3 Components Needed

FOR 50 FT. OF 4 FT. CHAIN LINK FENCE, YOU'LL NEED

QTY	DESCRIPTION
1 rl.	4 ft. x 50 ft. Chain Link Fabric
5 ea.	1-3/8 in. x 10 ft. 6 in. Top Rails
2 ea.	2-3/8 in. x 5 ft.- 6 in. or 6 ft. Terminal Posts
4 ea.	1-5/8 in. x 5 ft. 6 in. or 6 ft. Line Posts
4 ea.	1-5/8 in. Eye Tops for Line Posts
6 ea.	2-3/8 in. Tension Bands
2 ea.	2-3/8 in. Brace Bands
2 ea.	1-3/8 in. Rail Ends
2 ea.	2-3/8 in. Post Caps For Terminal Posts
1 bx.	5/16 in. x 1-1/4 in. Carriage Bolts
2 pks.	6-1/2 in. Aluminum Tie Wires
2 ea.	4 ft. Tension Bars
1 rl.	170 ft. Tension Wire Coil
8 bgs.	Fast set Concrete
1 pair	Gloves

FOR 50 FT. OF 5 FT. CHAIN LINK FENCE, YOU'LL NEED

QTY	DESCRIPTION
1 rl.	5 ft. x 50 ft. Chain Link Fabric
5 ea.	1-3/8 in. x 10 ft. 6 in. Top Rails
2 ea.	2-3/8 in. x 7 ft. Terminal Posts
4 ea.	1-5/8 in. x 7 ft. Line Posts
4 ea.	1-5/8 in. Eye Tops for Line Posts
8 ea.	2-3/8 in. Tension Bands
2 ea.	2-3/8 in. Brace Bands
2 ea.	1-3/8 in. Rail Ends
2 ea.	2-3/8 in. Post Caps For Terminal Posts
1 bx.	5/16 in. x 1-1/4 in. Carriage Bolts
2 pks.	6-1/2 in. Aluminum Tie Wires
2 ea.	5 ft. Tension Bars
1 rl.	170 ft. Tension Wire Coil
8 bgs.	Fast set Concrete
1 pair	Gloves

FOR 50 FT. OF 6 FT. CHAIN LINK FENCE, YOU'LL NEED

QTY	DESCRIPTION
1 rl.	6 ft. x 50 ft. Chain Link Fabric
5 ea.	1-3/8 in. x 10 ft. 6 in. Top Rails
2 ea.	2-3/8 in. x 8 ft. Terminal Posts
4 ea.	1-5/8 in. x 8 ft. Line Posts
4 ea.	1-5/8 in. Eye Tops for Line Posts
10 ea.	2-3/8 in. Tension Bands
2 ea.	2-3/8 in. Brace Bands
2 ea.	1-3/8 in. Rail Ends
2 ea.	2-3/8 in. Post Caps For Terminal Posts
2 bxs.	5/16 in. x 1-1/4 in. Carriage Bolts
2 pks.	6-1/2 in. Aluminum Tie Wires
2 ea.	6 ft. Tension Bars
1 rl.	170 ft. Tension Wire Coil
8 bgs.	Fast set Concrete
1 pair	Gloves

4 Choose Hardware & Accessories

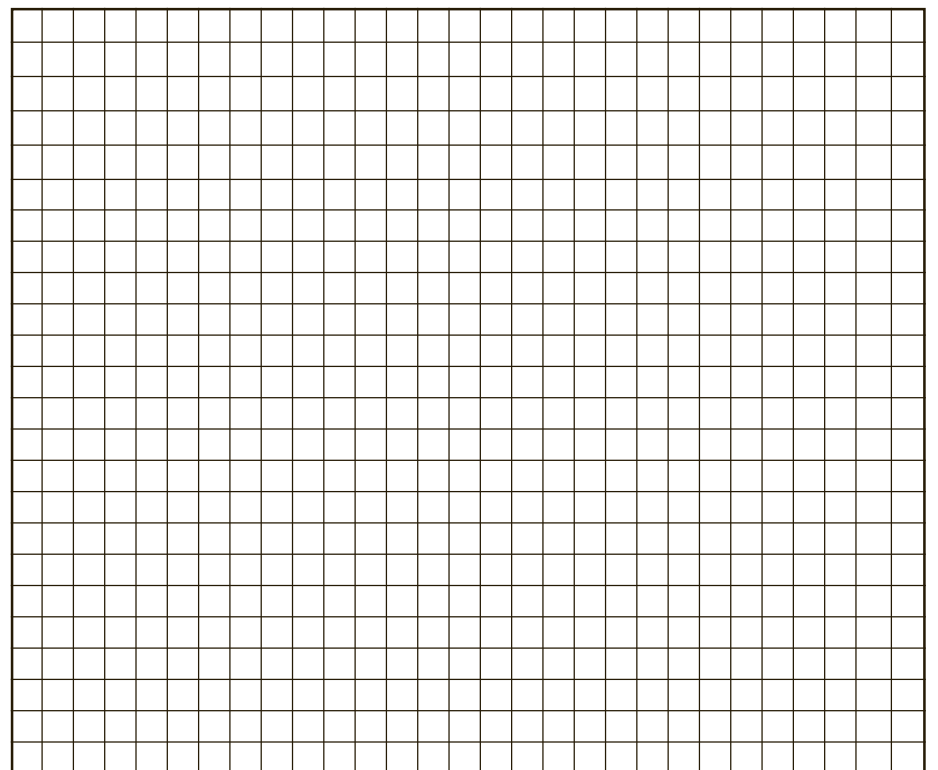|	DESCRIPTION	QUANTITY TO USE	QTY. TO BUY	PRICE EACH	TOTAL PRICE
1	Chain Link Fabric	Same as total linear footage of fence, less gate opening(s)			
2	Top Rail	Same linear footage as fence fabric			
3	Terminal Post	1 per end or corner; 2 per gate			
4	Line Post	Divide the total linear footage of fence (less gate openings) by 10 and subtract 1. Subtract 1 additional line post per each corner post used. Maximum distance between line posts should be 10 feet.			
5	Eye Top	1 per each line post			
6	Tension Band	Per each end post: 3 for 3 ft., 3-1/2 ft. or 4 ft.; 4 for 5 ft. and 5 for 6 ft. Same quantities per each gate post. Double the quantities per each corner post.			
7	Brace Band	1 per each rail end			
8	Rail End	1 per each gate post 1 per each end post 2 per each corner post			
9	Post Cap	1 per each terminal post			
10	5/16 in. x 1-1/4 in. Carriage Bolt	1 per each brace band 1 per each tension band			
11	3/8 in. x 2 in. Carriage Bolt	1 per each frame hinge			
12	3/8 in. x 3 in. Carriage Bolt	1 per each post hinge			
13	Tire Wire	1 per every 24 in. of top rail 1 per every 12 in. of line posts			
14	Tension Bar	1 per each gate post 1 per each end post 2 per each corner post			
15	Frame Hinge	2 per each walk gate 4 per each drive gate			
16	Post Hinge	2 per each walk gate 4 per each drive gate			
17	Fork Latch	1 per each walk gate			
18	(A) Single Walk Gate / (B) Double Drive Gate	(A) As needed; fittings as shown above			
		(B) As needed; fittings as shown above			

Before You Start Your Project, Remember...

String, Stakes, Tape Measure, Post Hole Digger, Hoe, Shovel, Wrench, Pliers, Hacksaw, Carpenter's Level, Fence Stretcher, Wheel Barrow, Stretcher Bar, Gloves
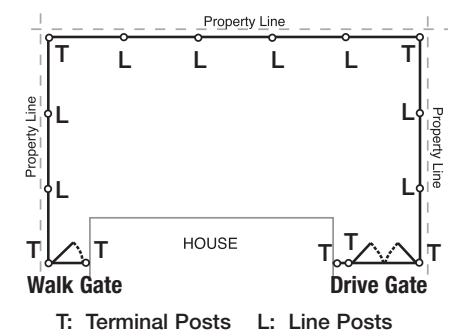

PLANNING AND PURCHASING
CHAIN LINK FENCE

1 Plan

Make a drawing of your fence in the space below:

Sample Fence Layout

Use chart below to determine exact number of terminal and line posts you will need based on your final layout measurements.

Walk Gate   Drive Gate

T: Terminal Posts   L: Line Posts

2 Measure

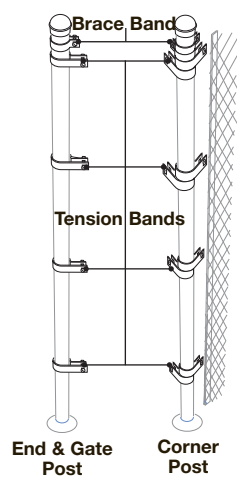| TERMINAL POST SPACING	SET LINE POSTS APART	TERMINAL POST SPACING	SET LINE POSTS APART	TERMINAL POST SPACING	SET LINE POSTS APART
30 ft.	10 ft.	54 ft.	9 ft.	78 ft.	9 ft. 9 in.
31 ft.	7 ft. 9 in.	55 ft.	9 ft. 2 in.	79 ft.	9 ft. 10 in.
32 ft.	8 ft.	56 ft.	9 ft. 4 in.	80 ft.	10 ft.
33 ft.	8 ft. 3 in.	57 ft.	9 ft. 6 in.	81 ft.	9 ft.
34 ft.	8 ft. 6 in.	58 ft.	9 ft. 8 in.	82 ft.	9 ft. 1 in.
35 ft.	8 ft. 9 in.	59 ft.	9 ft.10 in.	83 ft.	9 ft. 3 in.
36 ft.	9 ft.	60 ft.	10 ft.	84 ft.	9 ft. 4 in.
37 ft.	9 ft. 3 in.	61 ft.	8 ft. 8 in.	85 ft.	9 ft. 6 in.
38 ft.	9 ft. 6 in.	62 ft.	8 ft.10 in.	86 ft.	9 ft. 7 in.
39 ft.	9 ft. 9 in.	63 ft.	9 ft.	87 ft.	9 ft. 8 in.
40 ft.	10 ft.	64 ft.	9 ft. 1 in.	88 ft.	9 ft. 9 in.
41 ft.	8 ft. 2 in.	65 ft.	9 ft. 3 in.	89 ft.	9 ft. 10 in.
42 ft.	8 ft. 5 in.	66 ft.	9 ft. 5 in.	90 ft.	10 ft.
43 ft.	8 ft. 6 in.	67 ft.	9 ft. 7 in.	91 ft.	9 ft. 1 in.
44 ft.	8 ft. 9 in.	68 ft.	9 ft. 8 in.	92 ft.	9 ft. 2 in.
45 ft.	9 ft.	69 ft.	9 ft.10 in.	93 ft.	9 ft. 3 in.
46 ft.	9 ft. 2 in.	70 ft.	10 ft.	94 ft.	9 ft. 5 in.
47 ft.	9 ft.5 in.	71 ft.	8 ft. 9 in.	95 ft.	9 ft. 6 in.
48 ft.	9 ft. 7 in.	72 ft.	9 ft.	96 ft.	9 ft. 7 in.
49 ft.	9 ft. 9 in.	73 ft.	9 ft. 2 in.	97 ft.	9 ft. 8 in.
50 ft.	10 ft.	74 ft.	9 ft. 3 in.	98 ft.	9 ft. 9 in.
51 ft.	8 ft. 6 in.	75 ft.	9 ft. 4 in.	99 ft.	9 ft. 10 in.
52 ft.	8 ft. 8 in.	76 ft.	9 ft. 6 in.	100 ft.	10 ft.
53 ft.	8 ft.10 in.	77 ft.	9 ft. 7 in.		

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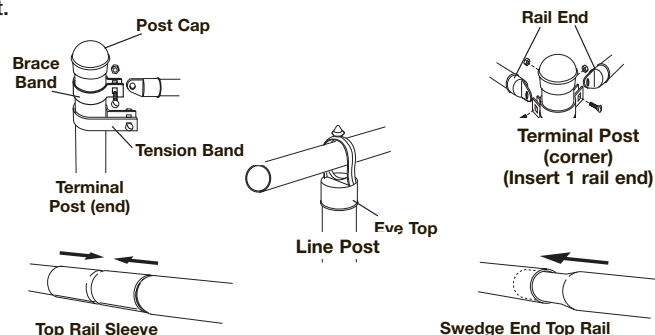
3 Install Fittings to Terminal Posts

Review the Material Check List on reverse side for descriptions and number of fittings required.

After concrete footings have hardened, slip the tension bands over terminal posts making sure they are evenly spaced. The long, flat surface should face the outside of the fence. Carefully add brace bands making sure not to bend or distort. Bolt heads should be on the outside of the fence and threaded ends inside. Fit all post caps.

Brace Band

Tension Bands

End & Gate Post　**Corner Post**

4 Install Top Rails

Place an eye top fitting on the end of each line post. Flat side should be toward outside of the fence. Insert one length of top rail pipe through an eye top nearest a terminal post. Insert a rail end on the top rail and attach to terminal post with a brace band. Fasten with a 5/16" x 1-1/4" carriage bolt. Continue to join lengths of top rail by forcing swedged (or crimped) ends of top rail together through eye tops. (If joining non-swedged top rail sections, sleeves can be used as pictured below). When next terminal post is reached, measure and cut the top rail to fit tightly between the last length of top rail and the rail end fastened to the brace band on the terminal post. Fasten with a carriage bolt.
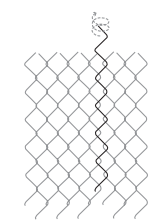
Post Cap
Brace Band
Tension Band
Terminal Post (end)
Line Post
Eye Top
Rail End
Terminal Post (corner) (Insert 1 rail end)
Top Rail Sleeve
Swedge End Top Rail

5 Affix and Stretch Chain Link Fabric

Beginning at a terminal post, lay the chain link fabric on the ground and unroll to next terminal post. Unroll enough fabric to cover the opening between the terminal posts. (See figure below for adding and removing fabric). Insert a tension bar through the end of the fabric and attach to tension bands which were previously placed on the terminal posts. Fasten (not too tightly) with 5/16" x 1-1/4" carriage bolts - heads on the outside of the fence and threaded ends inside.

Stand the entire fence section upright, leaning against the framework. Loosely attach fabric to top rail with tie wires to hold in place.
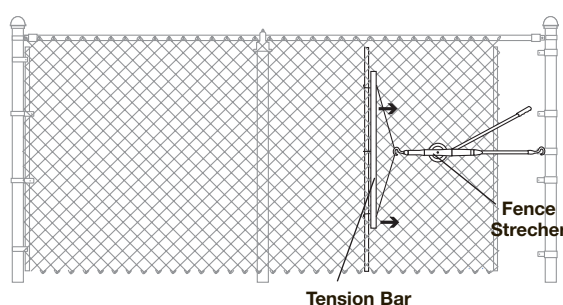
REMOVING FABRIC
With pliers, open the top and bottom ends of wire where you wish to terminate or remove fabric. Unwind the strand and twist through the links until the wire comes out of the fabric, in a corkscrew manner.
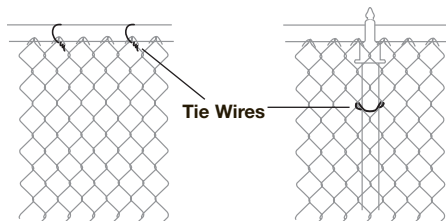
ADDING OR SPLICING FABRIC
From an end of the fabric, remove a strand of wire. Join the two sections together and wind the removed wire down through the ends, in a corkscrew manner. Note: a second strand of wire may have to be removed in order to mesh properly.

From the terminal post, which already has fabric attached, stretch the fabric to the opposite terminal post (see diagram at right). Insert a tension bar 4 feet inside the open end of the fabric. Fasten one end of the fence stretcher to the tension bar or stretcher bar and the other end to the terminal post. Stretch the fabric until there is a slight tension when squeezed by hand. Either add or remove fabric for exact length. Insert a tension bar at end and connect to the tension bands on the terminal post.
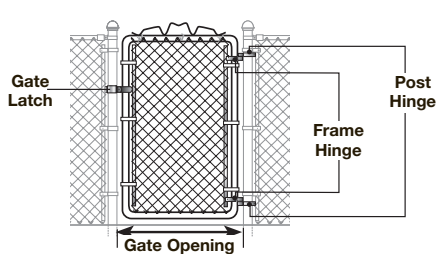
Remove fence stretcher and secure fabric to top rail with tie wires. Spacing should be 24" apart on top rail and 12" apart on line posts. Securely tighten nuts on all brace and tension bands.

Fence Strecher
Tension Bar
Tie Wires

6 Hang Gates

Attach frame hinges to gate frame. Install post hinges to gate post. Install top post hinge with pin pointing down and bottom post hinge with pin pointing up. This will prevent the gate from being lifted off the hinges. Place gate in position by aligning the top of the gate with the top of the fence and adjust the hinges to allow for a full swing. Install gate latch at desired height that's suitable to your usage and fasten all bolts.
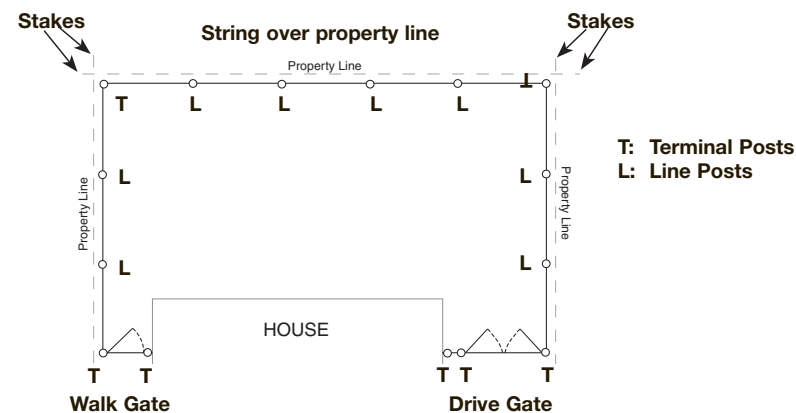
Follow the same directions to install Drive Gates.

Gate Latch
Post Hinge
Frame Hinge
Gate Opening

NOTE: Clearance for hinges and latches (4" for walk gates and 6" for drive gates) is included in stated gate opening width.

INSTALLATION INSTRUCTIONS
CHAIN LINK FENCE

IMPORTANT Before You Start Digging...

1. Check with local utility company for cables, underground lines, etc.
2. Check local codes regarding height, locations, etc. A permit may be necessary.
3. Consult plat of survey or professional surveyor to ensure that your fence footings are located within your property lines.
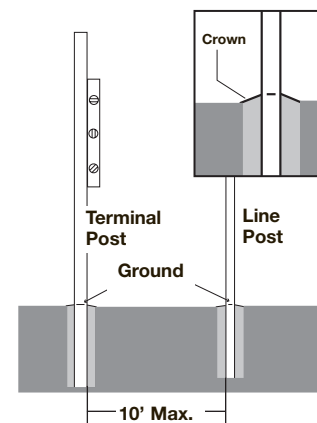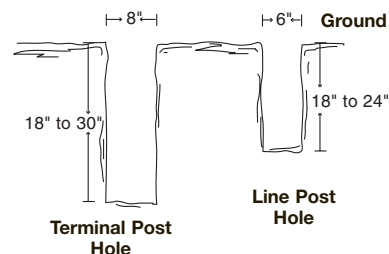
Stakes　**String over property line**　**Stakes**
Property Line
T　**L**　**L**　**L**　**L**
L　**L**
Property Line　Property Line
L　**L**
HOUSE
T　**T**　**T**　**T**　**T**
Walk Gate　**Drive Gate**

T: Terminal Posts
L: Line Posts

1 Locate Terminal Posts and Install
(Corner, End and Gate Posts)

Determine the boundary lines of the property, insert stakes and stretch string around all stakes. Mark locations for all terminal posts (corner, end and gate) and make sure they are 4" inside property boundaries. Mark location for each gate post with a stake. Gates come in standard opening widths of: Single Walk - 36", 39", 42" and 48"; Double Drive - 10' and 12'. (i.e. if gate opening is 42", gate post spacing should be exactly 42", measured between inside post surfaces. If opening is 48", spacing should be exactly 48". See Step 6). Dig all terminal post holes (refer to diagram below for width and depth).

Mark the ground line on all posts for correct height of fence. The height of the terminal posts, above ground, will equal the height of the chain link fabric plus 2". The height of the line posts will equal the height of the fabric less 2". Set terminal posts in fast setting concrete in center of hole keeping ground line at ground level. Use a level to check plumb. Crown all post footings so water drains away from posts.

(NOTE: Use approximately one 50 lb. bag of fast setting concrete for each line post hole, and two 50 lb. bags of fast setting concrete for each terminal post.)

Crown
8"　**6"**　**Ground**
18" to 30"　**18" to 24"**
Terminal Post Hole　**Line Post Hole**
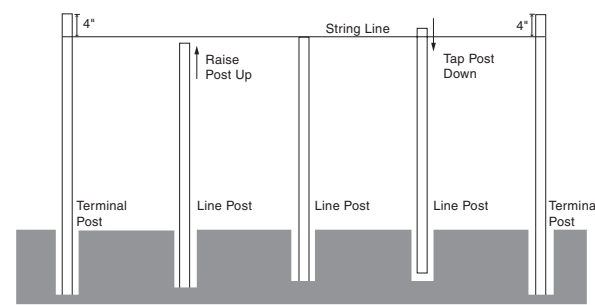**Terminal Post**　**Line Post**
Ground
10' Max.

2 Locate Line Posts and Install

After the concrete has hardened, stretch a string (positioned on the outside post face) between terminal posts. The string should be 4" below the top of the post (see diagram below). Measure the distance between the terminal posts and refer to the Terminal/Line Post Spacing Chart on reverse side for positioning of line posts. With stakes, mark the locations of all line posts and align with the centers of the terminal posts.

Dig all holes for line posts (refer to diagram above for width and depth) and set posts in concrete.
After concrete has hardened enough for posts to remain plumb, adjust all line posts to be even height with the string by gently moving posts up or down in the footings. (Use a carpenter's level for accuracy). The outside faces of the line posts should be 1/4" inside the string line.

4"　**String Line**　**4"**
Raise Post Up　**Tap Post Down**
Terminal Post　**Line Post**　**Line Post**　**Line Post**　**Terminal Post**

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