

Protective Bellows, M1022-A1 Lift Cylinders



The Protective Bellows for the M1022-A1 Dolly Set Lift Cylinders (and CLT Dolly Sets) provides protection to cylinder rods from environmental conditions such as dirt, corrosive elements and blowing sand while dolly sets are in service or in storage.

Prolonged exposure of cylinder rods to the environment with minimal preventative maintenance increases maintenance costs associated with rod corrosion and cylinder seal wear, thus reducing system availability when needed. The M1022-A1 Protective Bellows provide continued protection for lift cylinder rods to reduce corrosion and pitting, seal replacement and associated maintenance costs, thus increasing system availability.

The Protective Bellows are of a sewn construction made from a Hypalon Coated Nylon material (.035 inches thick). They are designed to be installed over top of the lift cylinder head while the cylinder is still attached to the dolly set (the top pin must be removed for installation). The bellows are then fastened to the cylinder body with standard SAE Collar Clamps.



The Protective Bellows are custom designed for the M1022-A1 Dolly Set Mobilizer to provide maximum protection when the lift cylinders are fully retracted (unit on ground), halfway extended (normal ride height), or fully extended (high end-lift for aircraft loading).

Material Specs for the Protective bellows are as follows:

Weight	35 oz/sq yd
Thickness035 inches
Substrate.....	Nylon
Coating.....	Hypalon
Working Temperature Range.....	-30f to +250f

The Hypalon coated Nylon material provides excellent fatigue life (estimated life in service ten years), and good resistance to abrasion, chemicals and oils.

The Protective Bellows for M1022-A1 Dolly Set Lift Cylinders can be ordered directly from CDK Mobile Systems Inc. (Cage 1NHH8) to Part Number 8D00411-1.

Bellows are also available for the larger Lift Cylinders used on M1022-A1 systems that have Side Lift Kits installed to Part Number 8D00412-1.

