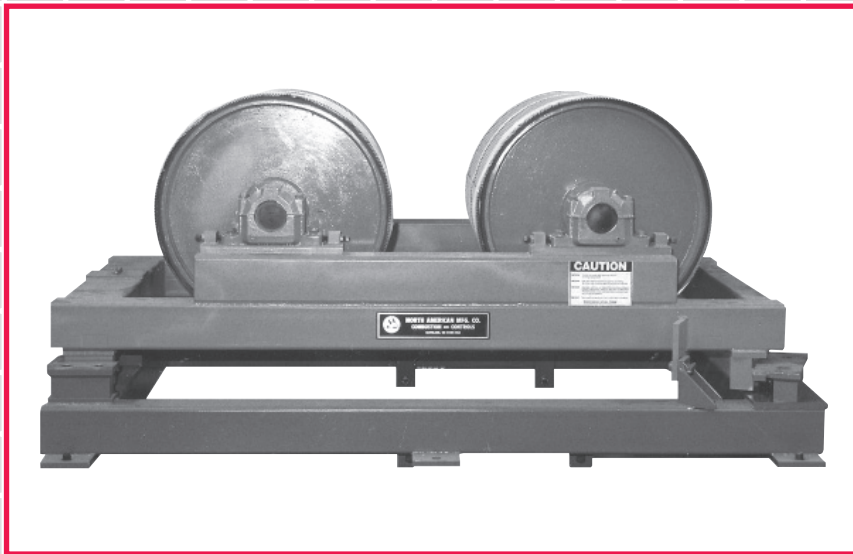


HM Series of Heavy Duty Metals Guides



- Fixed pivot displacement guides and adjustable link steering guides
- Heavy duty ASTM A500 tube construction frames, stress relieved and machined after welding
- Custom designed guides for any application or orientation to 40,000 lbs (178 kN) tension
- Hydraulic cylinders or electro-mechanical actuators
- Optional mounting of servo valves, detectors, bearing lubrication system, and customer supplied rolls and pillow blocks
- ± 6 (150 mm) correction capability is standard
- Slip fit safety locking pin and sealed cam roll bearings are standard

The heavy duty Fives North American HM series of guides is an excellent choice for the demanding guiding applications experienced in the metals industry. Every guide is custom designed with rigid steel tubular and plate construction to provide a high resistance to deformation from static and shock strip loadings in order to provide years of dependable service. Fives North American's HM guides can be provided with mounted detectors, servo valves, rolls, and bearing lubrication systems in order to decrease the required amount of field installation time. Lighter duty applications, requiring up to 4000 lbs (17.8 kN) of actuator force, can be provided with a Fives North American electro-mechanical acuator.

Selection Chart for Standard Designs

Model number	Description	Tension limit	Maximum aux. load ^①	Maximum guide span	Maximum roll dia.
HMDL-10	1 roll displacement	5 000 lb (22 kN)	3 500 lb (1590 kg)	—	36 in. (950 mm)
HMDM-10	1 roll displacement	14 000 lb (62 kN)	7 000 lb (3180 kg)	—	42 in. (1100 mm)
HMDH-10	1 roll displacement	23 000 lb (102 kN)	10 000 lb (4545 kg)	—	50 in. (1300 mm)
HMDL-20	2 roll displacement	5 000 lb (22 kN)	3 500 lb (1590 kg)	84 in. (2100 mm)	36 in. (950 mm)
HMDM-20	2 roll displacement	14 000 lb (62 kN)	7 000 lb (3180 kg)	96 in. (2400 mm)	42 in. (1100 mm)
HMDH-20	2 roll displacement	23 000 lb (102 kN)	10 000 lb (4545 kg)	120 in. (3050 mm)	50 in. (1300 mm)
HMSL-12	1 roll steering	5 000 lb (22 kN)	3 500 lb (1590 kg)	—	36 in. (950 mm)
HMSM-12	1 roll steering	14 000 lb (62 kN)	7 000 lb (3180 kg)	—	42 in. (1100 mm)
HMSH-12	1 roll steering	23 000 lb (102 kN)	10 000 lb (4545 kg)	—	50 in. (1300mm)
HMSL-32	Pinch roll or squeeze assembly	5 000 lb (22 kN)	3 500 lb (1590 kg)	—	36 in. (950 mm)
HMSM-32	Pinch roll or squeeze assembly	14 000 lb (62 kN)	7 000 lb (3180 kg)	—	42 in. (1100 mm)
HMSH-32	Pinch roll or squeeze assembly	23 000 lb (102 kN)	10 000 lb (4545 kg)	—	50 in. (1300 mm)

① Maximum auxiliary load is the weight of the roll(s), pillow blocks, strip weight, and any additional guide equipment.

Standard correction is ± 6 " (150 mm)

Above chart is based on a maximum roll face of 76" (1850 mm)

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