

# SERVOMECH - HS SERIES HIGH SPEED SCREW JACK

HS51  
Holesaw 51Mm

- 10 kN to 200 kN force
- Up to 100% duty cycle for continuous operation
- Motor mounts for IEC or servo units
- Options including encoder, protective bellows, safety nut.
- Food industry lubrication options



## PRODUCT DESCRIPTION

Long life synthetic oil lubricated bevel gear GLEASON spiral tooth system. High efficiency and low noise functioning Bevel gear ratio from 1:1 to 1:4 Angular backlash on output shaft max 10' (available on request reduced backlash) Input speed up to 3.000 rpm Ball screw drive, travelling nut (Model B) Available accessories: Incremental or absolute encoder for positioning control Prepared for IEC standard motors, AC or DC motors, and brushless servomotors (special motor flange adapter available upon request) Protective bellows Safety nut More option upon request: Lubricants for high or low ambient temperature Lubricants suitable for food industry NB. Due to the technical nature of these product, detailed application information is required before any quotation can be offered.

**Servomech**  
Screw jacks with travelling ball nut (Mod. B)

3.12 Overall dimensions  
HS Series

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Screw jacks with travelling ball nut (Mod. B)

3.12 Overall dimensions  
HS Series

Mod.	HS 10	HS 20	HS 50	HS 100	HS 200	HS 500	HS 1000
Max. force (kN)	10	20	50	100	200	500	1000
Max. speed (rpm)	3000	3000	3000	3000	3000	3000	3000
Lead (mm)	10	20	50	100	200	500	1000
Ball screw diameter (mm)	10	20	50	100	200	500	1000
Ball screw pitch (mm)	10	20	50	100	200	500	1000
Ball screw length (mm)	100	200	500	1000	2000	5000	10000
Ball screw material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Ball nut material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Ball nut length (mm)	100	200	500	1000	2000	5000	10000
Ball nut diameter (mm)	10	20	50	100	200	500	1000
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NOTE: For ball nut dimensions, see in 3.13 Ball nut dimension (page 75)

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