



# Di-Glide™ Quick Die Change System

(For Die Sets Weighing Up to 80 Tons)

**Patented** 







### **Features**

#### Performance

approximately 75# push force to position a 5000# die set

#### Capacity

lift force per running foot at 90 PSI is 2600#

#### **Power Source**

low volume plant air

#### **Benefits**

#### **Economical**

less than half the cost of most other die lifter systems

#### Long Life

years of service with little or no maintenance or repair

#### Safety

all components rated at least 300% of working force

### Heavy Duty Die Lifting System.

Di-Glide, big brother to our patented Tee-Lift system, is of rugged, simple construction to give the added strength and durability needed to lift heavier weight die sets. The various mounting options allow easy installation in or on your bolster.

System Operation: a steel rail with a number of 4000# capacity crowned rollers, is positioned above a neoprene air bag (rated at 500 PSIG). Plant air is piped to the bag through an air valve. When the system is pressurized, the rail lifts 3/8" to the shoulder stops and places the rollers 1/4" above the flat surface and holds this elevation during the die change. When the die has been positioned, the air is exhausted and the rail lowers 3/8" so that the rollers are now 1/8" below the flat surface. Two or more units may be connected, in series, through a single air valve for a complete die lifting system.

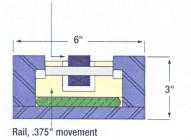
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# Di-Glide™ System

# **Mounting Holes** Rail 1.375" **OD Rollers**

Top View

Roller .125" Below Side Rails in Down Position

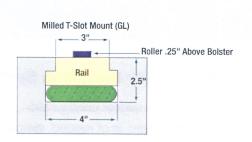


**Cross Section** 

**Usable Rail Length** 4" Typ End Guards Bolted to Side Rails .25" Above Bolster

Front View Position





On-Bolster Mount (DGL) Roller .25" Above Side Rails In-Bolster Mount (DGL\*\*) Roller .25" Above Bolster

How To Order

The coefficient of rolling friction for the system is .015, so that a 10,000# die set requires only 150 pound force to position.

Lift force is computed with this simple formula: rail length (ft) x PSIG input x 29

Therefore, a single 4 feet long rail at 90 PSIG would provide 10,440# of lift force, so that 2 rails could handle a 20,000# die set.

## **Required Information**

- 1. Heaviest die set to go in this press
- 2. Bolster dimension from front to back
- 3. Plant air pressure you can count on

We welcome your inquiry and will be glad to discuss your requirements and recommend the system that best suites your needs.



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