

ABS Belt Guard Kits for HSM

HSM Range: Sizes 107C through 315J with motor mount in TOP mount configuration.

Features & Benefits: Lightweight ABS material

- Noise reduction – unlike expanded metal, ABS material deadens sound
- No rust; no sharp edges
- Full color penetration, OSHA safety yellow, shows few scratches

Tapered flanged design requires less space
 Reduced freight cost; environmentally friendly cardboard packaging.

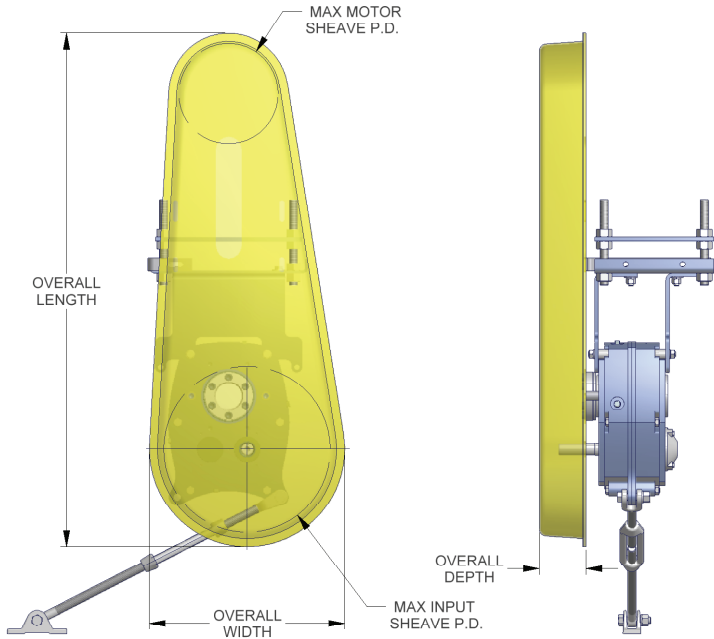
Kit Contents:

Guard cover (1)	Spacers (2)
Guard backplate (1)	L-brackets (2)
Fastening bolts/nuts/washers (varies)	U-nuts/star washers (varies)

Belt Drive Restriction: The guards will accommodate most 2:1 (or lower) belt drive ratios at the maximum rated horsepower for each HSM size. See dimension table below.

Customer Required Modifications: Simple drilling for perimeter U-nuts and star washers, Elongate motor shaft slot if using with an extended motor mount.

Availability: From stock in Chesapeake, VA.



Part Number	Max. Motor Sheave	Max. Reducer Sheave	Overall Length	Overall Width	Overall Depth
116BGT107	5.1	7.1	38.40	9.96	3.58
116BGT115	9.2	15.4	47.54	18.06	4.32
116BGT203	9.2	15.4	47.54	18.06	4.32
116BGT207	9.2	15.4	47.54	18.06	4.32
116BGT215	13.9	21.1	63.34	24.38	6.57
116BGT307	13.9	21.1	63.34	24.38	6.57
116BGT315	13.9	21.1	63.34	24.38	6.57

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Installation

Customer Modifications:

1. Visually inspect the motor shaft and backplate to ensure that the shaft projects through the elongated slot of the backplate. If it does not, you have an **extended top motor mount**, and the slot in the backplate needs to be elongated with a jigsaw, rotozip, or similar tool.
2. Determine the optimal locations in the mounting area for the enclosed U-nuts and star washers. Equal spacing around the guard flange is recommended.
3. Drill holes through the front cover flange using a 3/16" bit for 10-24 U-nuts, and 5/16" bit with 1/4-20 U-nuts. Make sure that the holes are 1/4" or more from the edge of the flange.
4. Align the front cover with the backplate and drill matching holes through the backplate.

Mounting Modifications:

1. Attach the L-brackets to the motor mount bottom plate using bolts, nuts and washers included in the kit.
2. Mount the backplate to the L-brackets using bolts, nuts, and washers provided in the kit. **Do not over-torque!**
3. Secure the backplate to the tapped holes above the output bore of the reducer using the bolts, washers, and spacers included in the kit. **Do not over-torque!** Excessive torque may damage the ABS material.
4. Install the belt drive. **Caution:** Belt tension directly affects the reducer life cycle. The ideal belt tension for any reducer input drive is the lowest tension setting that does not result in belt slippage. Use of a belt tension checker is highly recommended.
5. Attach the front cover to the backplate using the U-nuts and star washers included in the kit.

Parts List

Parts	HSM Model							
	107C	Qty.	115D	Qty.	203E	Qty.	207F	Qty.
Belt Guard Kit Master	116BGT107	1	116BGT115	1	116BGT203	1	116BGT207	1
Back Plate	WJMA8871	1	WJMA8872	1	WJMA8873	1	WJMA8874	1
Front Cover	CP13137	1	CP13138	1	CP13138	1	CP13138	1
Guard U-Nut Star Washer Packet	CP13212	1	CP13213	1	CP13213	1	CP13213	1
Bolt (for spacer)	000H010A045NG	2	000H010A045NG	2	000H010A050NG	2	000H012A055NG	2
Flat Washer	061H010----NG	2	061H010----NG	10	061H010----NG	10	061H012----NG	2
Lock Washer (spring type)	062S010----NG	2	062S010----NG	8	062S010----NG	8	062S012----NG	2
Bolt (for L-bracket)	000H008A030NG	6	000H010A030NG	6	000H010A030NG	6	000H010A030NG	6
Flat Washer	061H008----NG	8	N/A		N/A		061H010----NG	8
Lock Washer (spring type)	062S008----NG	6	N/A		N/A		062S010----NG	6
Nut	030H008R---NG	6	030H010R---NG	6	030H010R---NG	6	030H010R---NG	6
Belt Guard Spacer	WRMA8878-1	2	WRMA8878-1	2	WRMA8878-2	2	WRMA8878-2	2
"L" Bracket	WUMA8879-1	2	WUMA8879-2	2	WUMA8879-2	2	WUMA8879-2	2

Parts	HSM Model					
	215G	Qty.	307H	Qty.	315J	Qty.
Belt Guard Kit Master	116BGT215	1	116BGT307	1	116BGT315	1
Back Plate	WJMA8875	1	WJMA8876	1	WJMA8877	1
Front Cover	CP13139	1	CP13139	1	CP13139	1
Guard U-Nut Star Washer Packet	CP13214	1	CP13214	1	CP13214	1
Bolt (for spacer)	000H016A070NG	2	000H020A075NG	2	000H020A075NG	2
Flat Washer	061H016----NG	2	061H020----NG	2	061H020----NG	2
Lock Washer (spring type)	062S016----NG	2	062S020----NG	2	062S020----NG	2
Bolt (for L-bracket)	000H010A030NG	2	000H010A030NG	2	000H010A030NG	2
Flat Washer	061H010----NG	4	061H010----NG	4	061H010----NG	4
Lock Washer (spring type)	062S010----NG	2	062S010----NG	2	062S010----NG	2
Nut	030H010R---NG	2	030H010R---NG	2	030H010R---NG	2
Bolt (for L-bracket)	000H012A035NG	4	000H012A035NG	4	000H012A035NG	4
Flat Washer	061H012----NG	4	061H012----NG	4	061H012----NG	4
Lock Washer (spring type)	062S012----NG	4	062S012----NG	4	062S012----NG	4
Nut	030H012R---NG	4	030H012R---NG	4	030H012R---NG	4
Belt Guard Spacer	WRMA8878-3	2	WRMA8878-4	2	WRMA8878-4	2
"L" Bracket	WUMA8879-3	2	WUMA8879-3	2	WUMA8879-4	2