



## **IDEAL TOOL FOR HIGH LIFT REQUIREMENTS OF NON-REINFORCED BROAD SURFACES FOUND ON TRUCKS, VANS & LIGHT AIRCRAFT.**

Rescue Air Cushions are an ideal tool for high lift requirements of non-reinforced broad surfaces found on trucks, vans and light aircraft.

Cushions are also used by collapse rescue teams to fill voids and regain support for Rescue Struts, wall braces and shoring. With a maximum lift height up to 40 inches (102 cm), Rescue Air Cushions are available in 4 sizes.

Paratech's Rescue Air Cushions are ready for a wide range of applications and are extremely versatile.



**TRAILER LIFT**



**VEHICLE LIFT**





Rescue Air Cushions are available in 4 sizes for maximum versatility and a wide range of applications.

**Typical Applications Include:**

- Major vehicle accidents (cars, trucks, buses)
- Light aircraft recovery
- Filling voids created in trench collapse
- Small vehicle turnovers
- Downed or trapped animals
- Flotation device
- Industrial lifting applications

A soft footprint allows placement on soft and uneven terrain, with a contact area exceeding lifting height.

Constructed with a highly durable contact area, Rescue Air Cushions have Neoprene coated exterior and interior reinforcement belts.

Rescue Air Cushions can be inflated using a variety of compressed air sources including industrial compressed air, compressed air storage cylinders, air brake systems and portable blowers.



VEHICLE LIFT



TRACTOR-TRAILER LIFT



CHINOOK HELICOPTER LIFT

### SAFETY AND OPERATIONAL FEATURES:

- Pressure relief valves on cushions and control valve
- Interior reinforcing maintains flat lift surfaces for direction of lift force
- Quick connect couplings with locking ring
- Positioning handles
- Each cushion is factory tested at 1.3 times operating pressure
- Contact area diameter exceeds lifting height
- Operating pressure of 0-14.5 psi / 1.0 bar aramid reinforced

### ADVANTAGES:

- Lifting heights from 17 in to 40 in / 43 cm to 102 cm
- Greater stability due to the size of the contact area
- Lighter loads have predictable lift results
- Full lift capacity over full lifting height
- Soft footprint allows placement on soft and uneven terrain
- User repairable for limited damage or punctures
- Four sizes to choose from

### EASE OF OPERATION:

Air Cushion inflation can be made from a variety of compressed air sources:

- Industrial compressed air
- Compressed air storage cylinders
- Air brake systems
- Portable blowers

Portable, hand held controller includes adjustable valves, gauges and pressure reliefs



## RESCUE AIR CUSHIONS



Part No.	Description	Diameter in / cm	Height Deflated in / cm	Height Inflated in / cm	Lift at Max Pressure lb / kg	Air Requirement cu ft / cu ltr	Weight Packed lb / kg
22-887005K	A/K Cushion 3.3 Ton (3.0 t)	24 / 61	2 / 5	17 / 43	6,560 / 2,976	10.4 / 295	35 / 15
22-887010K	B/K Cushion 5.1Ton (4.7 t)	30 / 76	2 / 5	23 / 59	10,250 / 4,650	22.0 / 620	38 / 17
22-887015K	C/K Cushion 7.4 Ton (6.7 t)	36 / 91	2 / 5	24 / 61	14,761 / 6,697	31.6 / 895	50 / 22
22-887020K	D/K Cushion 13.7 Ton (11.9 t)	48 / 122	4 / 10	39.4 / 100	26,248 / 11,906	106.0 / 3,010	56 / 25

## RESCUE AIR CUSHION KITS

### Each Rescue Air Cushion Kit consists of:

- Two Rescue Air Cushions with pressure reliefs
- A dual safety controller with quick connect couplings
- One length of 3/8 in / 9.5 mm diameter high pressure hose with quick connect couplings 16 ft / 5m
- Two lengths of 1 in / 2.5 cm diameter low pressure hose with quick connect couplings, 20 ft / 6 m
- Storage and carrying case
- Repair kit

## 6 TON / 5.4 METRIC TON LIFT KIT

Kit Part No.	Description	Net Weight:	lb	kg
22-887100KG2	AK/6 Ton (5.4 t)		103.0	47.0

  

Part No.	Description	Quantity
22-887005K	A/K Cushion 6 Ton (5.4 t)	2
22-887006	A/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation





**10 TON / 9 METRIC TON LIFT KIT**

Kit Part No.	Description	Net Weight:	lb	kg
22-887102KG2	BK/10 Ton (9 t)	111.0	50.0	

Part No.	Description	Quantity
22-887010K	B/K Cushion 10 Ton (9 t)	2
22-887011	B/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation



**14 TON / 12.7 METRIC TON LIFT KIT**

Kit Part No.	Description	Net Weight:	lb	kg
22-887104KG2	CK/14 Ton (12.7 t)	139.0	63.0	

Part No	Description	Quantity
22-887015K	C/K Cushion 14 Ton (12.7 t)	2
22-887016	C/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation



**26 TON / 23.6 METRIC TON LIFT KIT**

Kit Part No.	Description	Net Weight:	lb	kg
22-887106KG2	DK/26 Ton (23.6 t)	150.0	68.0	

Part No.	Description	Quantity
22-887020K	D/K Cushion 26 Ton (23.6 t)	2
22-887021	D/K Cushion Carrying Case	1
22-887305G3	Dual Controller with gauges and safety relief valves 14.5 psi / 1 bar	1
22-887400	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m RED	1
22-887401	Air Hose 1 in / 25 mm dia. x 20 ft / 6 m BLUE	1
22-890513	Air Hose 3/8 in / 9.5 mm dia. x 16 ft / 5 m BLACK	1
22-887099K	Repair Kit	1

Regulator needed for kit operation





## RESCUE AIR CUSHIONS ACCESSORIES



**A/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 2.4lb 1.1kg  
Part No. 22-887006



**B/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 3.0lb 1.4kg  
Part No. 22-887011



**C/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 4.3lb 2.0kg  
Part No. 22-887016



**D/K CUSHION CARRYING CASE**  
PVC coated, toggle fastening  
Net Weight: 6.1lb 2.8kg  
Part No. 22-887021



**DUAL CONTROLLER WITH GAUGES & SAFETY RELIEF**  
14.5 psi / 1.0 bar  
Net Weight: 4.2lb 1.9kg  
Part No. 22-887305G3



**SINGLE CUSHION CONTROLLER**  
14.5 psi / 1.0 bar  
Net Weight: 3.4lb 1.5kg  
Part No. 22-887314G3



**REGULATOR G2 200 PSI CGA (13.8 BAR)**  
Piston Type 5,500-0 psi / 379.2-0 bar CGA 347/346 inlet  
Net Weight: 3.6lb 1.6kg  
Part No. 22-895401G2



**REGULATOR G2 200 PSI DIN (13.8 BAR)**  
Piston Type Euro 5,500-0 psi / 379.2-0 bar DIN  
Net Weight: 3.5lb 1.6kg  
Part No. 22-895401DG2



**AIR HOSE RED** 1 in / 25 mm dia.  
20 ft / 6 m  
Net Weight: 11.0lb 5.0kg  
Part No. 22-887400  
40 ft / 12 m  
Net Weight: 22.0lb 10.0kg  
Part No. 22-887405  
60 ft / 18 m  
Net Weight: 33.0lb 15.0kg  
Part No. 22-887410



**AIR HOSE BLUE** 1 in / 25 mm dia.  
20 ft / 6 m  
Net Weight: 11.0lb 5.0kg  
Part No. 22-887401  
40 ft / 12 m  
Net Weight: 22.0lb 10.0kg  
Part No. 22-887406  
60 ft / 18 m  
Net Weight: 33.0lb 15.0kg  
Part No. 22-887411



**AIR HOSE BLACK**  
3/8 in / 9.6 dia.  
16 ft / 5 m  
Net Weight: 2.0lb 0.9kg  
Part No. 22-890513



**INLINE RELIEF, SHUT OFF & HOSE ASSEMBLY**  
1 in / 2.5 cm x 16 ft / 5 m  
Net Weight: 13.5lb 6.1kg  
14.5 PSI / 1.0 BAR RED HOSE  
Part No. 22-887350  
14.5 PSI / 1.0 BAR BLUE HOSE  
Part No. 22-887352



**ADAPTER NIPPLE**  
5/8 in / 1.6 cm nipple x 1.0 in / 2.5 cm hose  
Net Weight: 0.2lb 0.1kg  
Part No. 22-887460



**QUICK CONNECT COUPLINGS**  
for 1 in / 2.5 cm hose  
Net Weight: 0.6lb 0.3kg  
Part No. 22-887450



**REPAIR KIT / MEDIUM PRESSURE**  
Adhesive, assorted aramid/neoprene patches and 60 grit emory cloth  
Net Weight: 0.4lb 0.2kg  
Part No. 22-887099K



**SIDE WALLS ARE NEOPRENE COATED ON BOTH SIDES**

**PLATFORM TYPE LIFTING SURFACE**

**POSITIONING STRAPS**

**DURABLE AND LARGE 'FOOTPRINT'**

**VERTICAL REINFORCING BANDS**



**RAC INFORMATION MEDIUM PRESSURE**

TYPE PART NUMBER		AK 22-887005K	BK 22-887010K	CK 22-887015K	DK 22-887020K
MAXIMUM LOAD	lb	6,560	10,252	14,764	26,248
	kg	2,976	4,650	6,697	11,906
LIFT HEIGHT	in	17	23	24	39.4
	cm	43	58	61	100
DIAMETER	in	24	30	36	48
	cm	61	76	91	122
AIR REQUIRED	cu ft	10.4	22	31.6	106
	ltrs	295	620	895	3010
WEIGHT PACKAGED	lb	35	38	50	56
	kg	16	17	23	25
INSERT SPACE APPROXIMATELY	in	2	2	2	4
	cm	5	5	5	10
WORKING SURFACE	3 PLY NEOPRENE COATED BELT 0.2 in / 5 mm NOMINAL THICKNESS				
INFLATION PORT	MOLDED THREADED FITTING 1-1 / 6-12				
INLET NIPPLE	QUICK CONNECT W/THREADED LOCKING RING				
RESTRAINT WEBS	TWIN NYLON WEBS 1 in / 25 mm WIDE 2,399 lb / 1088 kg BREAKING STRAIN				
SIDE WALL	NEOPRENE COATED (BOTH SIDES) ARAMID FABRIC, KEVLAR REINFORCED				
BUILT IN RESET RELIEF VALVE	MOLDED, THREADED, SPRING LOADED SELF RESETTING AT 14.5 psi / 1.0 bar +/-10%				