

hurst 12 VDC PERMANENT MAGNET STEPPING MOTORS

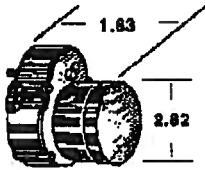
Can be driven with Hurst Stepping Motor Controllers

QUANTITY DISCOUNTS AVAILABLE FOR ADDITIONAL INFORMATION, ASK SALESPERSON

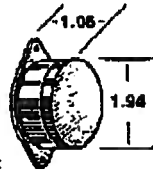
NOTE: TORQUE DECREASES AS SPEED INCREASES

SERIES AS:
GEARED TYPE
100 Ohm winding
resistance
Rated 3.5 Watts

SERIES ABS:
DIRECT DRIVE
53 Ohm winding
resistance
Rated 4.5 Watt



SERIES AS AND ABS
Weight each, 2 lbs.

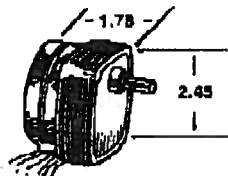


Shafts:
Direct Drive 1/8" dia x 5/8" long.
Geared Type, flatted shaft 3/16" dia. x 15/32" long.

GEARED TYPE....

STEP ANGLE (degrees)	TYPICAL TORQUE at 200 p/s	TYPE	H&R NO.	PRICE EACH
0.025	150 oz-in*	AS	H2-552	\$55.90
0.1	140 oz-in	ABS	H2-553	\$65.30
0.2	86 oz-in	ABS	H2-554	\$50.00
0.25	33 oz-in	AS	H2-555	\$51.10
0.5	35 oz-in	ABS	H2-556	\$50.90
0.75	23 oz-in	ABS	H2-557	\$51.20
1.0	19 oz-in	ABS	H2-558	\$47.90
1.8	5 oz-in	AS	H2-559	\$48.20
3.6	5.3 oz-in	ABS	H2-560	\$48.10

*Maximum gear train loading

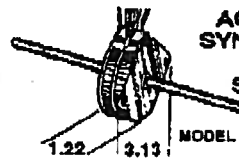
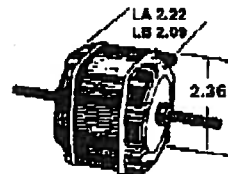


GEARED STEPPING MOTORS SERIES SAS

Power Input 8 Watts.
Winding resistance 36 Ohms.
Weight each, 2 lbs.

Reduction	Step Angle (degrees)	Output Speed 200 p/s (rpm)	Typical Torque 200 p/s (oz-in)**	H&R NO.	PRICE EACH
600	0.0125	0.42	200*	H2-100	\$58.40
300	0.0250	0.83	200*	H2-101	\$58.40
75	0.100	3.33	200*	H2-102	\$55.10
30	0.250	8.33	97	H2-104	\$48.00
15	0.500	16.67	52	H2-105	\$48.00
10	0.75	25.00	35	H2-108	\$42.50
2	3.75	125.00	7	H2-107	\$46.30

*Maximum gear train loading
**Torque measured at nominal voltage with L/R drive.



LINEAR ACTUATORS SYNCHRONOUS OR STEPPING

May be operated in horizontal or vertical position for pushing, pulling or lifting. Supplied with 8" long Acme screw (screws of longer or shorter lengths available on special order).

SYNCHRONOUS TYPE - RATED 115 VAC, 60 Hz

H&R NO.	MOD	INCH per SEC	MAX. LOAD LBS	INPUT POWER	SHPG WT	PRICE EACH
H2-327	LA	0.3125	10.0	7.5 watts	3 LBS	\$106.30
H2-328	LB	0.625	6.5	6.0 watts	3 LBS	\$108.40
H2-360	SL	0.240	16.0	6.5 watts	2 LBS	\$98.00

STEPPING TYPE - rated 12 VDC

H&R NO.	MOD	STEPS per INCH	MAX. LOAD LBS	WINDING RESISTANCE	SHPG WT	PRICE EACH
H2-325	PLBS	384	6.60	32.2 ohms	3 LBS	\$103.10
H2-326	LA6	768	10.0	35.2 ohms	3 LBS	\$107.00
H2-359	SLS	1000	15.0	25.0 ohms	2 LBS	\$95.50

STEPPING MOTOR CONTROL

General purpose controls and drivers for all Hurst and other 12 - 24 VDC, 4-phase bipolar wound stepping motors and linear actuators. All operate from a single 5 to 24 VDC supply.

Model 220001...DIP package containing all the basic circuitry required for operation of a 4-phase, unipolar stepping motor: a pulse generator, bidirectional logic sequencer, and phase drivers. Fabricated as a thick film hybrid circuit using CMOS bipolar components for small size and lower power consumption. Features: 5 V logic level control of rotational direction, run/hold, single step (jog), phase driver disable • 2-on, 2-off phase sequencing • drivers rated at 500 mA per phase. Shpg Wt, 8 ozs.

H2-361 \$52.20

Model EPC-016...PC board assembly containing the 220001 hybrid, power drive transistors, and all external components needed for manual control of stepping motor. Features: 3 position switch for operation of motor in continuous step, jog or hold mode • CW/CCW rotation selection switch • phase disable switch • step frequency adjust potentiometer • 2 A/phase drive capability. Size 4 x 4.5" Wt, 2 lbs.

H2-460 \$168.70

Model EPC-015...Totally encased, hand-held driver containing all the control features of EPC-016 plus selectable display of step frequency or step count. Features: 4 decade frequency/count display • all control features of EPC-016 • 1 A/phase motor drive capability. Size 1 x 3.5 x 6". Shpg Wt, 3 lbs.

H2-461 \$240.20

MODEL EPC-013...PC board assembly with additional control capability. Features: sequencing and drivers for 3 or 4 phase unipolar motors • 3 modes of excitation: full step, 2 phases on full step, 1 phase on - half step, alternating 1-2 phases • ramping oscillator for step rate control; adjustable ramp rate; linear or exponential ramp profiles • single step (jog) input • gating for external control of input pulses • manual or digital interface to control functions • 2 Amp per phase drive capability • operation from single 5 to 30 V supply (5 V regulator output available for external use). Size 6.5 x 4.5". Shpg Wt, 3 lbs.

H2-462 \$194.70

MODEL EPC-014...General Purpose Presettable Counter/Display. PC board assembly suitable for use with most drive systems. Typical application: preset with a number of motor steps, counts and displays the steps as executed, and provides a control signal when preset count is reached. Also suitable for count and control using input pulses derived from sources other than step commands. (e.g., from external encoder and other sensor.) Features: 4 decade counter/display • manual count preset via BCD switches • optional remote location of count preset switches and display • manual or digital control of enable input • 5V logic level output latch • operation from 5 VDC supply. Size 4" x 4.5". Wt, 4 lbs.

H2-463 \$165.50

CHECK AND CREDIT CARD ORDERS: \$25.00 MINIMUM • OPEN ACCOUNT ORDERS: \$50.00 MINIMUM - IN MERCHANDISE