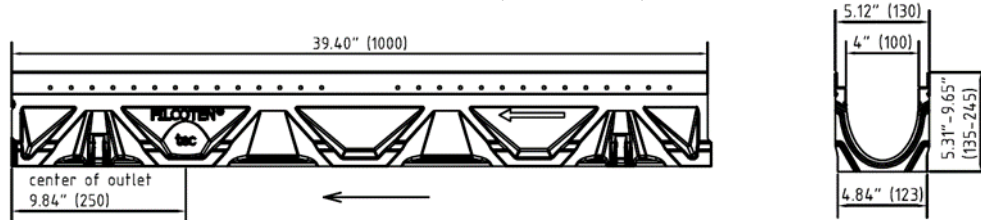




TECHNICAL SPECIFICATION

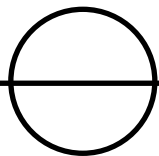
NDS-FILCOTEN 4 (100mm) GALVANIZED STEEL RAIL CHANNEL LOAD CLASS A 15kN-CLASS E 600kN (DIN 19580)



	SERIES 100 (4 IN)			OVERALL BODY (IN)		INVERT (IN)		MAXIMUM FLOW RATE			WEIGHT (LESS GRATE)	
	Part Number	Channel Sequence	Slope	Min Depth	Max Depth	Min	Max	GPM	LPS	CFS	Lbs	Kg
<input type="checkbox"/>	10410200	0	NEUTRAL (0%)	5.31	5.31	4.72	4.72	48	3.0	0.11	28.7	13.0
<input type="checkbox"/>	10410201	1	0.5 %	5.31	5.51	4.72	4.92	↓	↓	↓	29.5	13.4
<input type="checkbox"/>	10410202	2	0.5 %	5.51	5.71	4.92	5.12	↓	↓	↓	31.1	14.1
<input type="checkbox"/>	10410203	3	0.5 %	5.71	5.91	5.12	5.31	↓	↓	↓	32.6	14.8
<input type="checkbox"/>	10410204	4	0.5 %	5.91	6.1	5.31	5.51	↓	↓	↓	34.0	15.4
<input type="checkbox"/>	10410205	5	0.5 %	6.1	6.3	5.51	5.71	↓	↓	↓	35.1	15.9
<input type="checkbox"/>	10410261	5-0	NEUTRAL (0%)	6.3	6.3	5.71	5.71	70	4.4	0.16	35.5	16.1
<input type="checkbox"/>	10410206	6	0.5 %	6.3	6.5	5.71	5.91	↓	↓	↓	36.2	16.4
<input type="checkbox"/>	10410207	7	0.5 %	6.5	6.69	5.91	6.1	↓	↓	↓	37.0	16.8
<input type="checkbox"/>	10410208	8	0.5 %	6.69	6.89	6.10	6.3	↓	↓	↓	38.4	17.4
<input type="checkbox"/>	10410209	9	0.5 %	6.89	7.09	6.30	6.5	↓	↓	↓	39.7	18.0
<input type="checkbox"/>	10410210	10	0.5 %	7.09	7.28	6.50	6.69	↓	↓	↓	40.8	18.5
<input type="checkbox"/>	10410262	10-0	NEUTRAL (0%)	7.28	7.28	6.69	6.69	95	6.0	0.21	41.2	18.7
<input type="checkbox"/>	10410211	11	0.5 %	7.68	7.87	6.69	6.89	↓	↓	↓	41.9	19.0
<input type="checkbox"/>	10410212	12	0.5 %	7.87	8.07	6.89	7.09	↓	↓	↓	44.8	20.3
<input type="checkbox"/>	10410213	13	0.5 %	8.07	8.27	7.09	7.28	↓	↓	↓	47.6	21.6
<input type="checkbox"/>	10410214	14	0.5 %	8.27	8.46	7.28	7.48	↓	↓	↓	50.5	22.9
<input type="checkbox"/>	10410215	15	0.5 %	8.46	8.66	7.48	7.68	↓	↓	↓	53.4	24.2
<input type="checkbox"/>	10410216	16	0.5 %	8.66	8.86	7.68	7.87	↓	↓	↓	55.6	25.5
<input type="checkbox"/>	10410217	17	0.5 %	8.86	9.05	7.87	8.07	↓	↓	↓	59.1	26.8
<input type="checkbox"/>	10410218	18	0.5 %	9.05	9.25	8.07	8.27	↓	↓	↓	62.0	28.1
<input type="checkbox"/>	10410219	19	0.5 %	9.25	9.45	8.27	8.46	↓	↓	↓	64.8	29.4
<input type="checkbox"/>	10410220	20	0.5 %	9.45	9.65	8.46	8.66	↓	↓	↓	67.7	30.7
<input type="checkbox"/>	10410264	20-0	NEUTRAL (0%)	9.65	9.65	8.66	8.66	152.2	9.6	0.34	69.9	31.7

- FILCOTEN NW100, 4" (100MM) ID, 5.12" (130MM) OD WIDE, 39.40"(1000MM) LONG CHANNELS
20 PRE-SLOPED CHANNELS AT (0.5%, #1-20) AND 4 NEUTRAL CHANNEL DEPTHS (0, 5-0, 10-0, 20-0)
- MANUFACTURED HIGH PERFORMANCE CONCRETE (HPC), FIBRE-REINFORCED, UV RESISTANT, INTERLOCKING ENDS WITH SEALANT GROOVES, RADIUSSED BOTTOM FOR EFFICIENT DRAINAGE, MULTIPLE RIBS TO SECURELY HOLD THE BODY INTO THE CONCRETE FOUNDATION. CHANNELS UTILIZE AN INTEGRAL 0.08" (2MM) HEAVY DUTY GALVANIZED STEEL RAIL FOR ADDED STRENGHT, GRATES SECURE TO THE RAILS WITH FOUR POINT SELF-LOCKING SYSTEM.
- FILCOTEN HPC CONCRETE IS UNIQUELY ENGINEERED TO BOND TO SURROUNDING CONCRETE, BECOMING MONOLITHIC AND PREVENTING MOISTURE MIGRATION. FILCOTEN IS MANUFACTURED FREE OF MOLD RELEASING AGENTS FOUND IN POLYMER CONCRETE SYSTEMS. FILCOTEN THEREFORE, IS INERT, NON-FLAMABLE AND ENVIRONMENTALLY FRIENDLY, FREE OF RESINS, HEAVY METALS, VOC'S AND CHEMICALS.
- OUTLETS CAN BE CONFIGURED AS BOTTOM, END OUTLET OR USE WITH A CATCH BASIN. SEE ACCESSORIES PAGE.
- MANUFACTURED TO EN1433 STANDARDS

FILCOTEN[®]
a brand of BG



FILCOTEN CONCRETE CHANNEL DRAIN

NW100 4" HPC CONCRETE GALVANIZED STEEL RAIL, DIN CLASS A-E 600kN

FOR PRODUCT ASSISTANCE, CONTACT NDS TECHNICAL SERVICE AT techservice@ndspro.com

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