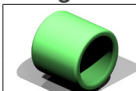
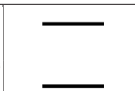


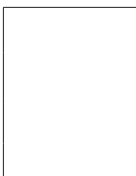
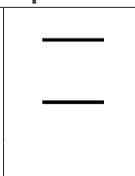


LONGITUDES EQUIVALENTES, EN METROS, DE LOS ACCESORIOS PARA EL CÁLCULO DE LAS PÉRDIDAS DE PRESIÓN

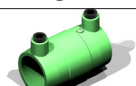
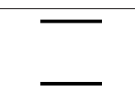
Manguito

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			0.5	0.7	0.9	1.1	1.4	1.7	2.1	2.5	3.0	4.2

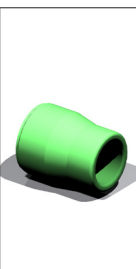
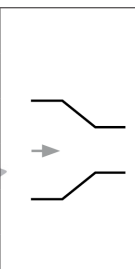
Soldadura a tope

		Soldadura a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	1.5	1.9	2.4	3.0	3.4	-	-	-	-	-
		SDR 11	1.7	2.1	2.7	3.4	3.8	4.3	4.8	-	-	-
		SDR 17.6	1.9	2.3	2.9	3.7	4.1	4.7	5.2	5.8	6.5	7.3

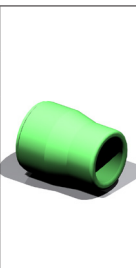
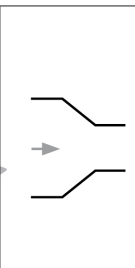
Manguito electrosoldable

		Manguito electrofundición	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

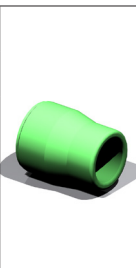
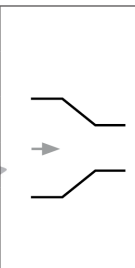
Reducción (1 dimensión)

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			0.9	1.1	1.4	1.7	2.2	2.8	3.3	3.69	4.8	6.7
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
			SDR 7.4	7.6	9.5	11.9	15.0	16.9	-	-	-	-
			SDR 11	8.6	10.7	13.4	16.9	19.1	21.5	24.2	-	-
			SDR 17.6	9.3	11.6	14.5	18.3	20.7	23.3	26.2	29.1	32.6

Reducción (2 dimensiones)

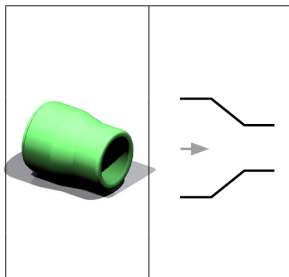
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			-	1.4	1.7	2.2	2.7	3.4	4.1	4.9	6.0	8.4
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
			SDR 7.4	9.5	11.9	14.9	18.8	21.1	-	-	-	-
			SDR 11	10.7	13.4	16.8	21.1	23.8	26.9	30.2	-	-
			SDR 17.6	11.6	14.5	18.2	22.9	25.8	29.1	32.7	36.4	40.7

Reducción (3 dimensiones)

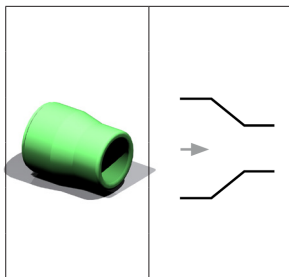
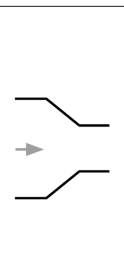
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			-	-	2.1	2.6	3.3	4.1	4.9	5.9	7.2	10.1
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
			SDR 7.4	11.4	14.3	17.9	22.5	25.4	-	-	-	-
			SDR 11	12.9	16.1	20.1	25.4	28.6	32.2	36.2	-	-
			SDR 17.6	14.0	17.4	21.8	27.5	31.0	34.9	39.3	43.6	48.9



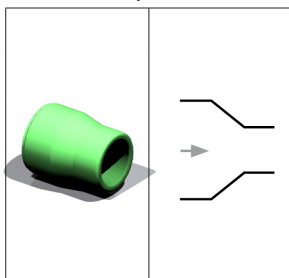
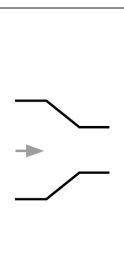
Reducción (4 dimensión)

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			-	-	-	3.1	3.8	4.8	5.7	6.9	8.4	11.7
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	13.3	16.7	20.8	26.3	29.6	-	-	-	-	-
		SDR 11	15.0	18.8	23.5	29.6	33.4	37.6	42.3	-	-	-
SDR 17.6	16.3	20.3	25.4	32.1	36.1	40.7	45.8	50.9	57.0	64.1		

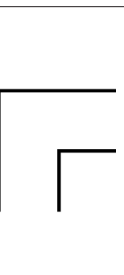
Reducción (5 dimensiones)

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			-	-	-	-	4.4	5.5	6.6	7.9	9.6	13.4
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	15.2	19.1	23.8	30.0	33.8	-	-	-	-	-
		SDR 11	17.2	21.5	26.8	33.8	38.1	43.0	48.3	-	-	-
SDR 17.6	18.6	23.3	29.1	36.6	41.3	46.5	52.4	58.2	65.2	73.2		

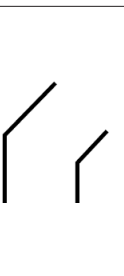
Reducción (6 dimensiones)

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			-	-	-	-	-	6.2	7.4	8.9	10.8	15.1
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	17.2	21.4	26.8	33.8	38.1	-	-	-	-	-
		SDR 11	19.3	24.2	30.2	38.1	42.9	48.4	54.4	-	-	-
SDR 17.6	20.9	26.2	37.7	41.2	46.5	52.4	58.9	65.4	73.3	82.5		

Codo 90°


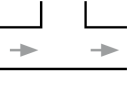
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			1.6	2.0	2.6	3.3	4.1	5.2	6.2	7.4	9.0	12.6
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	14.3	17.9	22.3	18.0	20.3	-	-	-	-	-
		SDR 11	10.3	12.9	16.1	20.3	22.9	25.8	29.0	-	-	-
SDR 17.6	11.2	14.0	17.4	22.0	24.8	27.9	31.4	34.9	39.1	44.0		

Codo 45°


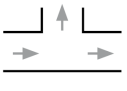
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			0.9	1.1	1.4	1.7	2.2	2.8	3.3	3.9	4.8	6.7
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	7.6	9.5	11.9	11.3	12.7	-	-	-	-	-
		SDR 11	6.4	8.1	10.1	12.7	14.3	16.1	18.1	-	-	-
SDR 17.6	7.0	8.7	10.9	13.7	15.5	17.5	19.6	21.8	24.4	27.5		




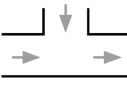
Te

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			0.5	0.7	0.9	1.1	1.4	11.7	2.1	2.5	3.0	4.2
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	4.8	6.0	7.4	9.4	10.6	-	-	-	-	-
		SDR 11	5.4	6.7	8.4	10.6	11.9	13.4	15.1	-	-	-
		SDR 17.6	5.8	7.3	9.1	11.5	12.9	14.5	16.4	18.2	20.4	22.9


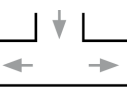
Te - caudal divergente

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			2.6	3.3	4.2	5.2	6.6	8.3	9.8	11.8	14.4	20.1
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	22.9	28.6	35.7	45.0	50.7	-	-	-	-	-
		SDR 11	25.8	32.2	40.3	50.7	57.2	64.5	72.5	-	-	-
		SDR 17.6	27.9	34.9	43.6	55.0	62.0	69.8	78.5	87.2	97.8	110.0


Te - caudal convergente

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			1.7	2.2	2.8	3.5	4.4	5.5	6.6	7.9	9.6	13.4
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	15.2	19.1	23.8	30.0	33.8	-	-	-	-	-
		SDR 11	17.2	21.5	26.8	33.8	38.1	43.0	48.3	-	-	-
		SDR 17.6	18.6	23.3	29.1	36.6	41.3	46.5	52.4	58.2	65.2	73.3

Te - caudal divergente

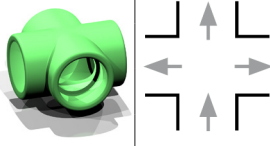
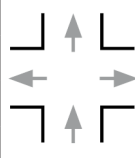
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			3.9	4.9	6.3	7.9	9.9	12.4	14.8	17.7	21.7	30.2
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	34.3	42.9	53.6	67.5	76.1	-	-	-	-	-
		SDR 11	38.7	48.3	60.4	76.1	85.8	96.7	108.7	-	-	-
		SDR 17.6	41.9	52.3	65.4	82.4	93.0	104.7	117.8	130.9	146.6	164.9

Te - caudal convergente

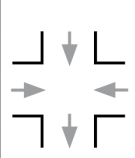
		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			5.2	6.5	8.2	10.4	13.1	16.4	24.6	29.5	36.1	50.3
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	57.2	71.5	89.3	112.5	126.8	-	-	-	-	-
		SDR 11	64.4	80.5	100.7	126.9	143.0	161.2	181.2	-	-	-
		SDR 17.6	69.8	87.2	109.1	137.4	154.9	174.5	196.4	218.1	244.4	274.9




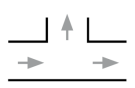
Cruz - caudal divergente

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			4.5	5.7	7.3	9.2	-	-	-	-	-	-
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	40.0	50.0	62.5	78.8	88.8	-	-	-	-	-
		SDR 11	45.1	56.4	70.5	88.8	100.1	112.9	126.8	-	-	-
SDR 17.6	48.8	61.0	76.3	96.2	108.4	122.2	137.5	152.7	171.1	192.4		

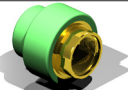

Cruz - caudal convergente

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			8.0	10.1	12.9	16.1	-	-	-	-	-	-
		a tope	160 mm	200 mm	250 mm	315 mm	355 mm	400 mm	450 mm	500 mm	560 mm	630 mm
		SDR 7.4	70.5	88.1	110.2	138.8	156.4	-	-	-	-	-
		SDR 11	79.5	99.3	124.1	156.5	176.4	198.8	223.5	-	-	-
SDR 17.6	86.1	107.6	134.5	169.5	191.1	215.2	242.2	269.0	301.4	339.0		

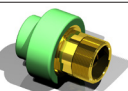

Derivación

		derivación a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			0.6	0.8	1.0	1.3	1.7	2.1	2.5	3.0	3.6	5.0

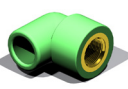
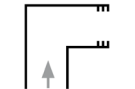
Entronque - rosca hembra

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			1.1	1.4	1.7	2.2	2.7	3.4	4.1	-	-	-

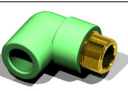
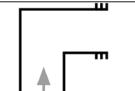
Entronque - rosca macho

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			1.5	1.9	2.4	3.1	3.8	4.8	5.7	6.9	8.4	-


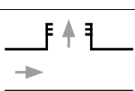
Codo - rosca hembra

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			1.9	2.4	3.0	-	-	-	-	-	-	-

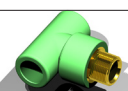
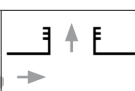
Codo - rosca macho

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			2.2	2.7	3.5	-	-	-	-	-	-	-

Te - rosca hembra

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			3.5	4.4	5.6	-	-	-	-	-	-	-

Te - rosca macho

		soldadura a enchufe	20 mm	25 mm	32 mm	40 mm	50 mm	63 mm	75 mm	90 mm	110 mm	125 mm
			3.9	-	-	-	-	-	-	-	-	-