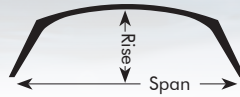


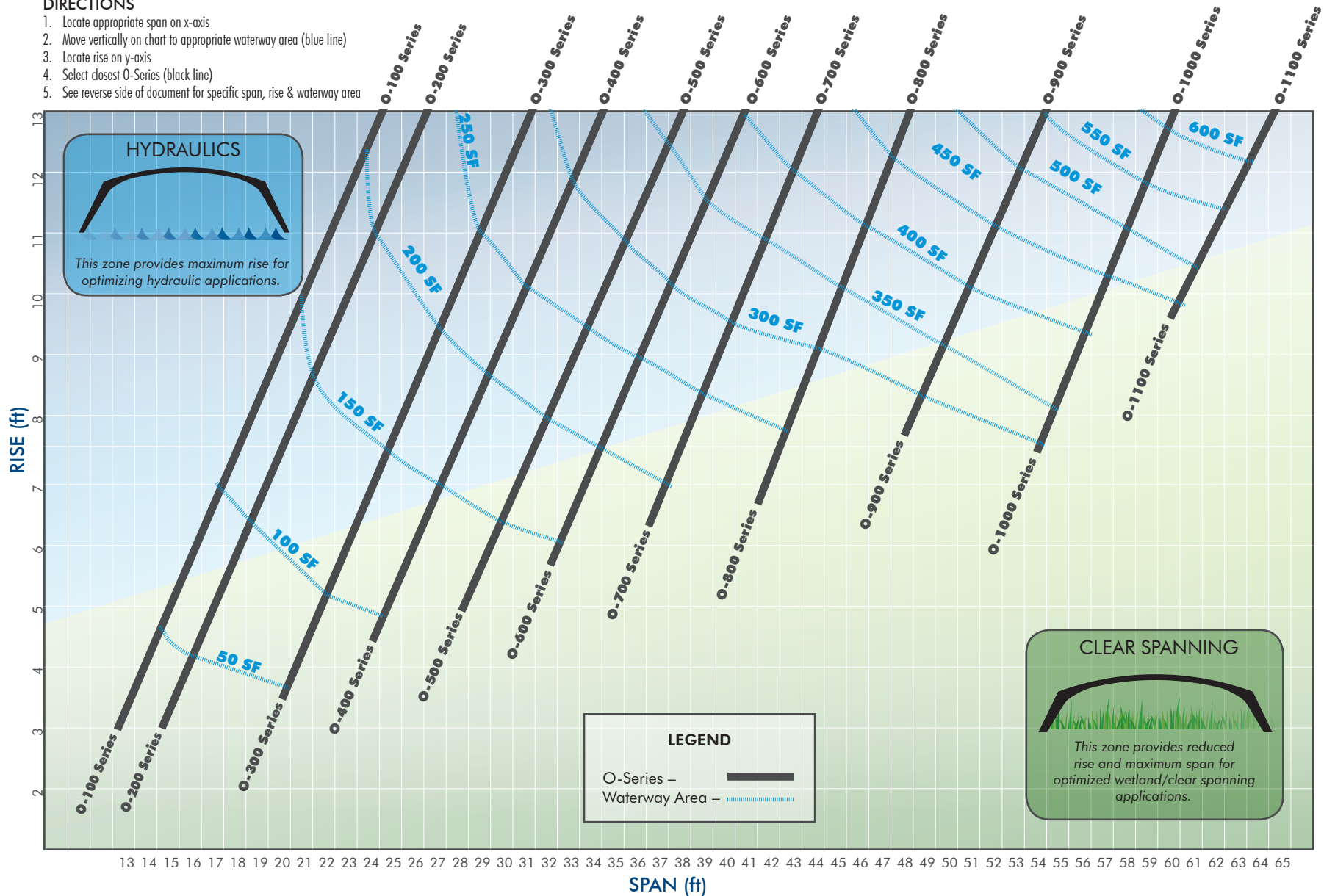
STEP 1 » SERIES SELECTION CHART

The goal of this chart is to select the appropriate O-Series for your application using span, rise and waterway area. The backside of this document provides specific span, rise and waterway info for each series.



DIRECTIONS

1. Locate appropriate span on x-axis
2. Move vertically on chart to appropriate waterway area (blue line)
3. Locate rise on y-axis
4. Select closest O-Series (black line)
5. See reverse side of document for specific span, rise & waterway area





STEP 2 » WATERWAY AREA CHART

The goal of this chart is to select the specific shape needed for your application based upon the series selected on the front side of this document.

0-100 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O113	13' - 0"	3'-2 7/8"	33	0.91
O114	14' - 0"	4'-1 1/4"	45	1.02
O115	15' - 0"	4'-11 5/8"	57	1.13
O116	16' - 0"	5'-10"	71	1.24
O117	17' - 0"	6'-8 3/8"	85	1.36
O118	18' - 0"	7'-6 3/4"	100	1.47
O119	19' - 0"	8'-5 1/8"	116	1.58
O120	20' - 0"	9'-3 5/8"	133	1.69
O121	21' - 0"	10'-2"	151	1.80
O122	22' - 0"	11'-0 3/8"	170	1.92
O123	23' - 0"	11'-10 3/4"	189	2.03
O124	24' - 0"	12'-9 1/8"	209	2.14

0-200 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O215	15' - 0"	3'-2 3/4"	40	1.01
O216	16' - 0"	4'-1 1/8"	53	1.12
O217	17' - 0"	4'-11 5/8"	67	1.23
O218	18' - 0"	5'-10"	83	1.34
O219	19' - 0"	6'-8 3/8"	99	1.45
O220	20' - 0"	7'-6 3/4"	115	1.57
O221	21' - 0"	8'-5 1/8"	133	1.68
O222	22' - 0"	9'-3 1/2"	152	1.79
O223	23' - 0"	10'-2 7/8"	171	1.90
O224	24' - 0"	11'-0 3/8"	192	2.02
O225	25' - 0"	11'-10 3/4"	213	2.13
O226	26' - 0"	12'-9 1/8"	235	2.24

0-300 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O321	21' - 0"	4'-2 3/8"	69	1.66
O322	22' - 0"	5'-0 3/4"	88	1.80
O323	23' - 0"	5'-11 1/8"	107	1.93
O324	24' - 0"	6'-9 5/8"	128	2.06
O325	25' - 0"	7'-8"	149	2.20
O326	26' - 0"	8'-6 3/8"	171	2.33
O327	27' - 0"	9'-4 3/4"	194	2.46
O328	28' - 0"	10'-3 1/8"	218	2.60
O329	29' - 0"	11'-1 1/2"	243	2.73
O330	30' - 0"	11'-11 7/8"	268	2.87
O331	31' - 0"	12'-10 3/8"	294	3.00

0-400 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O425	25' - 0"	5'-0"	95	1.96
O426	26' - 0"	5'-10 3/8"	117	2.09
O427	27' - 0"	6'-8 3/4"	140	2.23
O428	28' - 0"	7'-7 1/8"	164	2.37
O429	29' - 0"	8'-5 1/2"	189	2.50
O430	30' - 0"	9'-3 7/8"	214	2.64
O431	31' - 0"	10'-2 1/4"	241	2.78
O432	32' - 0"	11'-0 3/4"	268	2.91
O433	33' - 0"	11'-11 1/8"	296	3.05
O434	34' - 0"	12'-9 1/2"	325	3.18

0-500 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O529	29' - 0"	5'-7"	128	2.60
O530	30' - 0"	6'-5 3/8"	154	2.78
O531	31' - 0"	7'-3 3/4"	180	2.96
O532	32' - 0"	8'-2 1/8"	207	3.14
O533	33' - 0"	9'-0 1/2"	235	3.31
O534	34' - 0"	9'-10 7/8"	264	3.49
O535	35' - 0"	10'-9 1/4"	294	3.67
O536	36' - 0"	11'-7 3/4"	325	3.84
O537	37' - 0"	12'-6 1/8"	357	4.02

0-600 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O633	33' - 0"	6'-4 1/8"	163	3.29
O634	34' - 0"	7'-2 1/2"	192	3.47
O635	35' - 0"	8'-1"	222	3.65
O636	36' - 0"	8'-11 3/8"	253	3.84
O637	37' - 0"	9'-9 3/4"	285	4.02
O638	38' - 0"	10'-8 1/8"	317	4.20
O639	39' - 0"	11'-6 1/2"	350	4.39
O640	40' - 0"	12'-4 7/8"	385	4.57
O641	41' - 0"	13'-3 1/4"	420	4.75

0-700 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O737	37' - 0"	7'-2 1/4"	204	3.72
O738	38' - 0"	8'-0 5/8"	236	3.93
O739	39' - 0"	8'-11 1/8"	270	4.14
O740	40' - 0"	9'-9 1/2"	304	4.35
O741	41' - 0"	10'-7 7/8"	339	4.56
O742	42' - 0"	11'-6 1/4"	375	4.77
O743	43' - 0"	12'-4 5/8"	412	4.98
O744	44' - 0"	13'-3"	449	5.19

0-800 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O843	43' - 0"	8'-9 3/8"	283	4.43
O844	44' - 0"	9'-7 3/4"	321	4.66
O845	45' - 0"	10'-6 1/8"	359	4.89
O846	46' - 0"	11'-4 1/2"	399	5.11
O847	47' - 0"	12'-2 7/8"	439	5.34
O848	48' - 0"	13'-1 3/8"	480	5.57

0-900 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O949	49' - 0"	8'-7"	320	4.70
O950	50' - 0"	9'-5 3/8"	363	4.92
O951	51' - 0"	10'-3 3/4"	406	5.13
O952	52' - 0"	11'-2 1/8"	451	5.35
O953	53' - 0"	12'-0 1/2"	496	5.56
O954	54' - 0"	12'-10 7/8"	543	5.78
O955	55' - 0"	13'-9 1/4"	590	5.99

0-1000 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O1055	55' - 0"	8'-11 1/8"	380	5.81
O1056	56' - 0"	9'-9 1/2"	428	6.02
O1057	57' - 0"	10'-7 7/8"	477	6.23
O1058	58' - 0"	11'-6 3/8"	527	6.44
O1059	59' - 0"	12'-4 3/4"	577	6.65
O1060	60' - 0"	13'-3 1/8"	629	6.86

0-1100 Series

SHAPE	SPAN (FEET)	RISE (FEET)	WATERWAY AREA (SF)	WEIGHT PER FOOT (TONS)
O1161	61' - 0"	10'-0 7/8"	465	6.44
O1162	62' - 0"	10'-11 1/4"	519	6.66
O1163	63' - 0"	11'-9 3/4"	573	6.88
O1164	64' - 0"	12'-8 1/8"	628	7.11
O1165	65' - 0"	13'-6 1/2"	684	7.33

ARCH LAY LENGTHS

O-100 to O-400 8'-0" LAY LENGTH
 O-500 to O-800 5'-11 3/4" LAY LENGTH
 O-900 to O-1100 3'-11 3/4" LAY LENGTH

* 1/4" Joints between Precast Concrete Units

Get Social With Us!



© 2012 Contech Engineered Solutions LLC

CONTECH
ENGINEERED SOLUTIONS

800-338-1122
www.ContechES.com/conspan