



# UNIVERSAL GEARLESS PULLING & LIFTING MACHINE

**CAPACITY: 0.8 TO 5 TONNES**

**APPROVED**



**RDSO**

Research Design & Standard Organisation

**PRODUCT TESTED**

As per Requirements of IS 5604



## SALIENT FEATURES

- **Casing** : Pressed steel / Graded Aluminium
- **Jaw** : Made of Alloy Steel duly Heat Treated
- **Hooks** : Forged alloy steel
- **Shackles** : Alloy Steel
- **Wire rope**: Super Flex Galvanized Steel Core as per IS:2266

**SAFETY FACTOR  
5 TIMES**

## TECHNICAL SPECIFICATION

**PROOF LOAD TEST  
2 TIMES OF SWL**

MODEL		KPRDSO08	KPRDSO16	KPRDSO32	KPLBIS20	KPLBIS50
Dimensions (mm)		515 X 195 X 110	600 X 235 X 13	700 X 400 X 140	600 X 235 X 150	810 X 465 X 190
Capacity ( SWL )	Lifting	0.8 Tonnes	1.6 Tonnes	3.2 Tonnes	2.0 Tonnes	5.0 Tonnes
	Pulling	1.25 Tonnes	2.6 Tonnes	5.2 Tonnes	3.0 Tonnes	8.0 Tonnes
Velocity of wire rope		45 ± 5mm / Stroke	45 ± 5mm / Stroke	25 ± 5mm / Stroke	50 ± 5mm / Stroke	30 ± 5mm / Stroke
Effort (approx.)		25 kgf	35 kgf	45 kgf	35 kgf	50 kgf
Telescopic Handle Length		530/780 mm	760/1170 mm	800/1210 mm	760/1170 mm	800/1210 mm
Rope Dia / Type		8 mm / 6x19 SC	11.3 mm / 6x19 SC	16 mm / 6x36 SC	12 mm / 6x19 SC	20 mm / 6x36 SC
Rope Length with Fiting		10m/D-Shackle	20 m/Hook	10m/D-Shackle	20 m/Hook	10m/D-Shackle
Back Slippage of Wire Rope		10% of total Lift/stroke	10% of total Lift/stroke	15% of total Lift/stroke	10% of total Lift/stroke	15% of total Lift/stroke
Weight (Approx)***		8.0 kg	18.0 kg	30.0 kg	19.0 kg	47.0 kg

\*\*\* Without operating Handle, Wire Rope, Eye-Hook/ D-Shackle\*\*\*