



DP10A

Spot-Rite™ Arms
Two Post Surface
10,000 lb. Lift
Specifications

This bid specification covers Forward Lift Model DP10 Spot-Rite™ Two-Post Surface Mounted Frame Contact Lift. The purchaser or his agent shall provide electrical wiring and conduit, final electrical connections, fluid and labor for complete installation.

General Specifications:

- A** Rise: 77" (from floor level to top of high step adapter)
- B** Overall Height: 143 1/8" **
- C** Overall Width: 131" or 137" **
- D** Drive-Through Clearance at Tires: 97" or 103"
- E** Floor to Overhead Switch Bar: 136 1/4"
- F** Front Arm/Adapter length (each): 23" min, 44 1/2" max
- G** Rear Arm/Adapter length (each): 38 7/8" min, 58" max
- H** Minimum arm adapter height: 3 5/8" (floor to top of arm: no adapter)
- I** Distance Between Columns: 109 3/4" or 115 3/4"

Capacity: 10,000 lbs. (2,500 lbs. per adapter)

Power Unit: 2hp 208-230v single phase motor (3-phase optional)

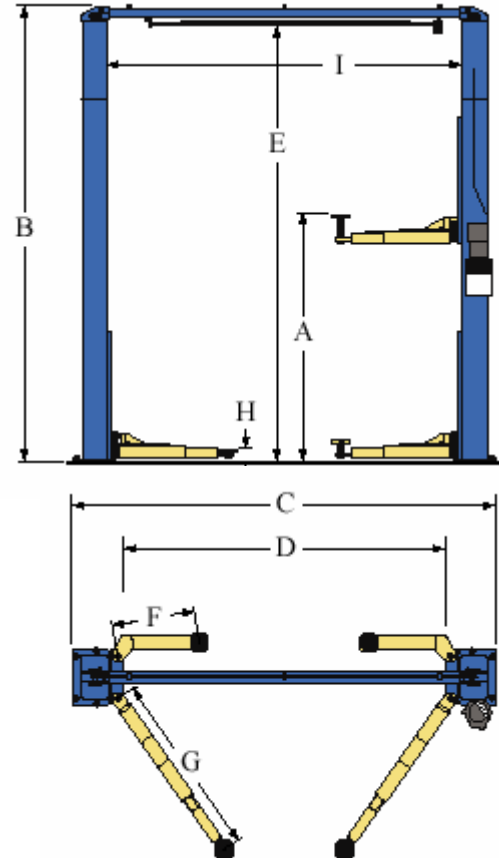
Two column/carriage/cylinder assemblies

Ceiling Height Required: 12'

Three stage front arms

Locks: Single point release

Speed of rise: 50 seconds



**Overall Height and width reflects standard setting. Alternative setting may be available, refer to Installation Instructions or consult factory for details.



Standards: The lift manufacturer shall be ISO9001 certified. The lift shall be third party certified by ETL testing laboratory and labeled with the ETL/Automotive Lift Institute (ALI) label that affirms the lifts conformance to all applicable provisions of American National Standard ANSI/ALI ALCTV-2006

Description of Installed Equipment:

I. Column/Carriage/Cylinder Assemblies:

Column. Each column shall be manufactured of one-piece formed steel having a thickness of not less than 3/16". Column design shall place the carriage bearing surfaces to the back of the column.

A. Each column shall contain one carriage having 8 bearing slider blocks manufactured from an Ultra High Molecular Weight polyethylene. Each bearing block shall have a bearing area of a minimum of 7 3/4 square inches each and spaced at a minimum of 44 7/8" center to center.

Locking Latches / Single Point Release. Each of the two assemblies shall contain a locking latch mechanism, external of the assemblies, for ease of service, which automatically sets at 4" increments after the first 13" of travel, continuing through full rise. The locking latch system shall have a manual release located near the power unit for operator convenience. The latches shall be spring actuated to automatically reset when the latch handle is released. There shall be no less than 14 locking positions per assembly.

Cylinder. Each column shall contain one Direct Pull, 67 1/2" stroke hydraulic cylinder. The rod diameter of the cylinder shall not be less than 25/32" with a cylinder casing of not less than 2 15/32". Each hydraulic cylinder shall be designed with a restrictor orifice to regulate the lowering speed so as not to exceed 20 feet per minute at rated capacity. Cylinder will be installed in such a way that all lifting force is applied directly to the top of the column. Cylinder replacement can be achieved without any disassembly of columns, column extensions or overhead assembly.

Column base plate and anchor orientation. Shall be designed to maximize the effectiveness of each anchor.

II. Arm/Adapter Assemblies:

- A.** Shall consist of four telescoping swing arm assemblies. The front arms shall be of a 3 stage design.
- B.** Spot-Rite arm design. This allows the DP10 to accommodate vehicles both asymmetrically and symmetrically.
- C.** Each arm assembly shall have an adapter base which is laterally adjustable and equipped with three sizes of height contact adapters, 1 1/2" (38mm), 3" (76mm) and 6" (152mm).
- D.** Each arm shall be equipped with an arm restraint feature capable of withstanding 150 lbs. of horizontal force. The restraint shall be designed to engage when the carriage has been raised 1" and automatically release when fully lowered.

III. Power Unit: The power unit shall be self contained with 2hp, 208-230v single phase 60 Hz motor. Fluid system shall have a capacity of 10.5 quarts (2.64 gals). Controls shall be "dead-man" type push button "up" and lowering lever for descent. Requires 20 amps. Service, (3 Phase optional).

IV. Equalization System: The lift shall be equipped with a mechanical equalization system to keep the two lifting carriages reasonably level at all stages of travel. The equalization shall consist of adjustable cables and sheaves with self lubricating bearings. The equalizer cables are used to laterally synchronize the load. They are not used as suspension cables to raise or support the load (this is accomplished by the two (2) full rise hydraulic cylinders).

V. Overhead Limit Switch Assembly: The lift shall be equipped with a padded overhead trip bar which actuates a limit switch wired to interrupt the power to the power unit should a vehicle contact the trip bar.

VI. Clear Floor: The equalization cables and hydraulic hoses shall be routed overhead to provide a clear floor work area under the vehicle.

General Warranty: Manufacturer shall warrant the lift to be manufactured from sound materials in a workmanlike manner and warrant lift against failure due to defective materials and workmanship for a period of not less than one years. (See Forward's Limited Warranty Statement applicable to this product).

Instructional Documents: The manufacturer shall supply Installation, Operation, Maintenance and Safety related instructions with each lift.

Replacement Parts: Replacement parts shall be available from a nationwide network of factory designated parts distributors.

**FORWARD LIFT
A DOVER COMPANY**