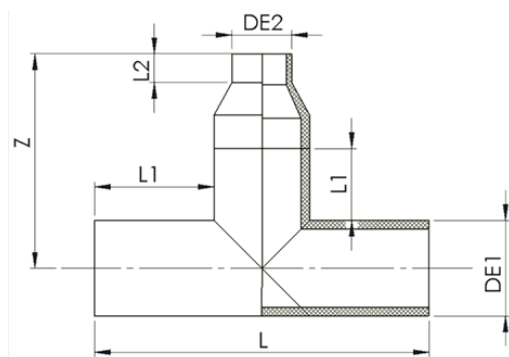


TÊ 90° REDUÇÃO MONTADO

TÊ 90°

PN da Conexão = 0,5 x PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

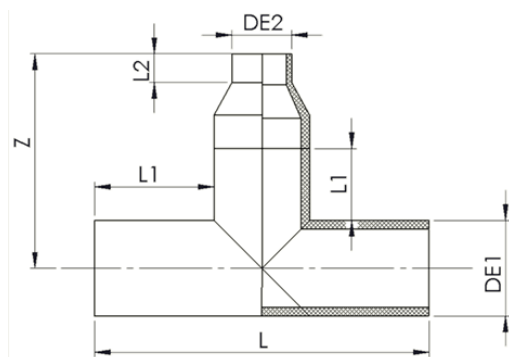
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	Z	L1	L2	Peso (kg)								
							PN 2	PN 2,5	PN 3	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5
							SDR								
							41	33	26	21	17	13	11	09	07
CSGTR1P063032SD9	063	032	363	322	150	50	-	-	-	-	0,42	0,51	0,62	0,75	0,88
CSGTR1P063040SD9	063	040	363	322	150	52	-	-	-	-	0,42	0,52	0,63	0,76	0,89
CSGTR1P063050SD9	063	050	363	322	150	60	-	-	-	-	0,43	0,53	0,65	0,77	0,91
CSGTR1P075040SD9	075	040	375	338	150	52	-	-	-	-	0,61	0,76	0,92	1,09	1,29
CSGTR1P075050SD9	075	050	375	338	150	60	-	-	-	-	0,62	0,77	0,93	1,11	1,31
CSGTR1P075063SD9	075	063	375	338	150	65	-	-	-	-	0,64	0,79	0,95	1,14	1,35
CSGTR1P090050SD9	090	050	390	365	150	60	-	-	-	0,76	0,93	1,14	1,38	1,65	1,95
CSGTR1P090063SD9	090	063	390	365	150	65	-	-	-	0,77	0,94	1,16	1,41	1,68	1,99
CSGTR1P090075SD9	090	075	390	365	150	73	-	-	-	0,79	0,96	1,19	1,44	1,72	2,04
CSGTR1P110063SD9	110	063	410	385	150	65	-	-	0,96	1,18	1,44	1,78	2,15	2,57	3,04
CSGTR1P110075SD9	110	075	410	385	150	73	-	-	0,98	1,20	1,46	1,80	2,18	2,61	3,08
CSGTR1P110090SD9	110	090	410	385	150	82	-	-	1,00	1,23	1,50	1,84	2,23	2,67	3,15
CSGTR1P125063SD9	125	063	425	403	150	65	-	-	1,28	1,57	1,91	2,35	2,85	3,41	4,03
CSGTR1P125075SD9	125	075	425	403	150	73	-	-	1,29	1,58	1,93	2,37	2,88	3,44	4,07
CSGTR1P125090SD9	125	090	425	403	150	82	-	-	1,31	1,61	1,96	2,41	2,92	3,49	4,13
CSGTR1P125110SD9	125	110	425	403	150	86	-	-	1,35	1,66	2,02	2,49	3,02	3,60	4,26
CSGTR1P140075SD9	140	075	440	420	150	73	-	1,34	1,65	2,03	2,47	3,04	3,69	4,41	5,21
CSGTR1P140090SD9	140	090	440	420	150	82	-	1,36	1,67	2,05	2,50	3,08	3,74	4,46	5,28
CSGTR1P140110SD9	140	110	440	420	150	86	-	1,39	1,71	2,10	2,57	3,16	3,83	4,58	5,41
CSGTR1P140125SD9	140	125	440	420	150	92	-	1,42	1,75	2,15	2,62	3,23	3,92	4,68	5,54
CSGTR1P160090SD9	160	090	460	440	150	82	-	1,83	2,25	2,76	3,36	4,14	5,02	6,00	7,09
CSGTR1P160110SD9	160	110	460	440	150	86	-	1,86	2,29	2,81	3,42	4,21	5,11	6,10	7,22
CSGTR1P160125SD9	160	125	460	440	150	92	-	1,89	2,32	2,85	3,48	4,28	5,19	6,20	7,34
CSGTR1P160140SD9	160	140	460	440	150	95	-	1,92	2,37	2,90	3,55	4,36	5,29	6,32	7,48
CSGTR1P180090SD9	180	090	680	565	250	82	-	3,30	4,07	4,99	6,09	7,49	9,08	10,85	12,83
CSGTR1P180110SD9	180	110	680	565	250	86	-	3,34	4,11	5,04	6,15	7,56	9,18	10,96	12,97
CSGTR1P180125SD9	180	125	680	565	250	92	-	3,37	4,14	5,08	6,20	7,63	9,26	11,06	13,08
CSGTR1P180140SD9	180	140	680	565	250	95	-	3,40	4,19	5,14	6,27	7,72	9,36	11,18	13,23
CSGTR1P180160SD9	180	160	680	565	250	105	-	3,46	4,26	5,22	6,38	7,85	9,52	11,37	13,46
CSGTR1P200110SD9	200	110	700	590	250	90	-	4,21	5,19	6,36	7,76	9,55	11,58	13,84	16,37
CSGTR1P200125SD9	200	125	700	590	250	92	-	4,25	5,23	6,41	7,82	9,63	11,67	13,95	16,50
CSGTR1P200140SD9	200	140	700	590	250	95	-	4,28	5,27	6,47	7,89	9,71	11,78	14,07	16,65
CSGTR1P200160SD9	200	160	700	590	250	102	-	4,34	5,34	6,55	8,00	9,84	11,93	14,26	16,87
CSGTR1P200180SD9	200	180	700	590	250	110	-	4,41	5,43	6,66	8,12	10,00	12,13	14,49	17,15
CSGTR1P225110SD9	225	110	725	623	250	90	-	5,49	6,76	8,28	10,11	12,43	15,08	18,01	21,31
CSGTR1P225125SD9	225	125	725	623	250	92	-	5,52	6,80	8,33	10,17	12,51	15,18	18,13	21,44
CSGTR1P225140SD9	225	140	725	623	250	95	-	5,56	6,84	8,39	10,24	12,60	15,28	18,26	21,60
CSGTR1P225160SD9	225	160	725	623	250	105	-	5,62	6,91	8,47	10,34	12,73	15,43	18,44	21,82
CSGTR1P225180SD9	225	180	725	623	250	110	-	5,69	7,00	8,59	10,48	12,89	15,64	18,68	22,10
CSGTR1P225200SD9	225	200	725	623	250	120	-	5,77	7,10	8,71	10,63	13,08	15,87	18,97	22,44

TÊ 90° REDUÇÃO MONTADO

TÊ 90°

PN da Conexão = 0,5 x PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

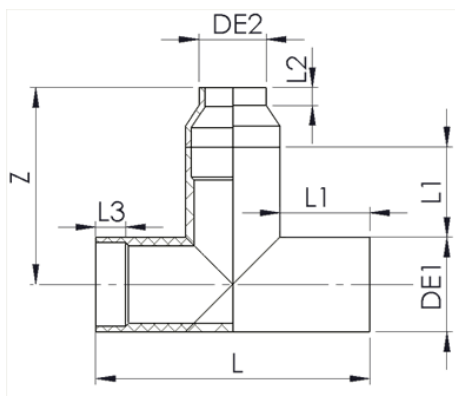
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	Z	L1	L2	Peso (kg)								
							PN 2	PN 2,5	PN 3	PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5
							SDR								
							41	33	26	21	17	13	11	09	07
CSGTR1P250160SD9	250	160	750	650	250	105	-	7,09	8,73	10,70	13,06	16,07	19,49	23,28	27,54
CSGTR1P250180SD9	250	180	750	650	250	110	-	7,16	8,82	10,81	13,20	16,23	19,69	23,53	27,83
CSGTR1P250200SD9	250	200	750	650	250	120	-	7,24	8,92	10,93	13,34	16,42	19,91	23,80	28,15
CSGTR1P250225SD9	250	225	750	650	250	125	-	7,37	9,07	11,13	13,58	16,71	20,27	24,22	28,66
CSGTR1P280200SD9	280	200	780	700	250	120	-	9,42	11,60	14,22	17,36	21,35	25,90	30,95	36,61
CSGTR1P280225SD9	280	225	780	700	250	125	-	9,55	11,76	14,42	17,60	21,65	26,26	31,38	37,12
CSGTR1P280250SD9	280	250	780	700	250	135	-	9,70	11,94	14,64	17,87	21,99	26,67	31,87	37,71
CSGTR1P315200SD9	315	200	915	793	300	120	*	13,68	16,84	20,65	25,20	31,00	37,60	44,91	53,13
CSGTR1P315225SD9	315	225	915	793	300	125	*	13,82	17,01	20,86	25,46	31,31	37,98	45,37	53,67
CSGTR1P315250SD9	315	250	915	793	300	135	*	13,97	17,20	21,09	25,74	31,66	38,41	45,88	54,28
CSGTR1P315280SD9	315	280	1115	893	400	160	*	14,19	17,46	21,41	26,13	32,16	39,01	46,61	55,15
CSGTR1P355225SD9	355	225	1155	968	400	130	*	21,86	26,90	32,98	40,24	49,50	60,02	71,69	84,79
CSGTR1P355250SD9	355	250	1155	968	400	130	*	22,05	27,14	33,28	40,61	49,95	60,57	72,35	85,56
CSGTR1P355280SD9	355	280	1155	968	400	139	*	22,30	27,45	33,65	41,07	50,52	61,26	73,18	86,55
CSGTR1P355315SD9	355	315	1155	968	400	150	*	22,65	27,87	34,17	41,71	51,31	62,22	74,33	87,92
CSGTR1P400280SD9	400	280	1200	1020	400	139	*	29,02	35,72	43,79	53,44	65,73	79,71	95,20	112,59
CSGTR1P400315SD9	400	315	1200	1020	400	150	*	29,37	36,14	44,31	54,08	66,52	80,66	96,35	113,96
CSGTR1P400355SD9	400	355	1200	1020	400	165	*	29,84	36,72	45,03	54,95	67,60	81,98	97,94	115,84
CSGTR1P450315SD9	450	315	1250	625	400	76	*	*	43,42	*	64,51	*	94,55	113,21	133,87
CSGTR1P450355SD9	450	355	1250	625	400	92	*	*	43,42	*	64,16	*	95,79	113,65	134,43
CSGTR1P450400SD9	450	400	1250	625	400	99	*	*	43,42	*	64,21	*	95,88	114,02	134,98
CSGTR1P500355SD9	500	355	1300	650	400	81	*	*	55,28	*	81,89	*	122,04	143,89	-
CSGTR1P500400SD9	500	400	1300	650	400	96	*	*	55,68	*	81,04	*	-	-	-
CSGTR1P500450SD9	500	450	1300	650	400	63	*	*	55,38	*	81,05	*	125,41	143,40	-
CSGTR1P560400SD9	560	400	1360	680	400	98	*	*	72,52	*	106,96	*	158,38	-	-
CSGTR1P560450SD9	560	450	1360	680	400	65	*	*	71,72	*	105,03	*	156,54	-	-
CSGTR1P560500SD9	560	500	1360	680	400	61	*	*	71,02	*	105,03	*	155,64	-	-
CSGTR1P630450SD9	630	450	1430	715	400	68	*	*	94,98	*	140,13	*	208,14	-	-
CSGTR1P630500SD9	630	500	1430	715	400	61	*	*	95,80	*	139,63	*	206,69	-	-
CSGTR1P630560SD9	630	560	1430	715	400	65	*	*	94,28	*	140,59	*	205,91	-	-
CSGTR1P710560SD9	710	560	1510	755	400	40	*	*	160,80	*	234,43	*	350,15	-	-
CSGTR1P710630SD9	710	630	1910	955	600	62	*	*	159,10	*	238,51	*	349,91	-	-
CSGTR1P800710SD9	800	710	2000	1000	600	62	*	*	207,62	*	313,47	*	458,16	-	-
CSGTR1P900800SD9	900	800	2100	1050	600	62	*	*	272,69	*	408,12	*	599,31	-	-
CSGTR1PC10900SD9	1000	900	2200	1100	600	56	*	*	347,30	*	529,99	*	769,31	-	-
CSGTR1PC12C10SD9	1200	1000	2400	1200	600	45	*	*	534,60	*	796,35	*	-	-	-

TÊ 90° REDUÇÃO MONTADO SUPER

TÊ 90° Redução

PN da Conexão = PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

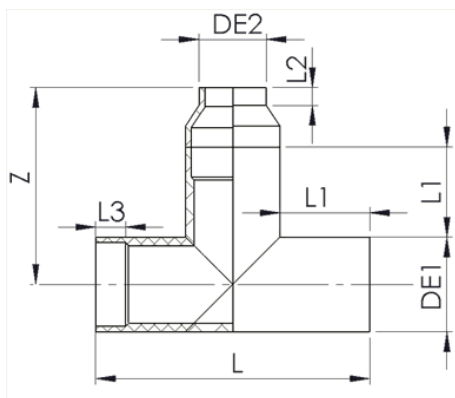
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	Z	L1	L2	L3	Peso (kg)						
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16
								SDR						
								41	33	26	21	17	13	11
CSGTR1P063032SD9R	063	032	363	322	150	50	50	-	-	-	-	0,70	0,84	0,98
CSGTR1P063040SD9R	063	040	363	322	150	52	50	-	-	-	-	0,70	0,85	0,99
CSGTR1P063050SD9R	063	050	363	322	150	60	50	-	-	-	-	0,71	0,86	1,01
CSGTR1P075040SD9R	075	040	375	338	150	52	50	-	-	-	-	1,02	1,23	1,44
CSGTR1P075050SD9R	075	050	375	338	150	60	50	-	-	-	-	1,02	1,24	1,45
CSGTR1P075063SD9R	075	063	375	338	150	65	50	-	-	-	-	1,04	1,26	1,48
CSGTR1P090050SD9R	090	050	390	365	150	60	50	-	-	-	1,27	1,52	1,84	2,16
CSGTR1P090063SD9R	090	063	390	365	150	65	50	-	-	-	1,29	1,54	1,86	2,18
CSGTR1P090075SD9R	090	075	390	365	150	73	50	-	-	-	1,30	1,56	1,88	2,21
CSGTR1P110063SD9R	110	063	410	385	150	65	60	-	-	1,63	1,98	2,37	2,86	3,35
CSGTR1P110075SD9R	110	075	410	385	150	73	60	-	-	1,64	1,99	2,39	2,88	3,38
CSGTR1P110090SD9R	110	090	410	385	150	82	60	-	-	1,66	2,02	2,42	2,92	3,43
CSGTR1P125063SD9R	125	063	425	403	150	65	60	-	-	2,16	2,62	3,14	3,78	4,44
CSGTR1P125075SD9R	125	075	425	403	150	73	60	-	-	2,17	2,63	3,15	3,81	4,46
CSGTR1P125090SD9R	125	090	425	403	150	82	60	-	-	2,19	2,66	3,18	3,84	4,51
CSGTR1P125110SD9R	125	110	425	403	150	86	60	-	-	2,23	2,71	3,25	3,92	4,60
CSGTR1P140075SD9R	140	075	440	420	150	73	60	-	2,26	2,78	3,38	4,05	4,89	5,73
CSGTR1P140090SD9R	140	090	440	420	150	82	60	-	2,28	2,80	3,41	4,08	4,92	5,78
CSGTR1P140110SD9R	140	110	440	420	150	86	60	-	2,31	2,85	3,46	4,14	5,00	5,87
CSGTR1P140125SD9R	140	125	440	420	150	92	60	-	2,34	2,88	3,50	4,20	5,07	5,96
CSGTR1P160090SD9R	160	090	460	440	150	82	60	-	3,07	3,78	4,59	5,49	6,63	7,78
CSGTR1P160110SD9R	160	110	460	440	150	86	60	-	3,10	3,82	4,63	5,55	6,70	7,87
CSGTR1P160125SD9R	160	125	460	440	150	92	60	-	3,13	3,85	4,68	5,61	6,77	7,95
CSGTR1P160140SD9R	160	140	460	440	150	95	60	-	3,17	3,90	4,73	5,67	6,85	8,05
CSGTR1P180090SD9R	180	090	680	565	250	82	60	-	5,70	7,01	8,52	10,20	12,30	14,41
CSGTR1P180110SD9R	180	110	230	340	25	86	60	-	5,73	7,06	8,57	10,26	12,37	14,50
CSGTR1P180125SD9R	180	125	680	565	250	92	60	-	5,76	7,09	8,61	10,31	12,44	14,58
CSGTR1P180140SD9R	180	140	680	565	250	95	60	-	5,80	7,14	8,67	10,38	12,52	14,68
CSGTR1P180160SD9R	180	160	680	565	250	105	60	-	5,86	7,21	8,75	10,49	12,65	14,84
CSGTR1P200110SD9R	200	110	700	590	250	90	60	-	7,24	8,90	10,81	12,94	15,61	18,30
CSGTR1P200125SD9R	200	125	700	590	250	92	60	-	7,27	8,94	10,86	13,00	15,69	18,39
CSGTR1P200140SD9R	200	140	700	590	250	95	60	-	7,31	8,99	10,92	13,07	15,77	18,49
CSGTR1P200160SD9R	200	160	700	590	250	102	60	-	7,36	9,06	11,00	13,18	15,90	18,65
CSGTR1P200180SD9R	200	180	700	590	250	110	60	-	7,43	9,15	11,11	13,31	16,06	18,84

TÊ 90° REDUÇÃO MONTADO SUPER

TÊ 90° Redução

PN da Conexão = PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

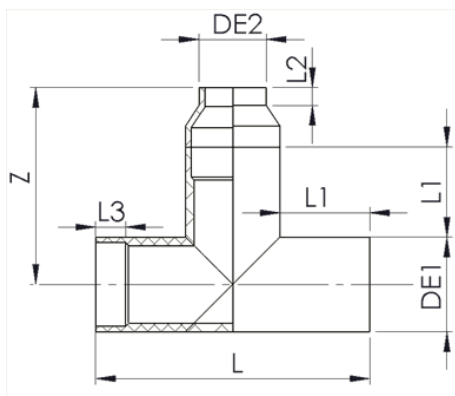
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	Z	L1	L2	L3	Peso (kg)						
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16
								SDR						
								41	33	26	21	17	13	11
CSGTR1P225110SD9R	225	110	725	623	250	90	60	-	9,41	11,58	14,07	16,84	20,31	23,80
CSGTR1P225125SD9R	225	125	725	623	250	92	60	-	9,45	11,63	14,12	16,90	20,39	23,90
CSGTR1P225140SD9R	225	140	725	623	250	95	60	-	9,49	11,67	14,18	16,97	20,48	24,00
CSGTR1P225160SD9R	225	160	725	623	250	105	60	-	9,54	11,74	14,26	17,07	20,60	24,16
CSGTR1P225180SD9R	225	180	725	623	250	110	60	-	9,61	11,83	14,37	17,21	20,77	24,36
CSGTR1P225200SD9R	225	200	725	623	250	120	60	-	9,70	11,93	14,49	17,36	20,96	24,59
CSGTR1P250160SD9R	250	160	750	650	250	105	60	-	12,06	14,84	18,02	21,58	26,04	30,53
CSGTR1P250180SD9R	250	180	750	650	250	110	60	-	12,13	14,93	18,13	21,72	26,20	30,73
CSGTR1P250200SD9R	250	200	750	650	250	120	60	-	12,21	15,03	18,25	21,87	26,39	30,96
CSGTR1P250225SD9R	250	225	750	650	250	125	60	-	12,34	15,19	18,45	22,10	26,68	31,31
CSGTR1P280200SD9R	280	200	780	700	250	120	80	-	15,85	19,50	23,68	28,37	34,24	40,17
CSGTR1P280225SD9R	280	225	780	700	250	125	80	-	15,98	19,66	23,88	28,61	34,53	40,53
CSGTR1P280250SD9R	280	250	780	700	250	135	80	-	16,12	19,84	24,10	28,88	34,87	40,94
CSGTR1P315200SD9R	315	200	915	793	300	120	80	*	23,27	28,64	34,77	41,64	50,24	58,90
CSGTR1P315225SD9R	315	225	915	793	300	125	80	*	23,41	28,80	34,98	41,89	50,55	59,28
CSGTR1P315250SD9R	315	250	915	793	300	135	80	*	23,56	28,99	35,21	42,18	50,90	59,71
CSGTR1P315280SD9R	315	280	1115	893	400	160	80	*	23,77	29,25	35,53	42,57	51,39	60,31
CSGTR1P355225SD9R	355	225	1155	968	400	130	100	*	37,44	46,07	55,93	66,96	80,76	94,65
CSGTR1P355250SD9R	355	250	1155	968	400	130	100	*	37,64	46,31	56,23	67,33	81,21	95,20
CSGTR1P355280SD9R	355	280	1155	968	400	139	100	*	37,89	46,62	56,61	67,79	81,78	95,89
CSGTR1P355315SD9R	355	315	1155	968	400	150	100	*	38,23	47,04	57,13	68,43	82,57	96,85
CSGTR1P400280SD9R	400	280	1200	1020	400	139	100	*	49,38	60,76	73,78	88,35	106,57	-
CSGTR1P400315SD9R	400	315	1200	1020	400	150	100	*	49,73	61,18	74,30	88,98	107,36	-
CSGTR1P400355SD9R	400	355	1200	1020	400	165	100	*	50,20	61,77	75,02	89,86	108,44	-
CSGTR1P450315SD9R	450	315	1250	625	400	76	100	*	*	76,11	*	110,07	*	-
CSGTR1P450355SD9R	450	355	1250	625	400	92	100	*	*	76,11	*	109,72	*	-
CSGTR1P450400SD9R	450	400	1250	625	400	99	100	*	*	76,11	*	109,77	*	-
CSGTR1P500355SD9R	500	355	1300	650	400	81	100	*	*	96,85	*	139,84	-	-
CSGTR1P500400SD9R	500	400	1300	650	400	96	100	*	*	97,25	*	138,99	-	-
CSGTR1P500450SD9R	500	450	1300	650	400	63	100	*	*	96,95	*	139,00	-	-
CSGTR1P560400SD9R	560	400	1360	680	400	98	100	*	*	126,52	*	-	-	-
CSGTR1P560450SD9R	560	450	1360	680	400	65	100	*	*	125,72	*	-	-	-
CSGTR1P560500SD9R	560	500	1360	680	400	61	100	*	*	125,02	*	-	-	-

TÊ 90° REDUÇÃO MONTADO SUPER

TÊ 90° Redução

PN da Conexão = PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

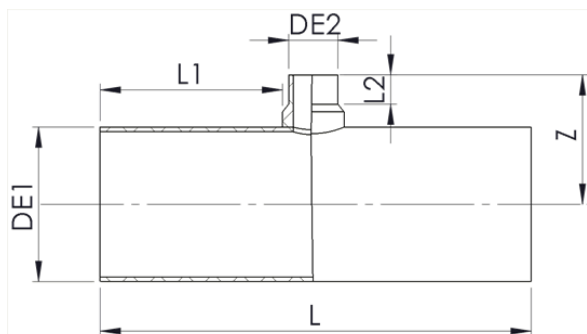
CÓDIGO	DE1	DE2	L	Z	L1	L2	L3	Peso (kg)						
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16
								SDR						
								41	33	26	21	17	13	11
CSGTR1P630450SD9R	630	450	1430	715	400	68	100	*	*	166,04	*	-	-	-
CSGTR1P630500SD9R	630	500	1430	715	400	61	100	*	*	166,86	*	-	-	-
CSGTR1P630560SD9R	630	560	1430	715	400	65	100	*	*	165,34	*	-	-	-
CSGTR1P710560SD9R	710	560	1510	755	400	40	100	*	*	284,58	*	-	-	-
CSGTR1P710630SD9R	710	630	1910	955	600	62	100	*	*	282,88	*	-	-	-
CSGTR1P800710SD9R	800	710	2000	1000	600	62	100	*	*	370,41	*	-	-	-
CSGTR1P900800SD9R	900	800	2100	1050	600	62	100	*	*	486,64	*	-	-	-
CSGTR1PC10900SD9R	1000	900	2200	1100	600	56	100	*	*	621,22	*	-	-	-
CSGTR1PC12C10SD9R	1200	1000	2400	1200	600	45	100	*	*	957,21	*	-	-	-

TÊ 90° REDUÇÃO TIPO SELA

TÊ 90° Redução Tipo Sela

PN da Conexão = PN equivalente SDR da extremidade

FGS BRASIL
Tubos e Conexões



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

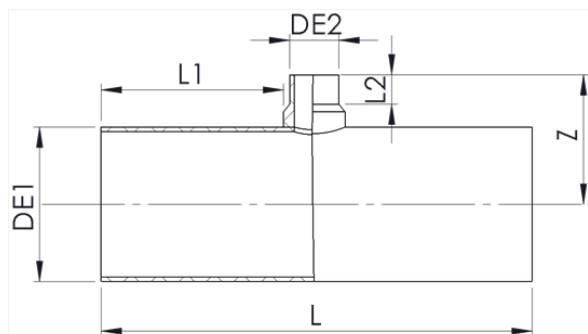
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	L1	Z	L2	SDR	Peso (KG)								
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16	PN 20	PN 25
								SDR								
								41	33	26	21	17	13	11	09	07
CSGTS1P200063SD	200	063	620	250	268,06	65,00	17-7,4	-	-	-	-	5,41	6,44	7,54	8,83	10,38
CSGTS1P200075SD	200	075	620	250	268,06	73,00	17-7,4	-	-	-	-	5,31	6,35	7,47	8,77	10,34
CSGTS1P200090SD	200	090	620	250	268,06	82,00	17-7,4	-	-	-	-	5,17	6,23	7,37	8,70	10,30
CSGTS1P225063SD	225	063	620	250	283,54	86,00	17-7,4	-	-	-	-	6,50	7,76	9,17	10,75	12,77
CSGTS1P225075SD	225	075	620	250	283,54	73,00	17-7,4	-	-	-	-	6,48	7,75	9,17	10,76	12,80
CSGTS1P225090SD	225	090	620	250	283,54	82,00	17-7,4	-	-	-	-	6,34	7,63	9,08	10,69	12,76
CSGTS1P250063SD	250	063	620	250	298,25	86,00	17-7,4	-	-	-	-	7,79	9,36	11,08	13,03	15,47
CSGTS1P250075SD	250	075	620	250	298,25	73,00	17-7,4	-	-	-	-	7,76	9,35	11,08	13,04	15,51
CSGTS1P250090SD	250	090	620	250	298,25	82,00	17-7,4	-	-	-	-	7,63	9,24	10,98	12,97	15,46
CSGTS1P250110SD	250	110	660	250	313,56	86,00	17-7,4	-	-	-	-	8,31	10,06	11,96	14,12	16,82
CSGTS1P280090SD	280	090	620	250	315,27	82,00	17-7,4	-	-	-	-	9,32	11,34	13,52	16,05	19,13
CSGTS1P280110SD	280	110	700	250	361,24	90,00	17-7,4	-	-	-	-	10,84	13,16	15,68	18,58	22,13
CSGTS1P280125SD	280	125	700	250	354,89	92,00	17-7,4	-	-	-	-	11,22	13,58	16,14	19,08	22,67
CSGTS1P315090SD	315	090	760	300	334,57	82,00	17-7,4	-	-	-	-	14,02	17,11	20,46	24,24	29,05
CSGTS1P315110SD	315	110	800	300	381,09	90,00	17-7,4	-	-	-	-	15,13	18,44	22,02	26,07	31,19
CSGTS1P315125SD	315	125	800	300	375,67	92,00	17-7,4	-	-	-	-	15,52	18,86	22,47	26,56	31,73
CSGTS1P315140SD	315	140	800	300	361,68	95,00	17-7,4	-	-	-	-	16,70	20,08	23,73	27,87	33,09
CSGTS1P315160SD	315	160	800	300	361,68	102,00	17-7,4	-	-	-	-	16,31	19,75	23,46	27,67	32,97
CSGTS1P355090SD	355	090	1000	400	376,13	82,00	17-7,4	-	-	-	-	23,04	28,06	33,65	40,03	47,90
CSGTS1P355110SD	355	110	1000	400	403,11	90,00	17-7,4	-	-	-	-	23,34	28,41	34,06	40,49	48,43
CSGTS1P355125SD	355	125	1000	400	398,45	92,00	21-7,4	-	-	-	19,43	23,72	28,83	34,51	40,99	48,97
CSGTS1P355140SD	355	140	1000	400	386,65	95,00	21-7,4	-	-	-	20,58	24,90	30,05	35,77	42,29	50,33
CSGTS1P355160SD	355	160	1000	400	386,65	102,00	21-7,4	-	-	-	20,15	24,52	29,72	35,50	42,10	50,21
CSGTS1P400110SD	400	110	960	400	397,35	86,00	21-7,4	-	-	-	22,92	27,98	34,18	40,97	48,76	58,41
CSGTS1P400125SD	400	125	1000	400	423,30	92,00	21-7,4	-	-	-	24,36	29,66	36,16	43,28	51,45	61,57
CSGTS1P400140SD	400	140	1000	400	413,21	95,00	21-7,4	-	-	-	25,51	30,84	37,38	44,54	52,76	62,92
CSGTS1P400160SD	400	160	1000	400	413,21	102,00	21-7,4	-	-	-	25,08	30,45	37,05	44,27	52,56	62,80
CSGTS1P400180SD	400	180	1050	400	431,12	110,00	21-7,4	-	-	-	28,58	34,30	41,32	49,01	57,83	68,72
CSGTS1P400200SD	400	200	1050	400	431,12	120,00	21-7,4	-	-	-	27,94	33,72	40,82	48,60	57,53	68,53
CSGTS1P450110SD	450	110	1000	400	453,83	90,00	21-7,4	-	-	-	30,04	36,63	44,87	53,82	63,96	76,33
CSGTS1P450125SD	450	125	1000	400	450,30	92,00	21-7,4	-	-	-	30,40	37,01	45,29	54,28	64,45	76,87
CSGTS1P450140SD	450	140	1000	400	441,56	95,00	21-7,4	-	-	-	31,55	38,19	46,51	55,53	65,76	78,22
CSGTS1P450160SD	450	160	1000	400	441,56	102,00	21-7,4	-	-	-	31,12	37,80	46,18	55,27	65,56	78,10
CSGTS1P450180SD	450	180	1000	400	427,08	102,00	21-7,4	-	-	-	32,86	39,59	48,03	57,19	67,56	80,20
CSGTS1P450200SD	450	200	1080	400	497,08	120,00	21-7,4	-	-	-	35,85	43,24	52,50	62,57	73,97	87,83
CSGTS1P500110SD	500	110	1000	400	480,00	90,00	21-9,0	-	-	-	36,80	44,96	55,08	66,05	78,65	-
CSGTS1P500125SD	500	125	1000	400	476,85	92,00	21-9,0	-	-	-	37,16	45,35	55,49	66,51	79,14	-
CSGTS1P500140SD	500	140	1000	400	469,13	95,00	21-9,0	-	-	-	38,31	46,52	56,71	67,76	80,45	-
CSGTS1P500160SD	500	160	1000	400	469,13	102,00	26-9,0	-	-	31,21	37,88	46,14	56,38	67,50	80,25	-
CSGTS1P500180SD	500	180	1050	400	491,51	110,00	26-9,0	-	-	34,96	42,02	50,77	61,62	73,40	86,91	-
CSGTS1P500200SD	500	200	1080	400	526,51	120,00	26-9,0	-	-	35,80	43,14	52,24	63,52	75,78	89,84	-
CSGTS1P500225SD	500	225	1080	400	517,12	125,00	26-9,0	-	-	36,81	44,24	53,43	64,84	77,25	91,46	-
CSGTS1P500250SD	500	250	1080	400	517,12	135,00	26-9,0	-	-	35,63	43,15	52,46	64,01	76,57	90,96	-

TÊ 90° REDUÇÃO TIPO SELA

TÊ 90° Redução Tipo Sela

PN da Conexão = PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

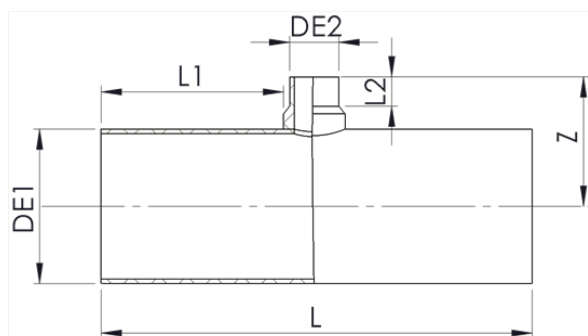
NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	L1	Z	L2	SDR	Peso (KG)								
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16	PN 20	PN 25
								SDR								
								41	33	26	21	17	13	11	09	07
CSGTS1P560110SD	560	110	1000	400	511,11	90,00	21-11	-	-	-	45,76	56,01	68,62	82,49	-	-
CSGTS1P560125SD	560	125	1000	400	508,33	92,00	21-11	-	-	-	46,12	56,39	69,04	82,94	-	-
CSGTS1P560140SD	560	140	1000	400	501,53	95,00	21-11	-	-	-	47,27	57,57	70,25	84,20	-	-
CSGTS1P560160SD	560	160	1000	400	501,53	102,00	26-11	-	-	38,56	46,84	57,19	69,92	83,94	-	-
CSGTS1P560180SD	560	180	1050	400	525,55	110,00	26-11	-	-	42,67	51,43	62,37	75,84	90,66	-	-
CSGTS1P560200SD	560	200	1080	400	560,55	120,00	33-11	-	36,12	43,73	52,83	64,17	78,15	93,53	-	-
CSGTS1P560225SD	560	225	1080	400	552,49	125,00	33-11	-	37,06	44,74	53,92	65,37	79,47	95,00	-	-
CSGTS1P560250SD	560	250	1080	400	552,49	135,00	33-11	-	35,80	43,56	52,83	64,39	78,63	94,32	-	-
CSGTS1P630110SD	630	110	1000	400	547,12	90,00	21-11	-	-	-	57,51	70,61	86,48	103,93	-	-
CSGTS1P630125SD	630	125	1000	400	544,67	92,00	21-11	-	-	-	57,87	70,99	86,90	104,39	-	-
CSGTS1P630140SD	630	140	1000	400	538,71	95,00	21-11	-	-	-	59,02	72,17	88,11	105,64	-	-
CSGTS1P630160SD	630	160	1000	400	538,71	102,00	26-11	-	-	48,26	58,59	71,79	87,78	105,38	-	-
CSGTS1P630180SD	630	180	1050	400	564,14	110,00	26-11	-	-	52,86	63,76	77,70	94,59	113,17	-	-
CSGTS1P630200SD	630	200	1080	400	599,14	120,00	33-11	-	44,64	54,21	65,51	79,94	97,44	116,69	-	-
CSGTS1P630225SD	630	225	1080	400	592,18	125,00	33-11	-	45,58	55,22	66,60	81,13	98,76	118,16	-	-
CSGTS1P630250SD	630	250	1080	400	592,18	135,00	33-11	-	44,32	54,04	65,51	80,16	97,92	117,48	-	-
CSGTS1P630280SD	630	280	1154	400	650,23	139,00	33-11	-	53,49	64,08	76,59	92,53	111,89	133,23	-	-
CSGTS1P630315SD	630	315	1154	400	650,23	150,00	33-11	-	50,91	61,67	74,39	90,58	110,25	131,94	-	-
CSGTS1P710110SD	710	110	1000	400	588,03	90,00	21-11	-	-	-	72,90	89,26	109,41	131,67	-	-
CSGTS1P710125SD	710	125	1000	400	585,87	92,00	21-11	-	-	-	73,26	89,64	109,83	132,12	-	-
CSGTS1P710140SD	710	140	1000	400	580,62	95,00	21-11	-	-	-	74,41	90,82	111,04	133,38	-	-
CSGTS1P710160SD	710	160	1000	400	580,62	102,00	26-11	-	-	60,73	73,98	90,44	110,71	133,11	-	-
CSGTS1P710180SD	710	180	1050	400	607,26	110,00	26-11	-	-	65,95	79,93	97,28	118,66	142,29	-	-
CSGTS1P710200SD	710	200	1080	400	642,26	120,00	33-11	-	55,65	67,68	82,14	100,08	122,20	146,64	-	-
CSGTS1P710225SD	710	225	1080	400	636,23	125,00	33-11	-	56,59	68,69	83,23	101,27	123,52	148,11	-	-
CSGTS1P710250SD	710	250	1080	400	636,23	135,00	33-11	-	55,33	67,51	82,14	100,30	122,68	147,43	-	-
CSGTS1P710280SD	710	280	1154	400	697,44	139,00	33-11	-	65,26	78,47	94,36	114,05	138,35	165,23	-	-
CSGTS1P710315SD	710	315	1154	400	697,44	150,00	33-11	-	62,68	76,07	92,16	112,10	136,71	163,95	-	-
CSGTS1P800110SD	800	110	1000	400	633,83	90,00	21-11	-	-	-	92,10	113,06	138,62	166,58	-	-
CSGTS1P800125SD	800	125	1000	400	631,92	92,00	21-11	-	-	-	92,46	113,44	139,04	167,03	-	-
CSGTS1P800140SD	800	140	1000	400	627,30	95,00	21-11	-	-	-	93,61	114,62	140,25	168,29	-	-
CSGTS1P800160SD	800	160	1000	400	627,30	102,00	26-11	-	-	76,31	93,18	114,24	139,92	168,02	-	-
CSGTS1P800180SD	800	180	1050	400	654,97	110,00	26-11	-	-	82,31	100,09	122,27	149,34	178,95	-	-
CSGTS1P800200SD	800	200	1080	400	689,97	120,00	33-11	-	69,43	84,50	102,87	125,79	153,75	184,35	-	-
CSGTS1P800225SD	800	225	1480	600	684,70	125,00	33-11	-	94,57	115,20	140,34	171,70	209,97	251,85	-	-
CSGTS1P800250SD	800	250	1480	600	684,70	135,00	33-11	-	93,31	114,02	139,25	170,73	209,14	251,18	-	-
CSGTS1P800280SD	800	280	1600	600	778,46	139,00	33-11	-	107,96	130,60	158,18	192,57	234,56	280,53	-	-
CSGTS1P800315SD	800	315	1600	600	778,46	150,00	33-11	-	105,11	127,93	155,73	190,38	232,71	279,06	-	-
CSGTS1P800355SD	800	355	1600	600	766,41	165,00	33-11	-	107,15	130,21	158,29	193,28	236,04	282,89	-	-

TÊ 90° REDUÇÃO TIPO SELA

TÊ 90° Redução Tipo Sela

PN da Conexão = PN equivalente SDR da extremidade



MATERIAL: PE 100 PRETO

APLICAÇÃO: ÁGUA

NORMAS: PARA ÁGUA E LÍQUIDOS EM GERAL: NBR 15953 - ISO 4427-3 - EN 12201-3

CÓDIGO	DE1	DE2	L	L1	Z	L2	SDR	Peso (KG)								
								PN 4	PN 5	PN 6	PN 8	PN 10	PN 12,5	PN 16	PN 20	PN 25
								SDR								
								41	33	26	21	17	13	11	09	07
CSGTS1P900110SD	900	110	1400	600	684,52	90,00	21-11	-	-	-	162,25	199,22	243,27	294,05	-	-
CSGTS1P900125SD	900	125	1400	600	682,83	92,00	21-11	-	-	-	162,61	199,61	243,68	294,50	-	-
CSGTS1P900140SD	900	140	1400	600	678,75	95,00	21-11	-	-	-	163,76	200,78	244,90	295,76	-	-
CSGTS1P900160SD	900	160	1400	600	678,75	102,00	26-11	-	-	133,77	163,33	200,40	244,57	295,49	-	-
CSGTS1P900180SD	900	180	1450	600	707,29	110,00	26-11	-	-	140,76	171,45	209,91	255,76	308,61	-	-
CSGTS1P900200SD	900	200	1480	600	742,29	120,00	33-11	-	117,32	143,55	174,96	214,32	261,24	315,33	-	-
CSGTS1P900225SD	900	225	1480	600	737,67	125,00	33-11	-	118,26	144,56	176,05	215,51	262,56	316,79	-	-
CSGTS1P900250SD	900	250	1480	600	737,67	135,00	33-11	-	117,00	143,38	174,96	214,53	261,72	316,12	-	-
CSGTS1P900280SD	900	280	1600	600	833,51	139,00	33-11	-	133,58	162,35	196,79	239,93	291,40	350,74	-	-
CSGTS1P900315SD	900	315	1600	600	833,51	150,00	33-11	-	130,72	159,67	194,33	237,74	289,55	349,27	-	-
CSGTS1P900355SD	900	355	1600	600	823,11	165,00	33-11	-	132,76	161,95	196,90	240,64	292,89	353,10	-	-
CSGTS1PC10110SD	1000	110	1400	600	735,08	90,00	21-11	-	-	-	200,19	245,52	295,99	360,68	-	-
CSGTS1PC10125SD	1000	125	1400	600	733,56	92,00	21-11	-	-	-	200,55	245,90	296,41	361,13	-	-
CSGTS1PC10140SD	1000	140	1400	600	729,90	95,00	21-11	-	-	-	201,70	247,08	297,63	362,39	-	-
CSGTS1PC10160SD	1000	160	1400	600	729,90	102,00	26-11	-	-	164,45	201,27	246,70	297,30	362,12	-	-
CSGTS1PC10180SD	1000	180	1450	600	759,12	110,00	26-11	-	-	172,54	210,74	257,86	310,37	377,62	-	-
CSGTS1PC10200SD	1000	200	1480	600	794,12	120,00	33-11	-	144,00	175,98	215,06	263,26	316,98	385,77	-	-
CSGTS1PC10225SD	1000	225	1480	600	790,00	125,00	33-11	-	144,94	176,99	216,15	264,45	318,30	387,23	-	-
CSGTS1PC10250SD	1000	250	1480	600	790,00	135,00	33-11	-	143,68	175,81	215,06	263,47	317,46	386,56	-	-
CSGTS1PC10280SD	1000	280	1600	600	887,43	139,00	33-11	-	162,42	197,41	240,14	292,84	351,66	426,89	-	-
CSGTS1PC10315SD	1000	315	1600	600	887,43	150,00	33-11	-	159,56	194,73	237,69	290,65	349,81	425,42	-	-
CSGTS1PC10355SD	1000	355	1600	600	878,26	165,00	33-11	-	161,61	197,01	240,25	293,55	353,15	429,25	-	-
CSGTS1PC12110SD	1200	110	1400	600	835,90	90,00	21-11	-	-	-	287,63	341,90	430,99	-	-	-
CSGTS1PC12125SD	1200	125	1400	600	834,64	92,00	21-11	-	-	-	287,99	342,29	431,41	-	-	-
CSGTS1PC12140SD	1200	140	1400	600	831,61	95,00	21-11	-	-	-	289,14	343,47	432,63	-	-	-
CSGTS1PC12160SD	1200	160	1400	600	831,61	102,00	26-13	-	-	235,89	288,71	343,08	432,29	-	-	-
CSGTS1PC12180SD	1200	180	1450	600	861,83	110,00	26-13	-	-	246,53	301,30	357,69	450,19	-	-	-
CSGTS1PC12200SD	1200	200	1480	600	896,83	120,00	33-13	-	205,32	251,51	307,49	365,15	459,69	-	-	-
CSGTS1PC12225SD	1200	225	1480	600	893,44	125,00	33-13	-	206,26	252,52	308,59	366,35	461,01	-	-	-
CSGTS1PC12250SD	1200	250	1480	600	893,44	135,00	33-13	-	205,00	251,34	307,50	365,37	460,17	-	-	-
CSGTS1PC12280SD	1200	280	1600	600	993,14	139,00	33-13	-	228,71	279,05	340,07	402,99	505,95	-	-	-
CSGTS1PC12315SD	1200	315	1600	600	993,14	150,00	33-13	-	225,85	276,38	337,62	400,80	504,10	-	-	-
CSGTS1PC12355SD	1200	355	1600	600	985,69	165,00	33-13	-	227,90	278,66	340,18	403,71	507,43	-	-	-