



Sumitomo Drive Technologies

Sumitomo Drive Technologies

A global power transmission solutions provider, with facilities strategically located throughout the world, providing comprehensive products and services in your region.



- ★ MANUFACTURING HUB
- ASSEMBLY & SERVICE
- SERVICE
- ▲ REGIONAL SALES OFFICE

Global Headquarters, Tokyo, Japan

Sumitomo Machinery Corporation of America
www.SumitomoDrive.com

For worldwide locations, please visit www.sumitomodrive.com/worldwide
 Contact your local representative at www.sumitomodrive.com/representative
 Tel: 1-800-SM-CYCLO (762-9256) 15.001.51.009 HSM Brochure 2024

HS HELICAL SHAFT MOUNT



• Taper-Grip® Bushing

• Screw Conveyor

• Packing Gland

• Lip Seal



INPUTS & OUTPUTS



• Backstops
Easily accessible sprag style



• Belt Drives
Modern "V" or traditional classic



• Belt Guards
Expanded metal or polymeric

ACCESSORIES

HOUSING

Rugged cast iron housing ensures maximum work life in demanding environments

TAPERED ROLLER BEARINGS

Oversized and heavy-duty for maximum strength and extended life

STRONGER GEARS

Hardened, honed and shaved with a 25° pressure angle

TAPER-GRIP BUSHING®

Offers simple shaft mounting and provides self-aligning, backlash-free torque transmission to the driven shaft

SEALS

CARBURIZED GEARING

Strong gear surface and resilient core to maximize shock resistance

HS HELICAL SHAFT MOUNT

RUGGED AND RELIABLE WITH ACCURATE GEAR ALIGNMENT

Provides a simple and convenient equipment interface by mounting directly on the drive shaft. Featuring ratios from 5:1 to 25:1 and input power capabilities more than 300 HP. The HSM uses our patented keyless Taper-Grip® Bushing for quick reducer mounting and removal. Robust integrated input shafts and pinions provide durability.

CEMA standard screw conveyor shafts in both two and three hole designs are readily available in both carbon steel and stainless steel. Accessories include Belt Guards, Backstops, Belt Drives and Top Mounts.

ORIENTATIONS



Horizontal



Vertical



Upright

SPECS



HP RATING
Up to 300 HP
(224 kW)



DIAMETER
107 to 608
(Hollow Bore)



TORQUE
Up to 388,884 lb•n
(43,938 N•m)



RATIO RANGE
5:1, 9:1, 14:1
20:1, 25:1