

### XBS Black Stripe Blank Tubing

#### High Quality, Flexible Tubing for Use in Any Low-Volume Irrigation System



XBS Black Stripe blank tubing is designed specifically for distribution of water throughout a low-volume drip irrigation system. It is typically installed down-stream of the zone valve, filter and pressure regulator (or control zone kit) for the purpose of distributing water throughout a landscape bed. XBS tubing is compatible with Rain Bird's Xeri-Bug self-piercing emitters which may be inserted directly in the tubing at or near each plant in the bed.



#### Features

- ½" & ¾" blank tubing extruded from polyethylene resin materials for consistent durability
- ½" tubing is now available in two different sizes: 0.600" I.D. X 0.700" O.D. | 0.615" I.D. X 0.705" O.D.
- Available in five color stripes to differentiate zones
- UV-resistant for installations at or below grade
- Compact coils for easy storage and shipping
- Flexible tubing feeds from center

#### XBS 700 - ½" Tubing Models

- Outside diameter: 0.700" (17.8 mm)
- Inside diameter: 0.600" (15.2 mm)
- Wall thickness: 0.050" (1.3 mm)
- Pressure: 0 to 60 psi (0 to 4.1 bar)

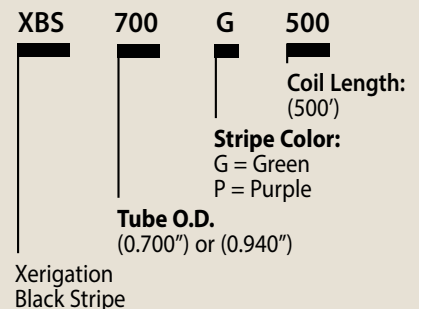
- XBS700G100: ½" tubing, - 100 foot (30m) coil with green striping
- XBS700G500: ½" tubing, - 500 foot (152m) coil with green striping
- XBS700P500: ½" tubing, - 500 foot (152m) coil with purple striping

#### XBS 940 - ¾" Tubing Models

- Outside diameter: 0.940" (24 mm)
- Inside diameter: 0.820" (21 mm)
- Wall thickness: 0.060" (1.5 mm)
- Pressure: 0 to 60 psi (0 to 4.1 bar)

- XBS940G500: ¾" tubing, - 500 foot (152 m) coil with green striping
- XBS940P500: ¾" tubing, - 500 foot (152 m) coil with purple striping

#### How To Specify XBS700 & XBS940

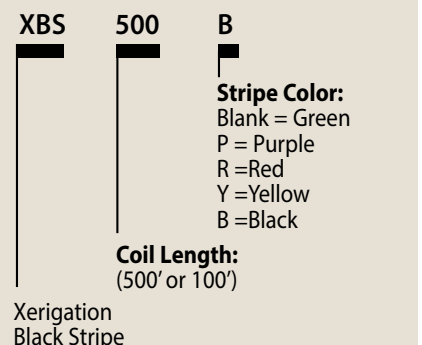


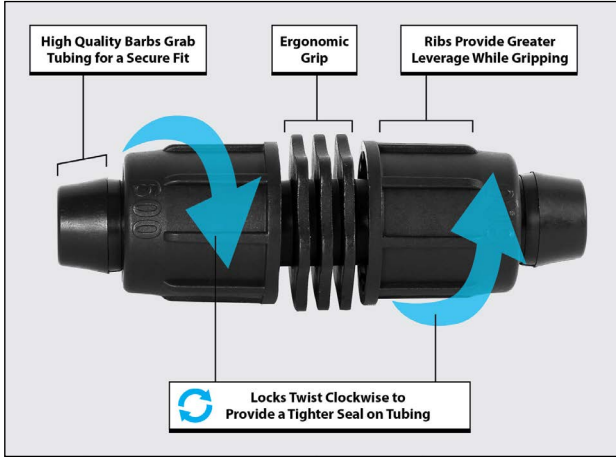
#### XBS - ½" Tubing Models

- Outside diameter: 0.705" (18 mm)
- Inside diameter: 0.615" (15.6 mm)
- Wall thickness: 0.045" (1.2 mm)
- Pressure: 0 to 60 psi (0 to 4.1 bar)

- XBS100: ½" tubing, - 100 foot (30 m) coil with green striping
- XBS500: ½" tubing, - 500 foot (152 m) coil with green striping
- XBS500B: ½" tubing, - 500 foot (152 m) coil with black striping
- XBS500R: ½" tubing, - 500 foot (152 m) coil with red striping
- XBS500Y: ½" tubing, - 500 foot (152 m) coil with yellow striping
- XBS500P: ½" tubing, - 500 foot (152 m) coil with purple striping

#### How To Specify XBS





## New Rain Bird Twist Lock Fittings - Recommended for XBS Tubing

✓ 600 Series for 1/2" tubing | ✓ 800 Series for 3/4" tubing

### Features:

- High-quality barbs for secure fit
- Ribs provide greater leverage
- Grit tolerant oversized thread



600 Series



800 Series

### XBS 700 - 1/2" Tubing Friction Loss Characteristics

O.D. .700" I.D. .600"			O.D. 17.8mm I.D. 15.2mm METRIC		
Flow (gpm)	Velocity (fps)	Loss (psi)	Flow (l/m)	Velocity (m/s)	Loss (bar)
0.50	0.57	0.16	1.89	0.17	0.04
1.00	1.14	0.58	3.79	0.35	0.13
1.50	1.70	1.22	5.68	0.52	0.27
2.00	2.27	2.08	7.57	0.69	0.46
2.50	2.84	3.15	9.46	0.87	0.70
3.00	3.41	4.41	11.36	1.04	0.98
3.50	3.97	5.87	13.25	1.21	1.30
4.00	4.54	7.52	15.14	1.38	1.67
4.50	5.11	9.35	17.03	1.56	2.07
5.00	5.68	11.36	18.93	1.73	2.16
5.50	6.24	13.55	20.82	1.90	3.01
6.00	6.81	15.92	22.71	2.08	3.53

Psi Loss Per 100 Feet of Pipe (psi/100ft.)  
Bar Loss per 100 Meters of Pipe (bar/100m)

**Note:** Use of tubing at flows shown in dark shaded area is not recommended, as velocities exceed 5 ft/sec (1.5 m/s)

### 1/2" XBS - Tubing Friction Loss Characteristics

O.D. .705" I.D. .615"			O.D. 18 mm I.D. 15.6mm METRIC		
Flow (gpm)	Velocity (fps)	Loss (psi)	Flow (l/m)	Velocity (m/s)	Loss (bar)
0.50	0.54	0.14	1.89	0.16	0.03
1.00	1.08	0.51	3.79	0.33	0.11
1.50	1.62	1.08	5.68	0.49	0.24
2.00	2.16	1.85	7.57	0.66	0.41
2.50	2.70	2.79	9.46	0.82	0.62
3.00	3.24	3.91	11.36	0.99	0.87
3.50	3.78	5.20	13.25	1.15	1.15
4.00	4.32	6.66	15.14	1.32	1.48
4.50	4.86	8.29	17.03	1.48	1.84
5.00	5.40	10.08	18.93	1.65	2.23
5.50	5.94	12.02	20.82	1.81	2.67
6.00	6.48	14.12	22.71	1.98	3.13

### XBS 940 - 3/4" Tubing Friction Loss Characteristics

OD .940" ID .820"			OD 23.9mm ID 20.8mm METRIC		
Flow (gpm)	Velocity (fps)	Loss (psi)	Flow (l/m)	Velocity (m/s)	Loss (bar)
0.50	0.30	0.03	1.89	0.09	0.01
1.00	0.61	0.13	3.79	0.19	0.03
1.50	0.91	0.27	5.68	0.28	0.06
2.00	1.22	0.46	7.57	0.37	0.10
2.50	1.52	0.69	9.46	0.46	0.15
3.00	1.82	0.96	11.36	0.55	0.21
3.50	2.13	1.28	13.25	0.65	0.28
4.00	2.43	1.64	15.14	0.74	0.36
4.50	2.74	2.04	17.03	0.84	0.45
5.00	3.04	2.49	18.93	0.93	0.55
5.50	3.34	2.96	20.82	1.02	0.66
6.00	3.65	3.48	22.71	1.11	0.77
6.50	3.95	4.04	24.61	1.20	0.90
7.00	4.25	4.63	26.50	1.30	1.03
7.50	4.56	5.27	28.39	1.39	1.17
8.00	4.86	5.93	30.28	1.48	1.32
8.50	5.17	6.64	32.18	1.58	1.47
9.00	5.47	7.38	34.07	1.67	1.64
9.50	5.77	8.16	35.96	1.76	1.81
10.00	6.08	8.97	37.85	1.85	1.99

Psi Loss Per 100 Feet of Pipe (psi/100ft.)  
Bar Loss per 100 Meters of Pipe (bar/100m)

**Note:** Use of tubing at flows shown in dark shaded area is not recommended, as velocities exceed 5 ft/sec (1.5 m/s)

**Rain Bird Corporation**  
6991 E. Southpoint Road  
Tucson, AZ 85756  
Phone: (520) 741-6100  
Fax: (520) 741-6522

**Rain Bird Corporation**  
970 West Sierra Madre Avenue  
Azusa, CA 91702  
Phone: (626) 812-3400  
Fax: (626) 812-3411

**Rain Bird International, Inc.**  
1000 West Sierra Madre Ave.  
Azusa, CA 91702  
Phone: (626) 963-9311  
Fax: (626) 852-7343

**Rain Bird Technical Services**  
(800) RAINBIRD (1-800-724-6247)  
(U.S. and Canada)

**Specification Hotline**  
800-458-3005 (U.S. and Canada)

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[www.rainbird.com](http://www.rainbird.com)