

The MGS Group



MGS SERIES TUSL SHAFTLESS TAKEUP

MGS Series TUSL Shaftless Takeups are available in six standard sizes to accept reels up to 120-inch in diameter. All are of rugged construction and are engineered for many years of trouble free service. Each will accommodate an unusually wide range of reels, and each is designed for operator compatibility.



FEATURES:

Centering Of Reels

All reels are centered on the product line to minimize cable deflection.

Construction

The machine frame is of steel plate and tube welded into a rigid structure. Lift arms are of rectangular steel tubing to provide exceptional strength in bending and torsion. Anti-friction bearings are used on all rotating shafts. Reel support pintles are case hardened to resist wear.

Electrical Equipment

Electrical controls are housed in a NEMA-12 enclosure with a disconnect switch. Controls include a starter for the hydraulic pump motor, and a control transformer (110-volt output). Input is 460/3/60 unless otherwise specified.

Lift Arm Travel

Arms move up, down, open, and close by pushbutton. Controls are provided at each side for operator convenience.

Digital Traverse

The digital traverse control system allows the operator to set the wire diameter directly on a four-digit control. This system greatly facilitates set up, in addition to giving an improved traverse lay. The traverse is electrical driven by a small reversing motor. The motor will drive the traverse through a ball screw with adjustable trips for traverse width. The traverse trolley is furnished with adjustable roller guides. A rapid traverse is furnished that will allow the traverse to be moved to one side for starting purposes. It can also be used to override the unit while running

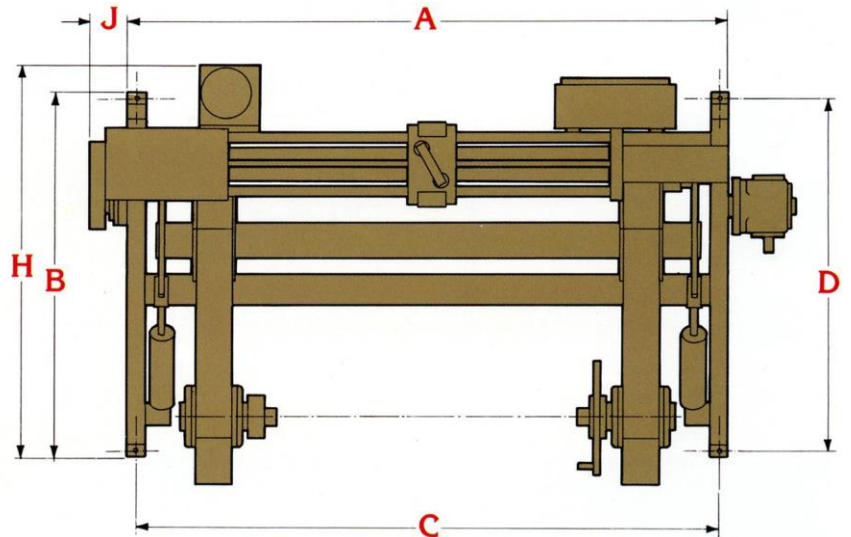
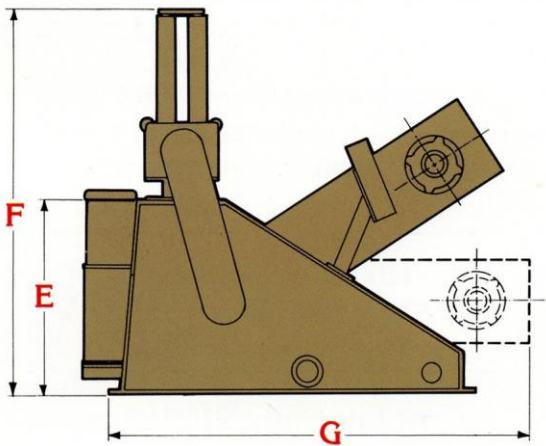
Safety Features

Arms will move only when pushbuttons are held down. Elevated reels are locked in position by a pilot operated check valve on each cylinder. Reels are lowered by gravity at a controlled rate and cannot be forced against the floor. Arms can be stalled in any direction without harm to the machine. The pintle drive is enclosed within one of the tubular lift arms.

Machine Finish

Machines are cleaned, primed, and spray finished with a tough machinery enamel.

The MGS Group also offers a complete line of Shaftless Payoffs to complement the TUSL series Takeups. Payoffs can be supplied driven or non-driven.



OPTIONAL EQUIPMENT:

MODEL	MAX/MIN REEL DIAMETER	MAX/MIN REEL OAW	REEL WT LBS
TUSL-48	50" / 20"	36" / 12"	8,000
TUSL-60	63" / 20"	48" / 12"	12,000
TUSL-72	72" / 26"	51" / 12"	14,000
TUSL-84	84" / 30"	61" / 12"	20,000
TUSL-96	96" / 40"	78" / 14"	30,000
TUSL-108	108" / 40"	84" / 14"	35,000
TUSL-120	120" / 40"	84" / 14"	40,000
TUSL-120HD	120" / 48"	84" / 20"	80,000

DIMENSIONS:

MODEL	DIMENSIONS IN INCHES								
	A	B	C	D	E	F	G	H	J
TUSL-48	78 $\frac{3}{4}$	44	76 $\frac{3}{4}$	41	33	52	50	52 $\frac{1}{2}$	6 $\frac{1}{2}$
TUSL-60	95 $\frac{3}{4}$	57	92 $\frac{3}{4}$	55	32	63	64 $\frac{3}{4}$	61 $\frac{1}{2}$	6 $\frac{1}{2}$
TUSL-72	101 $\frac{1}{2}$	61	98 $\frac{1}{2}$	59	32	75	70 $\frac{3}{4}$	67 $\frac{1}{2}$	6 $\frac{1}{2}$
TUSL-84	112	68 $\frac{1}{2}$	108	66 $\frac{1}{2}$	36	86	78 $\frac{3}{4}$	74 $\frac{1}{2}$	7
TUSL-96	145	82 $\frac{1}{2}$	140	80 $\frac{1}{2}$	41 $\frac{1}{4}$	102	90 $\frac{3}{4}$	89	7
TUSL-108	151	88 $\frac{3}{4}$	146	86 $\frac{3}{4}$	41 $\frac{1}{4}$	112	97 $\frac{3}{4}$	94 $\frac{1}{4}$	7
TUSL-120	151	101	146	98	41 $\frac{1}{4}$	124	105 $\frac{3}{4}$	107	7
TUSL-120HD	166	97 $\frac{3}{4}$	169	82	50	124	112	109	11 $\frac{1}{2}$

MGS / HALL designs and manufactures product handling solutions which include Payoffs, Takeups, Dancers, Accumulators, Measuring Machines, and Capstans to handle most any product from sensitive optical fiber to 1000MCM (507-mm²) power cable. We also can handle odd shapes, tubing, ribbon, and tape.

Our Automatic and Semiautomatic Takeups are extremely reliable for on-line packaging of a wide range of products and reels at high speeds, resulting in significant cost savings.

Machines that are built to meet the specifications of the individual customer is a characteristic of MGS/HALL systems. Comprehensive design and engineering capabilities together with meticulous manufacturing techniques and careful testing assure customer satisfaction. Some say we design machines with the user in mind. We like to think we're in the business of solving problems for other business – like yours!

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