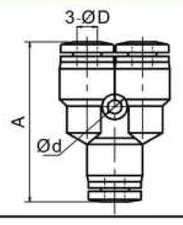
Main Dimension



ZPY

Model	D(Inch)	A	d
ZPY5/32	5/32	35.6	3
ZPY1/4	1/4	37.2	3.2
ZPY5/16	5/16	40	3.2
ZPY3/8	3/8	50.1	4.2
ZPY1/2	1/12	52.6	4.2

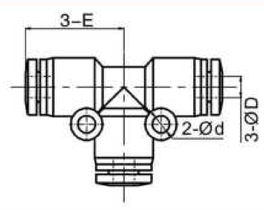
Main Dimension



ZPE

Model	D(Inch)	E	d
ZPE5/32	5/32	18.7	3.2
ZPE1/4	1/4	19.5	3.2
ZPE5/16	5/16	22.6	3.2
ZPE3/8	3/8	28.5	4.2
ZPE1/2	1/12	29.3	4.2

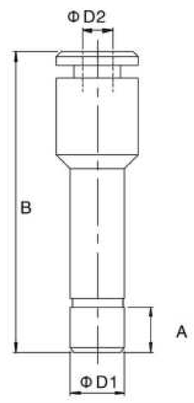
Main Dimension



ZPGJ

Model	D1(Inch)	D2(Inch)	A	B
EPGJ1/4–5/32	1/4	5/32	6.5	33.2
EPGJ5/16–5/32	5/16	5/32	6.5	35.2
EPGJ5/16–1/4	5/16	1/4	6.5	39
EPGJ3/8–1/4	3/8	1/4	8.1	37.1
EPGJ3/8–5/16	3/8	5/16	7.5	41.5
EPGJ1/2–1/4	1/2	1/4	7.5	38.6
EPGJ1/2–5/16	1/2	5/16	7.8	40
EPGJ1/2–3/8	1/2	3/8	7.5	45.5

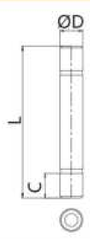
Main Dimension



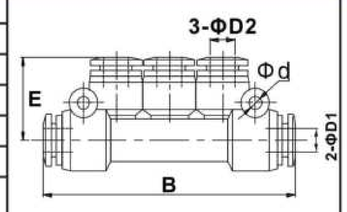
ZPIJ

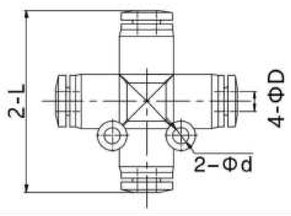
Model	L	D(Inch)	C
PIJ5/32	39	5/32	6.3
PIJ1/4	40	1/4	6.5
PIJ5/16	45	5/16	6.7
PIJ3/8	46	3/8	7.8
PIJ1/2	52	1/2	8

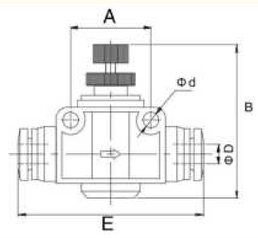
Main Dimension

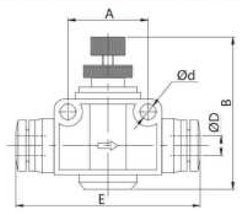


Inch Tubing–NPT Thread

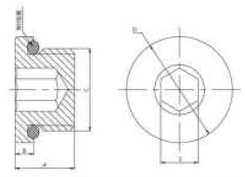
ZPKG	Model	D1(Inch)	D2(Inch)	B	d	E	Main Dimension
ΦD	ZPKG5/32–1/8	5/32	1/8	57	3.2	19	
	ZPKG1/4–5/32	1/4	5/32	57	3.2	19	
	ZPKG5/16–5/32	5/16	5/32	61.7	3.2	20.1	
	ZPKG5/16–1/4	5/16	1/4	61.7	3.2	20.4	
	ZPKG3/8–1/4	3/8	1/4	81.8	4.3	23.9	
	ZPKG3/8–5/16	3/8	5/16	81.8	4.3	24	

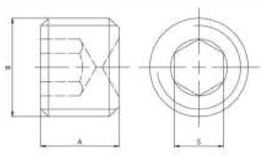
ZPZA	Model	D(Inch)	L	d	Main Dimension
ΦD	ZPZA1/8	1/8	38.2	3.2	
	ZPZA5/32	5/32	38.2	3.2	
	ZPZA1/4	1/4	39	3.2	
	ZPZA5/16	5/16	45.7	3.1	
	ZPZA3/8	3/8	56.8	4.2	
	ZPZA1/2	1/2	58.4	4.4	

ZSA	Model	D(Inch)	d	A	B		E	Main Dimension
					min	max		
ΦD	ZSA1/8	1/8	3.2	14	26.2	28.9	39.5	
	ZSA5/32	5/32	3.2	14	26.2	28.9	39.5	
	ZSA1/4	1/4	4.3	20	38.8	43.6	46.8	
	ZSA5/16	5/16	4.3	22	40	45.5	52	
	ZSA3/8	3/8	4.3	26	48	52.2	62.3	
	ZSA1/2	1/2	4.3	32	51.5	58	73	

ZSA–C	Model	D(Inch)	d	A	B		E	Main Dimension
					min	max		
ΦD	ZSA1/4–C	1/4	4.3	20	38.8	43.6	46.8	
	ZSA5/16–C	5/16	4.3	22	40	45.5	52	
	ZSA3/8–C	3/8	4.3	26	48	52.2	62.3	
	ZSA1/2–C	1/2	4.3	32	51.5	58	73	

Plug

GSC	Model	A	B	C	D	S	Main Dimension
	GSC1/8–P01	7	2	G1/8	12	5	
	GSC1/4–P01	9.5	3	G1/4	17	6	
	GSC3/8–P01	10.5	3.5	G3/8	20	8	

GSC	Model	A	B	S	Main Dimension
	GSC1/8X7N	7	G1/8	5	
	GSC1/4X8N	8	G1/4	6	
	GSC3/8X10N	10	G3/8	8	
	GSC1/2X12N	12	G1/2	10	