

GNY BOTTOM HOSE LOADER

This design of bottom loader with four swivel joint (Split Flange) is used for loading and unloading of rail cars and/or tank trucks, which provides good flexibility and easy to handle. Cross-over design available.

Size: 80 mm to 100 mm (3" to 4" NB)

Class: 150 lbs. and higher pressure rating

Construction: Carbon Steel, Aluminum, and Stainless Steel

Seal Material: PTFE (Teflon®) with Spring Energized/Buna-N, Viton®,

Balancing System: Torsion Spring Balance Assembly

Hose: SS Hose w/SS Wire Braided or Polypropylene w/ inner/outer helix.

Swivel Joint: C.S. Split Flange Design (also available Two-Piece Design)

Heavy-duty load bearing capacity ball-bearing raceway (345 BHN)

Main Seal can be replaced without dismantling ball bearings.



Split Flange Swivel Joint

Photograph showing two units with:

Primary Arm: 52" Aluminum

Hose: SS Hose with SS Wire Braided

Swivel Joint: CS Sytle 50 Heavy-Duty

with Roller and Ball Bearings.

Swivel Joint: AL Style 40 - Intermediate

Swivel Joint: AL Sytle 30 - Outlet Elbow

Torsion Spring Balance Assembly: C.S.

4" API Bottom Coupler with Viton Seals

ACCESSORIES (Optional):

Safety Break-Away Coupling (Shear Pin).

GNY Hose Bottom Loader

GNY EQUIPMENT, LLC.

20 DREXEL DRIVE · BAY SHORE · New York 11706 · USA

Phone: (631) 273 4940 · FAX: (631) 273 5018

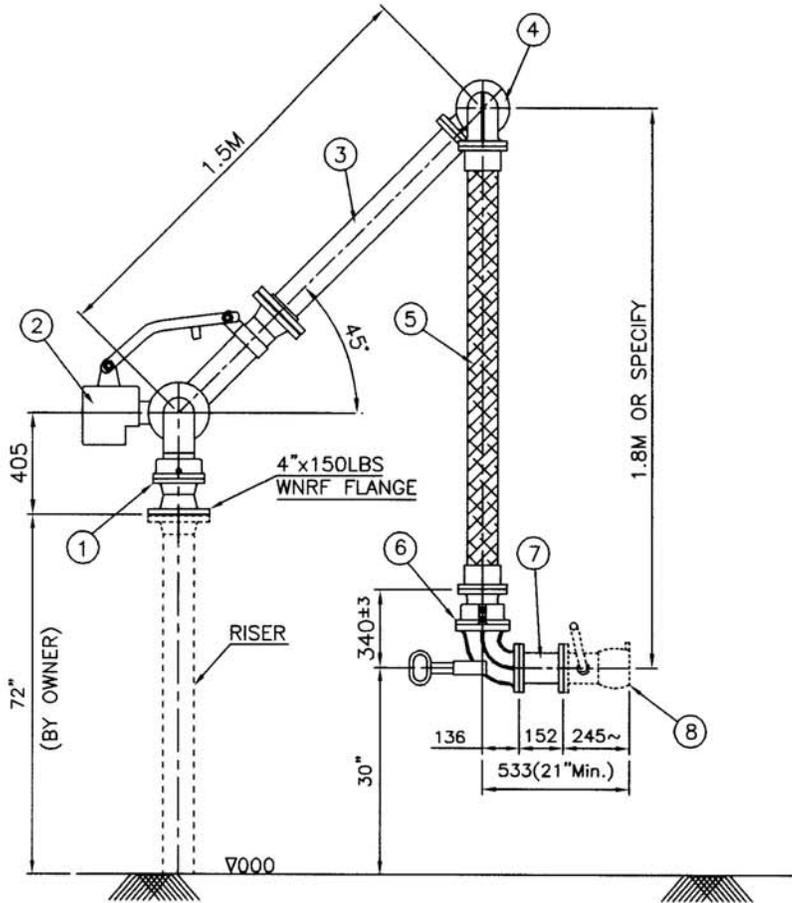
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October 2003

GNY BOTTOM HOSE LOADER ("A" FRAME MODEL NO: B81E)



GNY BOTTOM HOSE LOADER



1. STYLE 50 HEAVY DUTY C.S. SWIVEL JOINT(EPOXY PAINTED/POWDER COATED).
2. TORSION SPRING BALANCING SYSTEM.
3. PIPE ARM - ALUMINUM.
4. STYLE 40 ALUMINIUM SWIVEL JOINT.
5. HOSE WITH FLANGED-ENDS.
6. STYLE 30 ALUMINIUM SWIVEL (SPLIT FLANGE DESIGN) WITH HANDLE.
7. ALUMINIUM SPOOL PIECE.
8. API BOTTOM LOADING COUPLER WITH VITON SEALS.

NOTE.

1. ALL DIMENSIONS ARE IN MM U.O.N.
2. PLEASE SPECIFY THE REQUIRED HOSE LENGTH IF DIFFERENT.
3. SAFETY BREAK AWAY COUPLING CAN BE INSTALLED REPLACING ALU. SPOOL AT ITEM NO.7.

GNY EQUIPMENT, LLC
71 E. INDUSTRY CT.
DEER PARK, NY 11729
USA

"A"FRAME HOSE
BOTTOM LOADING ARM
SIZE: 4"x150LBS
MODEL: GNY-B81E

SKETCH NO. :
BLA/B81E
Rev. : 0
Sheet 1 of 1
Date : 12/12/2002

HEAVY-DUTY CS SPLIT FLANGE BASE SWIVEL JOINTS FOR TOP AND BOTTOM LOADERS



- **Size: 3" (85 mm) to 6" (150 mm)**
Swivel Joints are available in style 30, 40 and 50 with threaded-ends and flanged-ends connection or combinations, in ANSI 150 to 300 class.
Designed as per API Spec. Standard 6H.
- **Material of Construction**
Carbon Steel: CS A105/ A515 Gr. 60/70,
Stainless Steel: SS 304/SS 316 (CF8/ CF8M or equivalent) is also available.
Split Flange Design: The main seal can be replaced without dismantling any bearings.
(Two Piece standard design is also available).
- **Bearings**
Two Ball Bearing, fitted with two rows of ball bearing (Chrome CS or SS) **OR**
One Niddle Roller bearing with ball bearing units for heavy-load application.
- **Heavy-duty load bearing capacity widespread ball-bearing and roller-bearing raceway hardened up to 345 BHN** (equals to 37 Rockwell "C") through a special permanent metal hard facing process.
- **Seal Contact Faces are overlaid with Corrosion Resistant Stainless Steel (SS) Lining:**
All CS Swivel Joints are supplied with **Special Stainless Steel lining** at the main seal faces, on both nipple and housing for longer seal life and smooth rotation.
- **Seal Design**
Main Lip Seal of PTFE (Teflon ®) with Buna-n/Viton ® Insert/Spring Energized and "O"-rings.
A special Inverted Lip seal design for main-seal is also available.
- **Positive and Negative pressures**
Nipple (female) portion is **specially dimensioned** for the main seal to remain in the proper functioning position under both positive and negative pressure.
- **Designed to withstand temperature** variations from -20 to 180 Deg. Centigrade
A special low or high temperature application is also available.
- **Factory Lubricated**
Lubricated with Special wear resistant high temp. PTFE based lubricant and
Lubricated-for-life is also available.
- **Dust Proof.**
- **Warranted Maintenance free service for THREE YEARS** from date of supply.
- **Hydro testing and Special Testing**
All Swivel Joints are Internally Hydro-tested at shop before shipping. The Air test, Vacuum test, **Bending moment/Radial load test**, Pull load test, Torque test, External Pressure test, Electrical conductivity test and Life Cycle Tests (US Patented) have been conducted during the R&D (research and development) and these tests can be conducted upon request at extra cost.

GNY "A" FRAME BOTTOM LOADER

This design of bottom loader with four swivel joint (Split Flange) is used for loading and unloading of rail cars and/or tank trucks, which provides good flexibility and long reach it is also easy to handle.

Size: 50 mm to 100 mm (2" to 4" NB) for Spans up to 5 Meters

Class: 150 lbs., 300 lbs. and higher pressure rating

Construction: Carbon Steel, Aluminum, and Stainless Steel

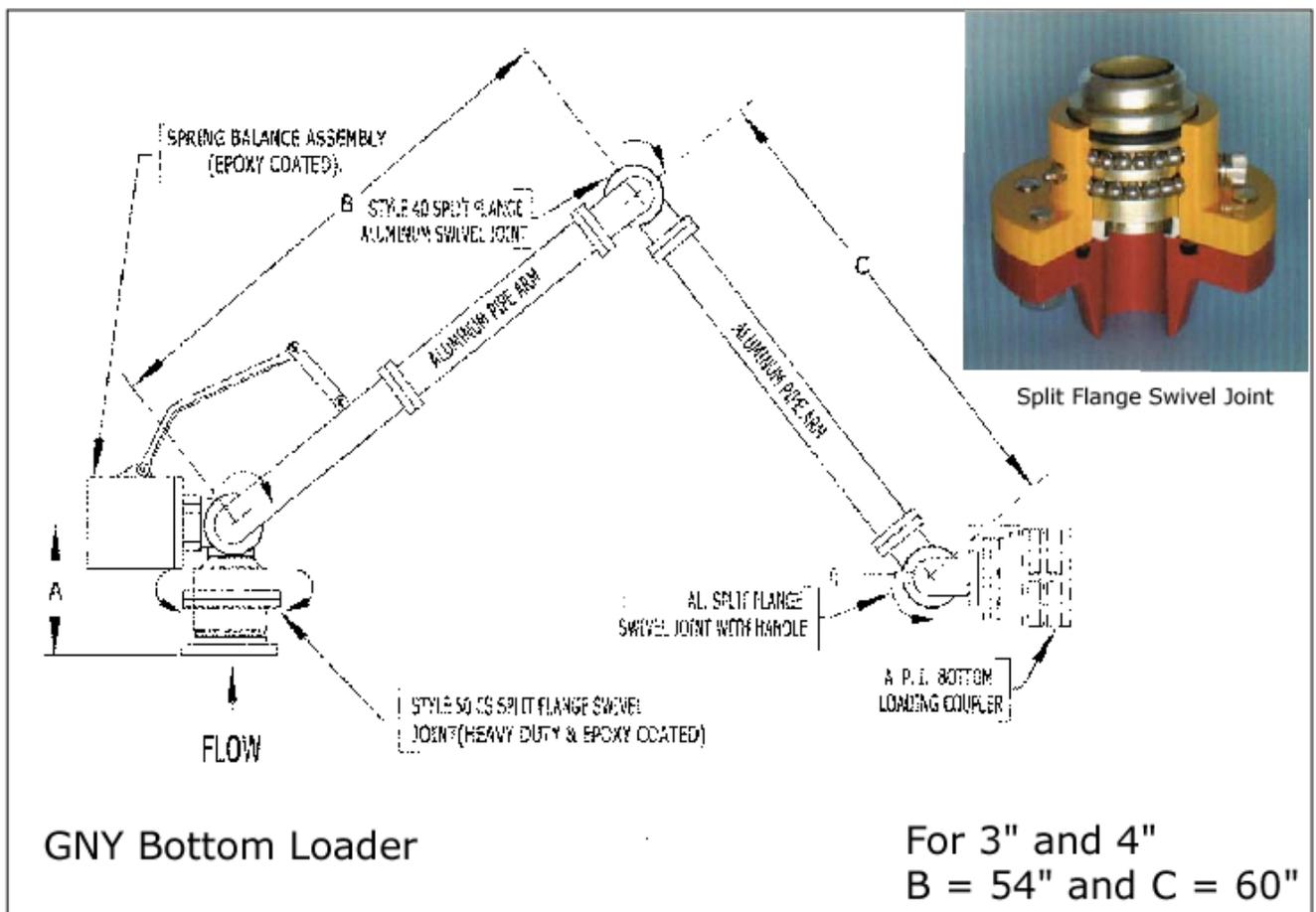
Seal Material: PTFE (Teflon®), Buna-N, Viton®, and Neoprene

Balancing System: Torsion Spring Balance Assembly

Swivel Joint: Split Flange Design (also available Two-Piece Design)

Heavy-duty load bearing capacity ball-bearing raceway (345 BHN)

Main Seal can be replaced without dismantling balls.



ACCESSORIES FOR LOADING ARMS (Optional):

Locking Arrangements for Parking and Filling Positions

Safety Break-Away Coupling for Loaders.

GNY TOP LOADER

This design of top loader with three swivel joint (Split Flange) is used for loading and unloading of rail cars and/or tank trucks, which can be accurately parked at fixed distance (movement in two planes with drop tube remaining vertical).

Size: 50 mm to 100 mm (2" to 4" NB) for Spans up to 5 Meters

Class: 150 lbs., 300 lbs. and higher pressure rating

Construction: Carbon Steel, Aluminum, and Stainless Steel

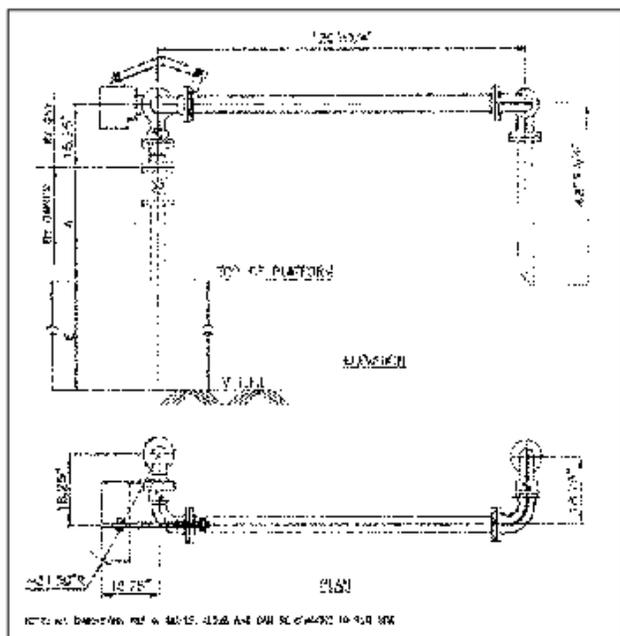
Seal Material: PTFE (Teflon®), Buna-N, Viton®, and Neoprene

Balancing System: Torsion Spring Balance Assembly

Swivel Joint: Split Flange Design (also available Two-Piece Design)

Heavy-duty load bearing capacity ball-bearing raceway (345 BHN)

Main Seal can be replaced without dismantling balls.



GNY Top Loader



Split Flange Swivel Joint

ACCESSORIES FOR LOADING ARMS (Optional):

Position Indicating System for Top Loaders

Anti-Overspill (Magnetic Reed Switch and PTFE Float Assembly)

Loading Valve (Full-Bore Ball Valve) and Vacuum Breakers

Locking Arrangements for Parking and Filling Positions

Safety Break-Away Coupling for Loaders.

GNY EQUIPMENT, LLC.

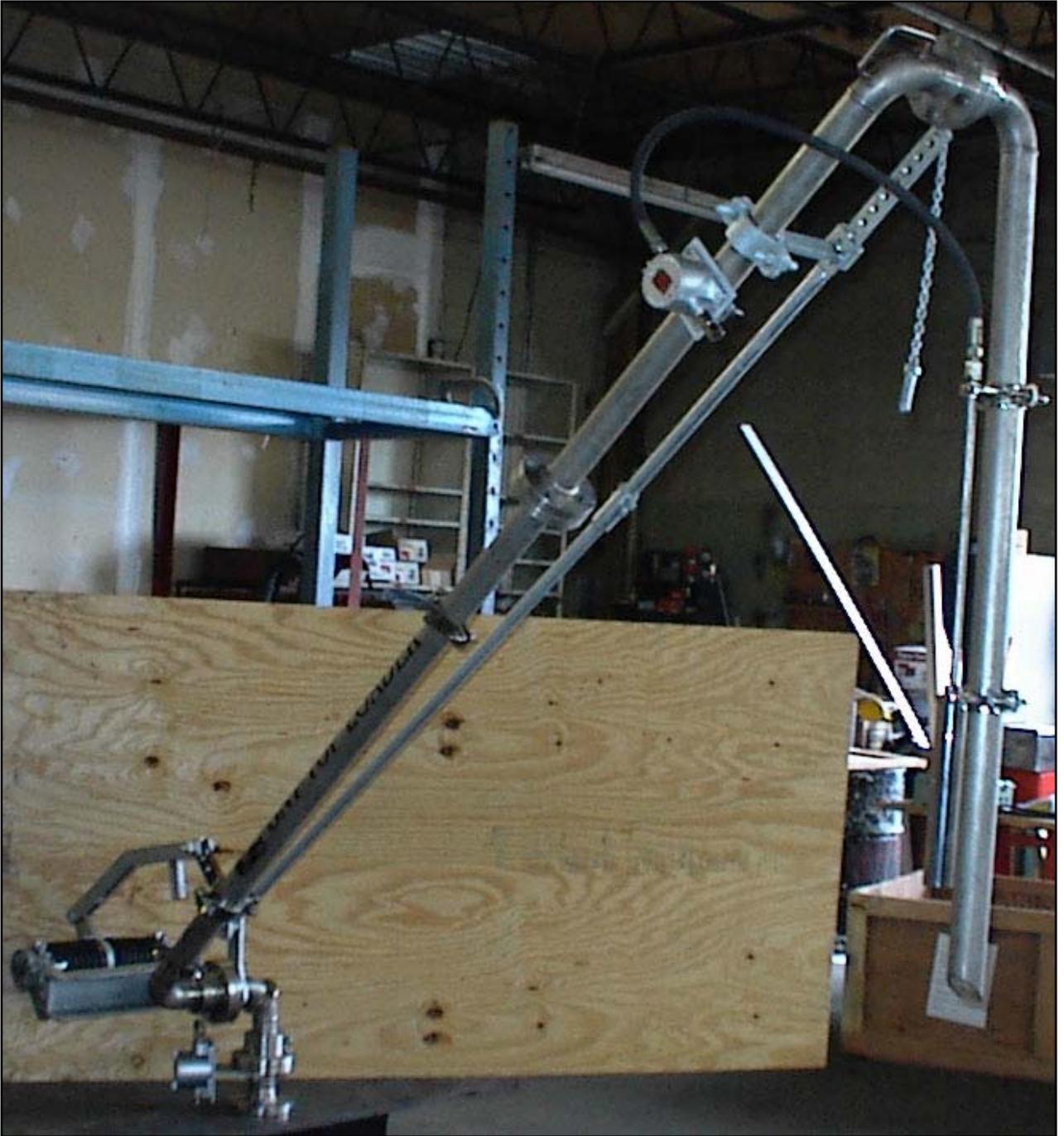
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GNY TOP LOADER : FIX REACH

SUPPLIED TO CHILE, S.A. (YEAR 2003/ Job No: FB 1168)



**2" X 150 LBS. STAINLESS STEEL TOP LOADER FOR
TURPENTINE TANK TRUCK LOADING WITH THREE SPLIT
FLANGE DESIGN SWIVELS W/PTFE SEALS, TORSION
SPRING BALANCE ASSEMBLY, ANTI-OVER SPILL ELEC.
SYSTEM WITH LOCKING FOR FILLING POSITION.**

GNY TOP LOADER : FIX REACH



Photographs (close-up) showing, installation (at factory) of top loader with drop tube, filling-in locking system and anti-over spill system with Junction box installation.

