Acco® Material Handling Solutions

Issued 9-7-01 602-1

LOUDEN®

MONORAIL AND CRANE SYSTEM PATENTED TRACK

***SUPERTRACK*™ PATENTED TRACK WITH 2" OPERATING FLANGE**

LOUDEN® 602.6 *SUPERTRACK*™ PATENTED TRACK

LOUDEN® 2" flange *SUPERTRACK*™ patented track is the pioneer heavy-duty monorail track section. This track is rolled from special analysis billets to exacting tolerances as specified by Acco Babcock Inc., Material Handling Group. Two inch flange *SUPERTRACK*™ patented track is ideal for non-electrified monorail and crane systems with loads up to two ton.

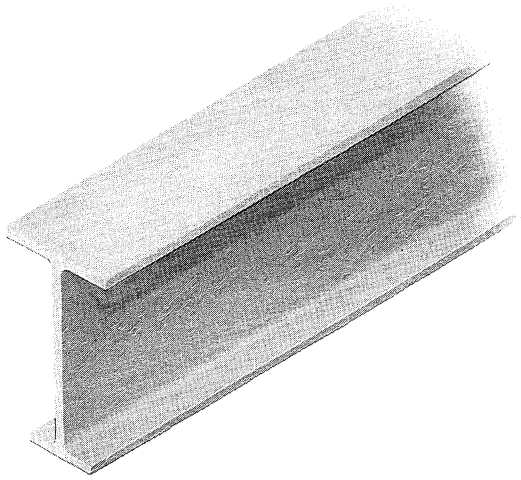
Trolleys for this track are illustrated in Section 402 and switches are illustrated in Section 702. A complete stock of hangers and other fittings is available to make this track easily adapted to even the most complicated systems requiring heavy-duty hand propelled equipment.

LOUDEN® *SUPERTRACK*™ patented track is tailor-made for your requirements. Every section of straight track is cut to exact length, and all curves are bent at the factory in accordance with layout drawings and specifications. Every piece of track is shipped from the factory ready for installation.

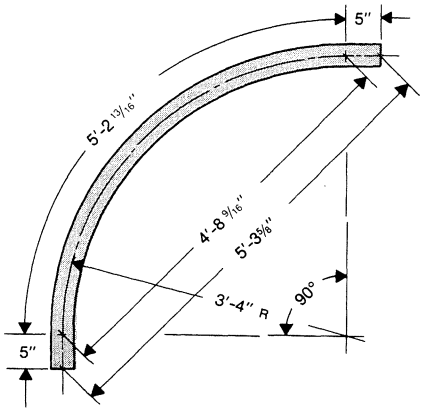
2" FLANGE *SUPERTRACK*™ PATENTED TRACK CURVES

To do away with costly hand bending on the job and to furnish the customer with a smooth precise curve for best trolley operation, all *LOUDEN*® *SUPERTRACK*™ patented track curves are furnished complete and ready for installation.

The standard *LOUDEN*® *SUPERTRACK*™ patented track curve has a 3'-4" radius with a 5" straight at each end as shown at the right. Special curves may be ordered. All special *SUPERTRACK*™ patented track curves require a minimum 12" of straight track at each end for the bending operation, although it is not required on the finished curve. When special curves are desired, contact your nearest Material Handling Group Representative. See Section 700 for standard switch curves.



***LOUDEN*® 602.6 *SUPERTRACK*™ PATENTED TRACK**

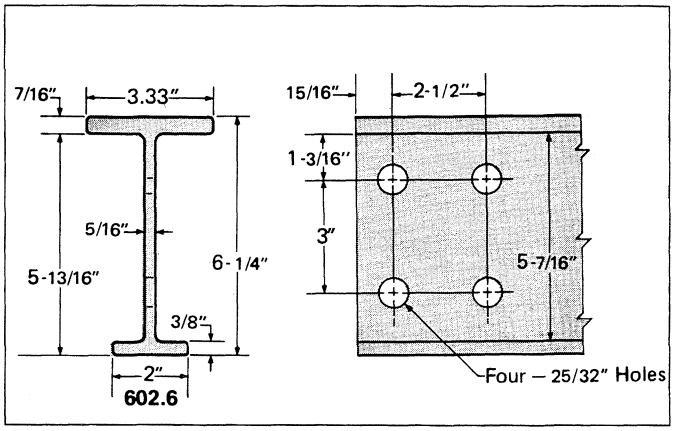


602.5281 (28-0502)
***SUPERTRACK*™ PATENTED TRACK CURVE**
WT. 73 LBS.

LOUDEN® 602.6 *SUPERTRACK*™ PATENTED TRACK

Specifications:

Min. Carbon Content	.55
Min.Manganese Content	.60
Min. Ult. Tensile	115,000 psi
Min. Yield Point	63,000 psi
Min. Brinnell Hardness	225
Top Flange Width	3.33"
Bottom Flange Width	2.00"
Depth	6.25"
Weight per Foot	14 lbs
Web Thickness	5/16"
Tread Thickness	3/8"
Max. Lower Flange Loading	750# per wheel 1,500# per 2-wheel trolley



MAXIMUM CENTER LOADS - UNBRACED

Limited By Span/450 Deflection
1.25" Maximum Deflection

	SPAN IN FEET												
	4	5	6	7	8	9	10	11	12	13	14	15	16
LOAD IN LBS.	11673s	9466t	7876t	6738t	5883t	5216t	4681t	3970d	3312d	2798d	2389d	2057d	1783d

Limited By Span/600 Deflection
1.25" Maximum Deflection

	SPAN IN FEET												
	4	5	6	7	8	9	10	11	12	13	14	15	16
LOAD IN LBS.	11673s	9466t	7876t	6738t	5694d	4476d	3602d	2953d	2458d	2070d	1761d	1510d	1303d

NOTES:

1. Figures shown are allowable Equivalent Center Loads (ECL's) at the span as if developed by a single two-wheel trolley. Refer to ECL calculations for loads on four, eight and 16 wheel units, in section 1100 (Engineering).
2. The ECL's shown are limited by tension of the bottom flange, compression of the top flange, deflection of the beam and shear. These are indicated by the letters t, c, d & s, respectively, in accordance with ANSI MH 27.1 1981.
3. The weight of the girder has been considered and need not be deducted in load calculations.
4. Maximum permissible Wheel Load on 603 Type *SUPERTRACK* is 1,500 Lbs. (3,000 Lbs. per 2 Wheel Trolley):

ACCO Material Handling Solutions
76 Acco Drive, Box 792, York, PA 17405-0792
717-741-4863, 800-967-7333, FAX 800-715-8897
E-mail: info@accomhs.com www.accomhs.com

602.6 *SUPERTRACK*™ PATENTED TRACK CURVE

SPECIAL CURVE INFORMATION

Standard tangent length for square cut end is 12". For tangent lengths shorter than 12" see Cutting Charge on price page. 5" minimum tangent length.

Minimum tangent length for an angle cut is 14".

Minimum **Standard** center straight for "S" curves is 12".

Maximum overall length is 20'-0".

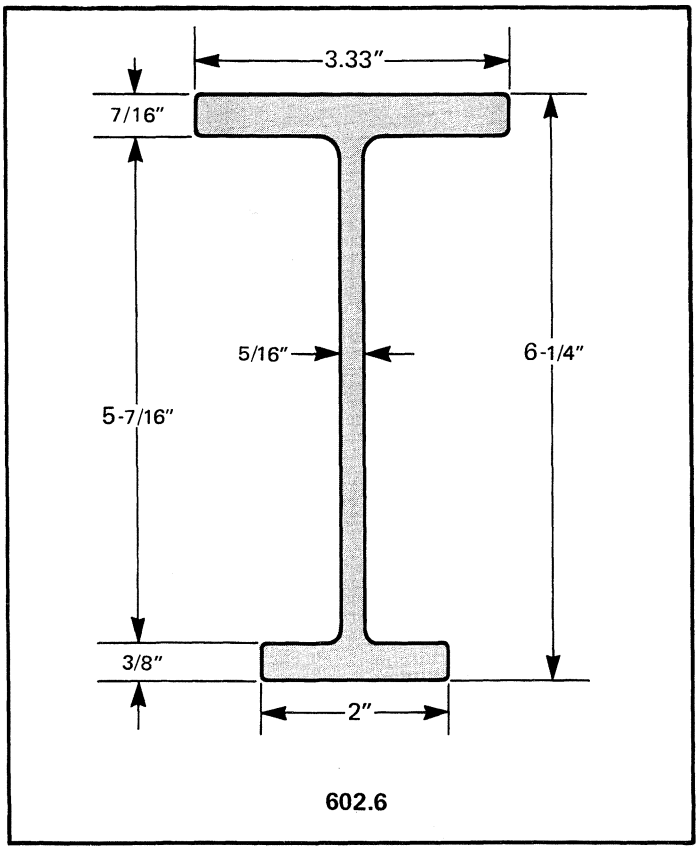
Minimum radius is 1'-6".

Hangers are required within 12" of the tangent points and at the center of the arc for up to 45 degrees and up to a maximum of 10' radius. Add hangers if 10' radius is exceeded. See Fig. 1.

Hangers are required within 12" of the tangent points and at the center of the arc for up to 90 degrees and up to a maximum of 6' radius. Add hangers if 6' radius is exceeded. See Fig. 2.

Hangers are required within 12" of the tangent points and at the 3rd points in the arc for up to 90 degrees and from 6' to 10' radius. Add hangers if 10' radius is exceeded. See Fig. 3.

2" operating flange *SuperTrack*™ Patented Track is to be used for non-electrified systems **only.**



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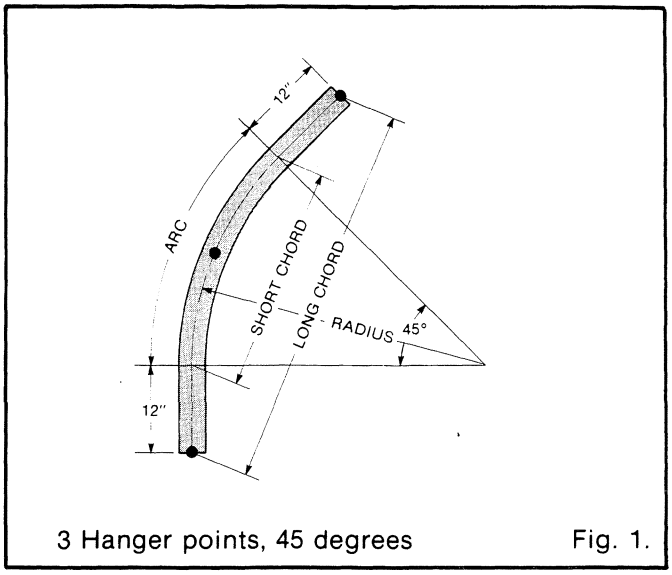
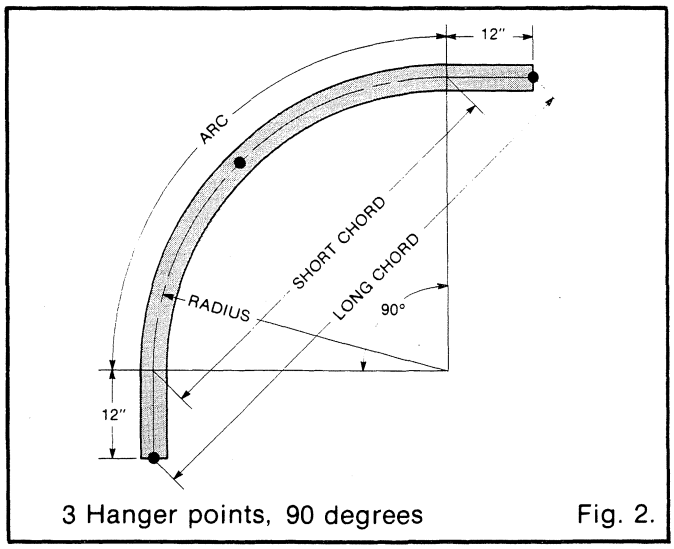
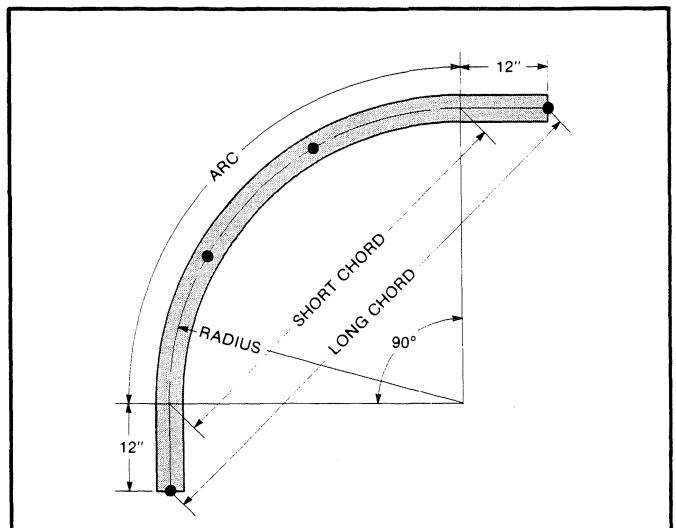


3 Hanger points, 45 degrees Fig. 1.



3 Hanger points, 90 degrees Fig. 2.



4 Hanger points, 90 degrees Fig. 3.