

Product



No. 1 Position

Axis for high load capacities

Product Features

- ü Larger size, rounds off the successful Gamma series at the lower end (smaller size), profile width 90 mm
- ü Available in all variants CAS ZSSD, AZSH, and AZSS
- ü ZSS: Toothed belt drive with one slide
- ü ZSSD: Toothed belt drive with **two independently** movable slides
- ü AZSS: Rack and pinion axis horizontal
- ü AZSH: Rack and pinion axis stroke version
- ü Choice of toothed belt or rack and pinion drive
- ü Closed basic profile for maximum rigidity, no additional support necessary
- ü Double profiled rail guide for high load rating

Specific to the rack and pinion drive:

- ü Dirt-resistant
- ü Sturdy
- ü Several slides can be attached on a profile, and can be controlled independently of each other

Specific to the belt drive:

- ü High process speeds are possible

Market and Competitors

Key Competitors:

- ü Güdel
- ü SNR
- ü Fibro
- ü Winkel
- ü Emag

Cost-effectiveness / Customer Benefits

- ü New smaller size G90 requires less installation space
- ü **Closed basic profile, thus high load capacities in self-supporting engineering designs**
Additional support designs are not required
- ü **Rail clamping element available for level control**
Provides greater process reliability and protects the system
- ü **Consistent modular design, which means simple configuration to customer requirements**
Less time spent in the engineering design and project planning
- ü **Differentiated product range and choice of toothed belt or rack and pinion drive**
which means optimal sizes for each application can be selected (no overdimensioning)
- ü **Double profiled rail guide**
for high load rating and precision
- ü Expansion technology according to customer requirements can mostly be implemented economically and within a short period of time -
Solutions à la carte

Technical Data / Functions

Technical Data:

- ü Sizes: G90, G120, G160, G220, G280
- ü Maximum stroke up to 7,650 mm
- ü Repeat accuracy: +/- 0.05 mm
- ü Maximum speed: up to 5 m/s
- ü Maximum acceleration: up to 60 m/s²
- ü Moment load 1,200 Nm to 16,000 Nm

Industries and Applications

The Gamma axis convinces in the following industries:

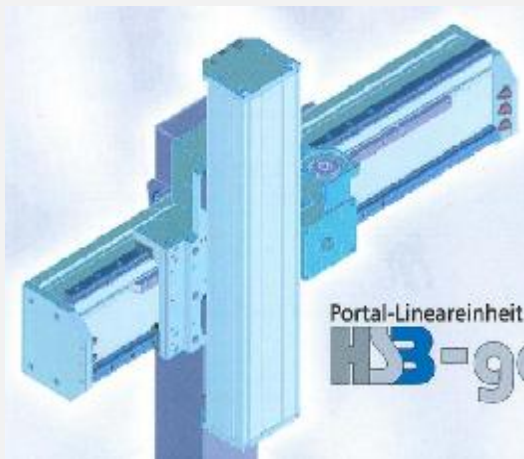
- ü Assembly and handling
- ü Machine processing
- ü Automotive
- ü Solar

Applications such as

- ü Linking machine tools (well-suited for the task)
- ü Machine tool loading and unloading
- ü Parts handling, parts assembly
- ü Laser machine tool loading
- ü Laser cutting, laser welding
- ü Battery handling

Additional Information

Example combination of axes:



Cross Section



1. Aluminum profile
2. Profiled rail guide
3. Slides
4. Toothed belt
5. Motor connection



Questions about the product? Your contact person in Product Management Automation is J. Khoury (+49 - 7133 - 103 - 2667)