



JYOTI
HYDRAULIC

www.jyotihydraulic.com

12V/24V/48V/60V Automatic Hydraulic Tipper Kit



— SPECIFICATIONS —

VOLT	CAPACITY	STROKE	TANK CAP.
• 48V/60V	600 Kg	195 mm	300 ml
• 48V/60V	600 Kg	250 mm	300 ml
• 48V/60V	600 Kg	300 mm	1.5 Ltr.
• 48V/60V	1000 Kg	450 mm	1.5 Ltr.
• 48V/60V	1000 Kg	600 mm	4 Ltr.
• 48V/60V	1500 Kg	450 mm	4 Ltr.



***Note : Stroke Length As Per Specification.**

Manual Hydraulic Tipper Kit

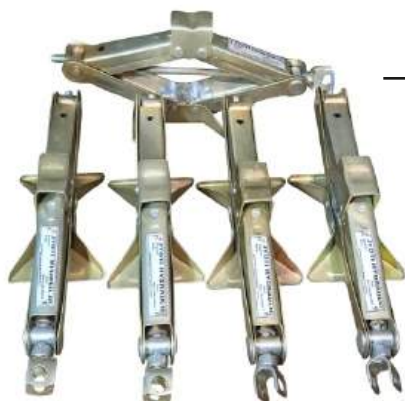


— SPECIFICATIONS —

CAPACITY	STROKE	TANK CAP.
• 600 Kg	195 mm	2 Ltr.
• 600 Kg	250 mm	2 Ltr.
• 600 Kg	315 mm	4 Ltr.
• 1000 Kg	450 mm	4 Ltr.
• 1000 Kg	600 mm	4 Ltr.
• 1500 Kg	450 mm	4 Ltr.

***Note : Stroke Length As Per Specification.**

Scissor Jack For EV Vehicles



— SPECIFICATIONS —

- Capacity : 1.2 Ton Max.
- Self Weight : 1.7 Kg
- Close Height : 60 mm
- Open Length : 300 mm



12V/24V/48V/60V DC Hydraulic Power Pack

Bolero & Pickup



**COMPACT
POWER
PACK**

SPECIFICATIONS

VOLT	CAPACITY	STROKE	TANK CAP.
• 12V/24V	2500 Kg	400 mm	8 Ltr.
• 12V/24V	3000 Kg	400 mm	8 Ltr.
• 12V/24V	4000 Kg	500 mm	12 Ltr.
• 12V/24V	5000 Kg	550 mm	12 Ltr.
• 12V/24V	7000 Kg	550 mm	12 Ltr.

*Note : Stroke Length As Per Specification.

Industrial Hydraulic Cylinders

SPECIFICATIONS

- Bore Size : 32 mm to 700 mm
- Stroke Length : 5 mm to 7500 mm
- Working Pressure : 5 Bar to 700 Bar



*Note : Stroke Length As Per Specification.

Hydraulic Baling Press Machine

SPECIFICATIONS

- For Carton & Corrugated Boxes
- For Pet Bottles
- For SS Scrap, Iron Scrap, Clothes



Manual Pumps

SPECIFICATIONS

- Double Piston Pump
- Discharge 18 ml Per Stroke
- Including Gasket, Bolts, Handle



Type 1 Design A



Translating Screw

Type 1 Design B



Translating Screw

Type 2 Design A



Rotating Screw

Type 2 Design B



Rotating Screw

Model No. & Capacity in Metric Tonnes	0.5	1	2	2.5	5	10	15	20	25	30	35	50	75	100	150	
Max. Lifting Force KN	5	10	20	25	50	100	150	200	250	300	350	500	750	1000	1500	
Lifting Screw Dia & Pitch mm	18 x 4	22 x 5	30 x 6	30 x 6	40 x 7	58 x 12	60 x 12	65 x 12	90 x 16	95 x 16	100 x 16	120 x 16	127 x 16	160 x 20	180 x 25	
Worm Gear Ratio	Normal	10 : 1	5 : 1	6 : 1	6 : 1	6 : 1	6 : 1	6 : 1	8 : 1	32 : 3	32 : 3	32 : 3	32 : 3	12 : 1	12 : 1	
	Slow	20 : 1	20 : 1	24 : 1	24 : 1	24 : 1	24 : 1	24 : 1	24 : 1	32 : 1	32 : 1	32 : 1	32 : 1	36 : 1	36 : 1	
Lift in mm per turn of Input shaft	Normal	0.4	1	1	1.0	1.167	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.667	2.08	
	Slow	0.2	0.25	0.25	0.250	0.292	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.566	0.694	
Max. Power input (KW)*	20% Duty	0.12	0.24	0.45	0.55	1.1	2.6	2.6	3.7	4.8	4.8	6.0	7.4	9	12.5	25
	10% Duty	0.17	0.32	0.63	0.75	1.5	3.7	3.7	5.2	6.7	6.7	8.4	10.4	13.5	17.5	17.5
Total Efficiency Rating %	Normal	27.2	27	26.4	23.2	21	23	22.5	21.5	20	19	18	15	15	15	15
	Slow	20	16	16	13.6	16	16	16	15	12	12	11.0	10.0	10	9.0	9
Screw Torque (Nm)*	At Max. Lift	8.8	17.3	44.6	60	153	468	717	1009	1725	2148	2500	4236	6630	11116	19270
	Max. Permissible torque (Nm) At Driving Shaft	12	20.5	36	46.5	92	195	195	230	480	480	705	840	1200	2660	4220
Weight without Screw & Protection Tube (kg)	1.2	1.2	7.3	7.3	16.2	25	25	36	70.5	70.5	87	176	538	538	538	
Weight per 100 mm Screw	0.14	0.17	0.32	0.45	0.82	1.67	1.8	2.15	4.15	4.62	5.20	7.70	8.62	13.82	18.6	

JACK SERIES	CAPACITY		GEAR RATIO	
	METRIC TONS	KN	Normal	Slow
WGSJ	0.5	0005	10:1	20:1
WGSJ	1	0010	5:1	20:1
WGSJ	2	0020	6:1	24:1
WGSJ	2.5	0025	6:1	24:1
WGSJ	5	0050	6:1	24:1
WGSJ	10	0100	6:1	24:1
WGSJ	15	0150	6:1	24:1
WGSJ	20	0200	8:1	24:1
WGSJ	25	0250	32:3	32:1
WGSJ	30	0300	32:3	32:1
WGSJ	35	0350	32:3	32:1
WGSJ	50	0500	32:3	32:1
WGSJ	75	0750	32:3	32:1
WGSJ	100	1000	12:1	32:1
WGSJ	150	1500	12:1	32:1

Type -1

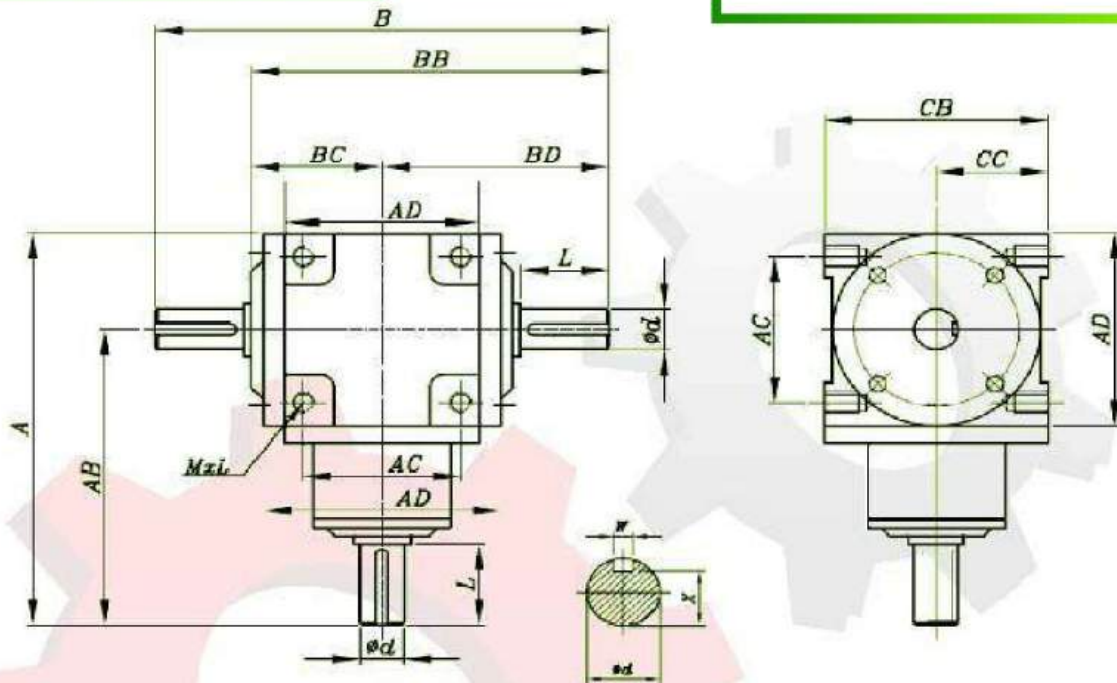


Type -2



BEVEL GEAR BOX

FG 10 TO FG 75

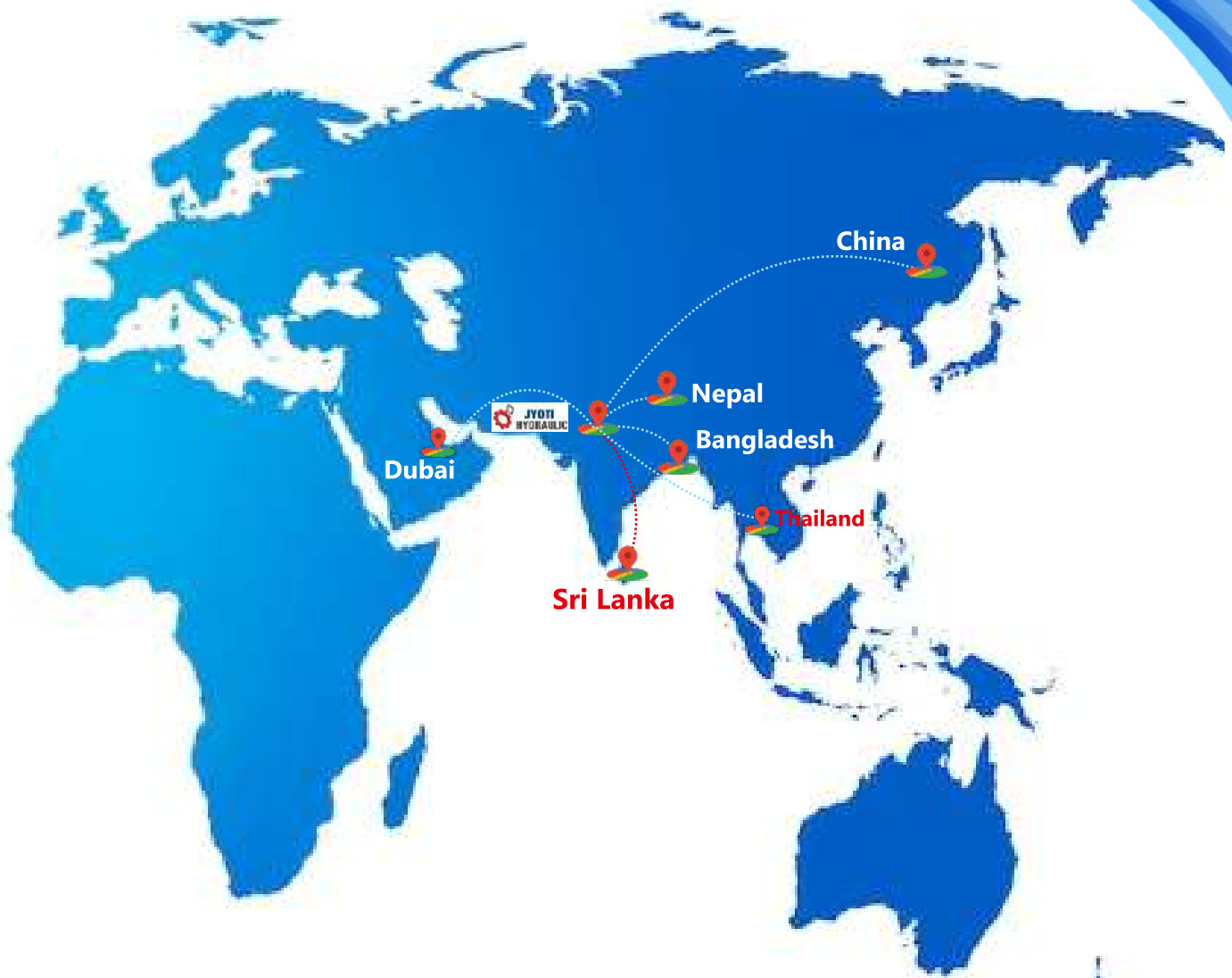


DIMENSION SHEET

Type FG Solid Input/Solid Output

TYPE	A	AB	AC	AD	B	BB	BC	BD	CB	CC	L	Qd	W(N9)	X	MxL
FG10	132	100	45	65	144	116	44	72	65	32.5	26	12	4	9.5	M4x8
FG20	195	145	76	100	216	176	68	108	92	46	35	20	6	16.5	M8x12
FG25	247	181	108	132	268	219	85	134	108	54	48	25	8	21	M10x20
FG35	326	250	114	152	330	265	100	165	156	78	60	32	10	27	M12x24
FG45	395	300	152	190	416	336	128	208	190	95	75	38	10	33	M12x24
FG55	445	335	184	220	480	377	137	240	220	110	100	55	16	49	M16x32
FG60	500	360	220	280	534	422	155	267	295	140	110	60	18	53	M16x32
FG75	625	445	280	360	650	527	202	325	382	180	120	75	20	67.5	M20x30





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