No matter the degree of impairment, we can provide the correct cycle and accessories to offer new freedom and mobility.
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Please telephone for an appointment to visit.

We reserve the right to alter our products without notice where necessary for technical or safety reasons.

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What You should know about Us

In 1954, Walter Haverich, senior create a small production plant for building bicycle frames. In 1960, the famous Haverich tricycle with detachable rear axle was introduced. In 1979 the demand for cycles, individual parts and cycles for the physically challenged grew to a point that the firm constructed a modern manufacturing plant on Striegauer Street. The plant area occupies 12,000 square meters. In 1988 the plant had been enlarged up to 4,500 square meters.

In 1990, the firm’s founder, Walter Haverich, senior died. His three sons continue the enterprise with the same philosophy. Just as with “The Original Team”, today’s coworkers, working in ultra-modern production plants, carry on the tradition of quality, building products that improve the mobility and rehabilitation possibilities for physically challenged individuals.

Haverich adaptive cycles have enjoyed a good reputation over the past 5 decades in the field of physical and rehabilitation therapy. The first Haverich adaptive cycles were developed in co-operation with the University of Münster, orthopedic clinic. They were first used in the rehabilitation of patients with poliomyelitis. Today, their use is not confined to the rehabilitation facility but they are found general use outside of the hospital. The exercise of cycle riding has particular benefits for individuals with cerebral palsy as it improves the muscle tone.

All Haverich cycles, including tricycles, therapy bicycles with stabilizers or any one of our specialized line contribute to the independence and mobility of the challenged user. Each of our cycles is constructed with the specific needs of the used in mind. Body size, weight and specific limitations are critical factors when selecting the proper cycle. Proper design contributes to the success of the therapy program and the security of the user.

Good habits developed in the early days are still with us today. Haverich specialized cycles are renowned for their design giving detailed regard to the needs of the disabled. Solid workmanship, constantly refined, has been joined by sophisticated technology in the field of small-scale mass production.

We are one of the largest continental European suppliers of two and three wheeled cycles for disabled not least of all due to our well balanced formula of time honored skilled crafts, modern technology and rigid quality control.

“For years, Haverich specialized cycles have been tested and prescribed at Münster University Clinic and Heinrich-Piepmeyer House. They are used to treat children with cerebral palsy. The foot rests and leg guides are also available for normal tricycles. The adjustable backrests are well designed for their intended purpose. These well made cycles prove to be an excellent therapeutic adjunct in daily practice.”

Signed: Prof. Dr. H. H. Matthiass, Münster
Quick Finder

Our product line offers the largest number of options and models of adaptive cycles in the market. No matter the degree of limitations imposed by a physical challenge, models and adaptations are available so that you can enjoy cycling with your choice of adaptive equipment and color.

The choice of models depends on your specific needs. **Tricycles** are particularly suited for people with balance issues or with stability problems that require support of the trunk or feet.

**Therapy Bicycles** provide exercise and mobility for persons with less restrictive challenges. Primarily they are used in the rehabilitation of persons with mild balance problems or age-related issues.

**Tandems** are the ideal exercise equipment for persons who require the assistance of a caregiver to operate the cycle. The choice between a two wheel and three wheel tandem depends on the specific limitations of the rider. If the rider requires assistance in mounting or dismounting the cycle or significant balance issues then the tricycle is best choice.

In addition to the standard frame, available in either steel or aluminium, our models feature the Haverich exclusive folding frame or the Ergo frame TE (easy entry) recently honored by ADAC for design excellence.

Based on the following table, you can quickly determine the basic model and the catalog page that will meet your needs. The models shown are equipped with some optional accessories. The additional accessories are listed in the photo captions. Additional adaptive accessories are listed starting on page 33.

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<td>30-36</td>
<td>70 (32)</td>
<td>353 (160)</td>
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</tbody>
</table>

The correct selection of frame size and drive train depends on the body measurements of the user. Inseam length (dimension A on drawing below) and user weight are crucial factors in selecting the proper cycle that will offer a relaxed and healthy riding experience and a successful therapeutic result.

![Frame Dimensions](image-url)
No matter the extent of impairment, we are able to provide our clients with a new freedom of movement. Even our basic tricycle models allow challenged individuals a better integration and a higher degree of mobility. If the degree of impairment requires additional adaptations, we offer a wide range of alternative drives, seating and positioning adaptations. We are happy to offer customized solutions to specialized challenges. We are able to provide individualized answers to common problems and to develop a custom made solution for even the most difficult problems so that the health promoting aspects of bicycling may be enjoyed by all. A good example that our basic tricycle design is not the only solution we can offer to meet the needs of a specific problem is the development of our specialized cycles for people of “short stature.” These cycles were developed to meet the needs of people of short stature who have a relatively high body-mass index (BMI). In the same manner, development of saddle, pedals, customizable crank length, handlebar modifications and specialized accessories offer solutions for almost every need. Many insurance companies and health plans reimburse patients for our cycles.

Rugged frame design plus standard carrier, dual front wheel brake (caliper and drum) with parking brake lever, as well as precision ball bearings in rear axle and wheels ensure extremely smooth running. The vertically adjustable handlebars can also be positioned sufficiently forward of the rider so that he or she keeps his/her arms stretched and maintains an almost upright posture.

Seats can be adjusted so that with the pedal in bottom position the leg is straightened as much as possible at the knee joint. The selected gear ratios permit even severely disabled persons to ride a tricycle.

**HAVERICH-Specialized-Tricycle for congenital deformities and amputations of upper extremities.**

Also available as a bicycle. For additional accessories request is needed.

26/20 Tricycle with dysmelie handlebar, directional signals, three speed freewheel hub with coaster brake and lights.

We want to improve You Mobility
**HAVERICH–TRICYCLE**

Hand and foot powered, for patients with transverse lesion of the spinal cord (e.g. spina bifida) Available from Model 16/16 upwards.

Rigid drive train for forward and reverse riding, front caliper brake, dismountable rear axle. Folding frame available from Model 20/16 upwards. 3 speed freewheel hub with coaster brake available for manual drive train, reversing is then however not possible.

**Dimensions:** see standard tricycle models.

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**HAVERICH–TRICYCLE BA**

*With hand and foot drive for paraplegia, amputations and congenital anomalies from model 16/16 upward.*

Rigid drive for forward and reverse. Front wheel, caliper brake, detachable rear wheels. Starting from Model 20/16 available with folding frame. Can be fitted with 3-speed free-wheel hub with coaster brake. Reverse movement will not be available.

**Dimensions:** see standard tricycles.

**Dimensions:** see standard tricycle models.

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Model 24/20 BA with manual drive.

Rigid drive for forward and reverse riding, foot platforms, backrest with padded strap, steering angle limiter lock.

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**HAVERICH**

Small-Stature Bicycle 16”

*The specialized frame and components designed for small stature young people and adults who desire stability and robustness.*

These special therapy cycles are an important step towards social integration. Configuration and design is coordinated with the needs and specifications of the respective customer. Configuration and design on request.
Quick and easy to load into Car Trunk

The rear axle of Tricycle Models 16/16 and larger is detachable without removing the chain. This design, unique for tricycles for the disabled, allows the reduction of the cycle’s overall width by more than two fifths with just a few turns of a wrench.

Starting from tricycle 20/16, the frame is hinged in front of the crank allowing the front wheel to fold backwards. This unique construction design from Haverich makes it possible to transport the cycle in a passenger automobile.

Seats can be adjusted so that when a pedal is in the bottom position, the leg maintains a slight flex at the knee. The selected gear ratios enable the most severely challenged individual to ride a tricycle.

Rugged frame design plus standard carrier, dual front wheel brakes (caliper and drum) with parking lever, as well as precision ball bearings in the rear axle and wheels ensure an extremely smooth ride. The vertically adjustable handlebars can be positioned sufficiently forward of the rider so that he or she maintains an upright position.

Rear Hub Options for Tricycles

Our E-Bike-Option is now available for many of our models. The sensor controlled hub motor facilitates starting and conserves strength on uphill routes. Many jurisdictions do not require a special license for this trend setting propulsion system.

**Rigid drive train**

The basic version of our tricycles is equipped with a rigid drive train. Absence of a freewheel mechanism forces the rider to pedal continually which aids therapy. It also allows the rider to reverse the tricycle by back-pedaling.

**Selectable rigid gear rim with freewheel option**

The change-over takes place in the crank set. Thus it is possible that the caregiver can control the selection of pedal options, either continually pedalling or no pedalling.
**Freewheel hub with coaster brake**
Back pedaling activates brake action.

**3-speed freewheel hub with coaster brake**
User-friendly shifting mechanism allows tricycle to be ridden in hilly terrain, too. Shifting is accomplished via handlebar mounted click lever. Coaster brake for safe stops.

**3-speed freewheel hub, with backwards drive possibility and coaster brake**
Modification of the coaster brake allows the possibility to drive backwards.

**3-speed H3130 freewheel hub with integral drum brake**
Freewheel action allows back-pedaling without encountering resistance. Rider can thus easily turn cranks into the most suitable position before starting to pedal. Drum brake, integrated into rear hub is activated via handlebar-mounted lever.

**5-speed freewheel hub with coaster brake**
This 5-speed hub offers the rider a wide gearing range. Precision index grip shift lever allows shifting even while stationary. Hub is a sealed, maintenance-free system with coaster brake.

**5-speed freewheel hub, with backwards drive possibility and coaster brake**
Modification of the coaster brake allows the possibility to drive backwards.

**5-speed H5220 freewheel hub with integral drum brake**
Same as for 3-speed freewheel hub, except that it offers the additional advantages of 5 speeds.

**7-speed freewheel hub with coaster brake**
7-speed index shifting system. Shifting is possible while stationary. Maintenance-free, sealed mechanism with coaster brake.

**7-speed H7220 freewheel hub with integral drum brake**
Precision index grip shift lever allows shifting even while stationary. Hub is a sealed, maintenance-free system with coaster brake.

**Differential gearing**
With a differential-driven rear axle, the driving power will transfer to both rear wheels. Particularly useful with larger tricycles so the traveling comfort is improved.

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**HAVERICH–TRICYCLE**

**12/12 ALU**
For children from 1 1/2 to 3 1/2 years of age.

**HMV:** 22.51.02.0013
**Dimensions:** Minimum distance from seat top to pedal (in bottom position): 32 cm (12 1/2”), upward infinitely adjustable.
**Overall width:** (rear axle) 60 cm (24 1/2”)
**Overall length:** 104 cm (40 1/2”)
**Weight limit:** 35 kg (77 lbs)
**Wheel size:** 62 - 203 (12 1/2 x 2 1/4)
**Standard equipment:** Rigid drive train for forward and reverse riding, steering angle limiter, dual front caliper and drum brake, parking brake lever.

**Colors:** See color chart page 32
HAVERICH–TRICYCLE 16/16
For children from 3 to 6 years of age

HMV: 22.51.02.0002
Dimensions: Minimum distance from seat top to pedal (in bottom position): 43 cm (17”), upward infinitely adjustable.
Overall width: (rear axle) 68 cm (27”)
Overall length: 120 cm (47”)
Weight limit: 50 kg (110 lbs)
Wheel size: 47-305 (16 x 1,75 x 2)
Standard equipment: Removeable rear axle, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever.

Colors: See color chart page 32

Model 16/16 with accessories: footrests and leg guides, standard backrest and strap, steering angle limiter

HAVERICH–TRICYCLE 16/16 ALU
For children from 3 to 6 years of age

HMV: 22.51.02.0002
Dimensions: Minimum distance from seat top to pedal (in bottom position): 42 cm (16,5”), upward infinitely adjustable.
Overall width: (rear axle) 68 cm (27”)
Overall length: 123 cm (48,5”)
Weight limit: 50 kg (110 lbs)
Wheel size: 47-305 (16 x 1,75 x 2)
Standard equipment: Removeable rear axle, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, basket.

Colors: See color chart page 32

16/16 ALU base model
HAVERICH–TRICYCLE 20/16
For children from 5 to 8 years of age.

HMV: 22.51.02.0003

Dimensions: Minimum distance from seat top to pedal (in bottom position): 50 cm (20"), upward infinitely adjustable.

Overall width: (rear axle) 78 cm (31")
Overall length: 135 cm (53")
Weight limit: 60 kg (132 lbs)
Wheel size: front 47–406 (20 x 1.75 x 2)
rear 47–305 (16 x 1.75 x 2)

Standard equipment:
Removeable rear axle, folding frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever

Colors: See color chart page 32

20/16 ALU Tricycle base model

HAVERICH–TRICYCLE 20/16 ALU
For children from 5 to 8 years of age.

HMV: 22.51.02.0003

Dimensions: Minimum distance from seat top to pedal (in bottom position): 50 cm (20"), upward infinitely adjustable.

Overall width: (rear axle) 78 cm (31")
Overall length: 145 cm (57")
Weight limit: 60 kg (132 lbs)
Wheel size: front 47–406 (20 x 1.75 x 2)
rear 47–305 (16 x 1.75 x 2)

Standard equipment:
Removeable rear axle, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, basket

Colors: See color chart page 32

20/16 ALU Tricycle with accessories:
footrests and leg guides with Velcro straps and wraparound backrest with padded strap
HAVERICH–TRICYCLE 24/20 TE
For children from 8 to 12 years of age

HMV: 22.51.02.0004
Dimensions: Minimum distance from seat top to pedal (in bottom position): 60 cm (24”), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31”)
Overall length: 155 cm (61”)
Weight limit: 75 kg (165 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)
Standard equipment:
Removeable rear axle, low entry frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, Gel seat

Colors: See color chart page 32

24/20 TE Tricycle low entry frame with accessories: 3 speed freewheel hub and coaster brake

HAVERICH–TRICYCLE 24/20
For children from 8 to 12 years of age

HMV: 22.51.02.0004
Dimensions: Minimum distance from seat top to pedal (in bottom position): 60 cm (24”), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31”)
Overall length: 155 cm (61”)
Weight limit: 75 kg (165 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)
Standard equipment:
Removeable rear axle, folding frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, Gel seat

Colors: See color chart page 32

24/20 Tricycle with accessories: Footrests with leg guides and Velcro straps, wraparound backrest, shoulder strap, hip pads
HAVERICH–TRICYCLE 26/20 TE
For adults and children from 12 years of age

HMV: 22.51.02.0005
Dimensions: Minimum distance from seat top to pedal (in bottom position): 72 cm (28"), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31"
Overall length: 160 cm (63"
Weight limit: 90 kg (200 lbs)
Wheel size: 47–406 (20 x 1.75 x 2)
Standard equipment:
Removeable rear axle, low entry frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, Gel seat

Colors: See color chart page 32

26/20 TE Tricycle low entry frame with accessories: 5 speed freewheel hub with coaster brake and lights

HAVERICH–TRICYCLE 26/20
For adults and children from 12 years of age.

HMV: 22.51.02.0005
Dimensions: Minimum distance from seat top to pedal (in bottom position): 72 cm (28"), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31"
Overall length: 155 cm (61"
Weight limit: 90 kg (200 lbs)
Wheel size: 47–406 (20 x 1.75 x 2)
Standard equipment:
Removeable rear axle, folding frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, Gel seat

Colors: See color chart page 32

26/20 Tricycle with accessories: 3 speed freewheel hub with coaster brake, pedals with toe clips and lights
HAVERICH–TRICYCLE 26/20 VATE
For adolescents and adults

**HMV:** 22.51.02.0005

**Dimensions:** Minimum distance from seat top to pedal (in bottom position): 72 cm (28"), upward infinitely adjustable.

**Overall width:** (rear axle) 78 cm (31")

**Overall length:** 165 cm (65")

**Weight limit:** 100 kg (220 lbs)

**Wheel size:** 47–406 (20 x 1.75 x 2)

**Standard equipment:**
- Reinforced rear axle (removeable), rear mudguards, low entry frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, lights, Gel seat

Themes: See color chart page 32

26/20 VATE low entry frame with accessory: 3 speed freewheel hub with coaster brake

HAVERICH–TRICYCLE 26/20 VA
For adolescents and adults

**HMV:** 22.51.02.0005

**Dimensions:** Minimum distance from seat top to pedal (in bottom position): 72 cm (28"), upward infinitely adjustable.

**Overall width:** (rear axle) 78 cm (31")

**Overall length:** 160 cm (61")

**Weight limit:** 100 kg (220 lbs)

**Wheel size:** 47–406 (20 x 1.75 x 2)

**Standard equipment:**
- Reinforced rear axle (removeable), rear mudguards, foldable frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, lights, Gel seat

Colors: See color chart page 32

26/20 VA Tricycle with accessories: 3 speed freewheel hub with coaster brake and large, rear-mount basket
HAVERICH–TRICYCLE 24” TE for adolescents and adults

HMV: 22.51.02.0006
Dimensions: Minimum distance from seat top to pedal (in bottom position): 72 cm (28”), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31”)
Overall length: 180 cm (71”)
Weight limit: 100 kg (220 lbs)
Wheel size: 47–507 (24 x 1,75 x 2)
Standard equipment:
Removable rear axle, low entry frame, rigid drive train for forward and reverse riding, dual front caliper and drum brake, parking brake lever, lights, Gel seat.

Colors: See color chart page 32
HAVERICH–TRICYCLE 26” TEK
For adults

HMV: 22.51.02.0007

Dimensions: Minimum distance from seat top to pedal (in bottom position): 78 cm (31”), upward infinitely adjustable.

Overall width: (rear axle) 78 cm (31”)
Overall length: 186 cm (74”)
Weight limit: 120 kg (265 lbs)
Wheel size: 47–559 (26 x 1.75 x 2)

Standard equipment:
Rigid drive train for forward and reverse riding, differential, dual front caliper and drum brake, parking brake lever, lights, large, low-mount rear basket, Gel seat.

Colors: See color chart page 32

26” TEK tricycle, low entry frame with accessory: 7 speed freewheel hub with coaster brake

HAVERICH–TRICYCLE 26”
For adults

HMV: 22.51.02.0007

Dimensions: Minimum distance from seat top to pedal (in bottom position): 78 cm (31”), upward infinitely adjustable.

Overall width: (rear axle) 78 cm (31”)
Overall length: 180 cm (71”)
Weight limit: 120 kg (265 lbs)
Wheel size: 47–559 (26 x 1.75 x 2)

Standard equipment:
Rigid drive train for forward and reverse riding, differential, dual front caliper and drum brake, parking brake lever, lights, Gel seat.

Colors: See color chart page 32

26” Tricycle with accessory: 3 speed freewheel hub with coaster brake
Tricycle 28” TEK with accessory: 7 speed freewheel hub with coaster brake, top case

HAVERICH–TRICYCLE 28” TEK
For adults

Dimensions: Minimum distance from seat top to pedal (in bottom position): 70 cm (27.5”), upward infinitely adjustable.
Overall width: (rear axle) 78 cm (31”)
Overall length: 200 cm (78,5”)
Weight limit: 120 kg (265 lbs)
Wheel size: 28” (47-622)

Standard equipment:
3 speed freewheel with coaster brake, low entry frame, differential, front cantilever brake, large low-mount basket, steering damper, parking brake lever, lights with backup battery, Hub-Dynamo, Gel seat

Colors: See color chart page 32

Tricycle 27” Racer base model

HAVERICH–TRICYCLE 27” Racer
Dimensions: Minimum distance from seat top to pedal (in bottom position): 80 cm (31,5”), upward infinitely adjustable.
Overall width: (rear axle) 84 cm (33”)
Overall length: 185 cm (73”)
Weight limit: 100 kg (220 lbs)
Wheel size: 28” (32-622)

Standard equipment:
21 speed gear assembly, front drum brake, rear hydraulic brake, front mudguard, parking brake lever, lights, Gel seat, Cycle computer

Colors: See color chart page 32

Over the past few years, sporting events for the challenged athlete have generated increasing interest. Sports clubs that work with challenged athletes are demanding high performance, competitive equipment, suitable for the challenges of their members. We specialize in producing custom cycles for the challenged athletes, based on their body measurements as well as the specific requirements of the athlete. Contact us for a detailed consultation.
HAVERICH–TRICYCLE 24” MTB
HAVERICH–TRICYCLE 26” MTB

**Dimensions:** Minimum distance from seat top to pedal (in bottom position): 24”: 75 cm (30”), 26”: 80 cm (31.5”) upward infinitely adjustable.

**Overall width:** (rear axle) 78 cm (31”)

**Overall length:** 24”: 176 (69”) 26”: 187 (73.5”)

**Weight limit:** 100 kg (220 lbs)

**Wheel size:** 24” (50-507) 26” (54-559)

**Standard equipment:**
- Reinforced rear axle and rear mudguards,
- 21 speed gear assembly,
- rear hydraulic brake,
- parking brake lever, lights,
- Gel seat, trip computer

**Colors:** See color chart page 32

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HAVERICH–TRICYCLE 26” FEA
For adults

**HMV:** 22.51.02.0007

**Dimensions:** Minimum distance from seat top to pedal (in bottom position): 78cm (31”), upward infinitely adjustable.

**Overall width:** (rear axle) 78cm (31”)

**Overall length:** 191 cm (75”)

**Weight limit:** 120 kg (265 lbs)

**Wheel size:** 26” (47–559)

**Standard equipment:**
- 3 speed freewheel with coaster brake, differential, front cantilever brake, full suspension spring–frame and spring–fork, large low-mount basket, steering damper, parking brake lever, lights

**Colors:** See color chart page 32

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- The first Haverich tricycles with spring–fork and full suspension spring–frame. The spring element can be adjusted to the individual’s body weight. The suspension framework reduces the impact on the spinal column. The spring mounted front fork preserves the wrists and the shoulders. No longer does the challenged rider need to travel without comfort. Modern components and innovative bicycle technology led to these developments. On the new full suspension Haverich cycles, riding becomes an experience.
Which Type of Tandem is best for You and why the Caregiver sits in Front on Our Cycles

The basic criteria in deciding on a tricycle or bicycle tandem relate to the physical capacity of the challenged rider. If the tandem partner is limited in physical strength and requires either trunk, hand or feet support then the better selection is a tricycle tandem.

The reason why you will not find a HAVERICH-Tandem-Model on which the handicapped rider is sitting in the front position: Tandem cycles are usually employed when the challenged rider is either too young or the limitations are severe enough to preclude independent cycling. The caregiver should always be in charge of directional and braking control. It is our belief that this will offer the safest riding experience and preclude dangerous steering situations.

Rear Hub Options for Tandems

**3-speed freewheel hub with coaster brake**
User friendly shifting mechanism allows tricycle to be ridden in hilly terrain, too. Shifting is accomplished via handlebar mounted click lever or twist grip shift. Coaster brake for safe stops (Standard equipment).

**5-speed freewheel hub with coaster brake**
This 5-speed hub offers the rider a wide gearing range. Precision index gripshift allows shifting even while stationary. Hub is a sealed, maintenance-free system with coaster brake.

**Differential gearing**
With a differential-driven rear axle, the driving power will transfer to both rear wheels. Particularly useful with larger tricycles so the traveling comfort is improved. Standard equipment with tricycle tandem.

**Freewheel Crank set**
The rear rider is not required to pedal.
HAVERICH–TRICYCLE–TANDEM
20” MK
For severely challenged, dysmelia and unsighted.
Mother - child configuration.

Dimensions:
Front: Minimum distance from seat top to pedal 73 cm (29”).
Rear: Minimum distance from seat top to pedal 60 cm (24”)
Overall width: (rear axle) 78 cm (31”)
Overall length: 215 cm (85”)
Weight limit: 120 kg (265 lbs)
Wheel size: 54–406 (20 x 2)
Standard equipment:
Folding front frame, reinforced rear axle, rear mudguards, 3-speed freewheel hub with coaster brake, front drum brake, lock, lights, differential and Gel seat

Colors: See color chart page 32

HAVERICH–TRICYCLE–TANDEM
20” EW
For severely challenged, dysmelia and unsighted. Adult configuration.

Dimensions:
Front: Minimum distance from seat top to pedal 73 cm (29”).
Rear: Minimum distance from seat top to pedal 70 cm (27.5”)
Overall width: (rear axle) 78 cm (31”)
Overall length: 220 cm (87”)
Weight limit: 150 kg (330 lbs)
Wheel size: 54–406 (20 x 2)
Standard equipment:
Folding front frame, reinforced rear axle, rear mudguards, 3-speed freewheel hub with coaster brake, front drum brake, lock, lights, differential and Gel seat

Colors: See color chart page 32
HAVERICH–TRICYCLE–TANDEM 26” for severely challenged, dysmelia and unsighted.

Dimensions:
- Front: Minimum distance from seat top to pedal 85 cm (33.5”).
- Rear: Minimum distance from seat top to pedal 80 cm (31.5”)

Overall width:
- (rear axle) 78 cm (31”)

Overall length:
- 250 cm (98”)

Weight limit:
- 160 kg (353 lbs)

Wheel size:
- 57–559 (26 x 2)

Standard equipment:
- Reinforced rear axle, rear mudguards, 3-speed freewheel hub with coaster brake, front drum brake, lock, lights, differential and Gel seat.

Colors: See color chart page 32

Tricycle Tandem 26” base model

HAVERICH–BICYCLE–TANDEM 26” for severely challenged, dysmelia and unsighted.

Dimensions:
- Front: Minimum distance from seat top to pedal 80 cm (31.5”).
- Rear: Minimum distance from seat top to pedal 75 cm (29.5”)

Overall length:
- 240 cm (94.5”)

Weight limit:
- 160 kg (353 lbs)

Wheel size:
- 57–559 (26 x 2)

Standard equipment:
- 3-speed freewheel hub with coaster brake, front drum brake, lock, kickstand, lights

Colors: See color chart page 32

Bicycle Tandem 26” base model
HAVERICH–BICYCLE–TANDEM
20” MK
For severely challenged, dysmelia and unsighted
Mother-child configuration

Dimensions:
Front: Minimum distance from seat top to pedal 73 cm (29”).
Rear: Minimum distance from seat top to pedal 60 cm (23.5”)
Overall length: 200 cm (78.5”)
Weight limit: 120 kg (265 lbs)
Wheel size: 54–406 (20 x 2)
Standard equipment: 3-speed freewheel hub with coaster brake, front drum brake, lock, kickstand, lights, folding front frame, Gel seat.

Colors: See color chart page 32

Bicycle Tandem 20”, Mother-child size with accessory: 5-speed freewheel hub with coaster brake

HAVERICH–BICYCLE–TANDEM
20” EW
For severely challenged, dysmelia and unsighted.
Adult configuration

Dimensions:
Front: Minimum distance from seat top to pedal 73 cm (29”).
Rear: Minimum distance from seat top to pedal 70 cm (27.5”)
Overall length: 210 cm (79”)
Weight limit: 150 kg (330 lbs)
Wheel size: 54–406 (20 x 2)
Standard equipment: 3-speed freewheel hub with coaster brake, front drum brake, lock, kickstand, lights, folding front frame, Gel seats.

Colors: See color chart page 32

Bicycle Tandem 20”, Adult size with accessory: 5-speed freewheel hub with coaster brake
Rear Hub Options for Therapy Bicycles

**Rigid Drive Train**
Allows forward and backward riding.

**Freewheel Hub with Coaster Brake**
The basic version of our therapy bicycles is equipped with freewheel hub with coaster brake. Back pedaling activates brake action.

**3-speed Freewheel Hub with Coaster Brake**
User friendly shifting mechanism allows therapy bicycles to be ridden in hilly terrain, too. Shifting is accomplished via handlebar mounted click lever. Coaster brake for safe stops.

**3-speed Freewheel Hub, with Backwards Drive Possibility** (coaster brake)
Modification of the coaster brake allows the possibility to drive backwards.

**3-speed H3130 Freewheel Hub with Integral Drum Brake**
Freewheel action allows back-pedaling without encountering resistance. Rider can thus easily turn cranks into the most suitable position before starting to pedal. Drum brake, integrated into rear hub is activated via handlebar-mounted lever.

**5-speed Freewheel Hub with Coaster Brake**
This 5-speed hub offers the rider a wide gearing range. Precision index grip shift lever allows shifting even while stationary. Hub is a sealed, maintenance-free system with coaster brake.

**5-speed H5220 Freewheel Hub with Integral Drum Brake**
Same as for 3-speed freewheel hub, except that it offers the additional advantages of 5 speeds.

**7-speed Freewheel Hub with Coaster Brake**
Precision index grip shift lever allows shifting even while stationary. Hub is a sealed, maintenance-free system with coaster brake.

**7-speed H7220 Freewheel Hub with Integral Drum Brake**
Same as for 5-speed freewheel hub, except that it offers the additional advantages of 7 speeds.

**5-speed Electric Motor Drive**
- The sensor controlled drive makes safer starting possible
- and more comfortable uphill rides. The electric motor 5-speed hub drive with sensor control improves the quality of the ride. Most jurisdictions do not require a license for this trend-setting propulsion system.

(Please see additional pages 30 – 31)
HAVERICH–THERAPY–BICYCLE 16” ALU

HMV: 22.51.01.0002
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 43 cm (17”), upward infinitely adjustable.
Overall width: 65 cm (25.5”)
Overall length: 120 cm (47”)
Weight limit: 50 kg (110 lbs)
Wheel size: 47–305 (16 x 1.75 x 2)
Standard equipment:
Freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension.

Colors: See color chart page 32

Therapy Bicycle 16” ALU with accessory: 3-speed freewheel hub with coaster brake.

HAVERICH–THERAPY–BICYCLE 16”

HMV: 22.51.01.0002
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 43 cm (17”), upward infinitely adjustable.
Overall width: 65 cm (25.5”)
Overall length: 120 cm (47”)
Weight limit: 50 kg (110 lbs)
Wheel size: 47–305 (16 x 1.75 x 2)
Standard equipment:
Freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension.

Colors: See color chart page 32

Therapy Bicycle 16” base model.
HAVERICH–THERAPY–BICYCLE
20” Size I ALU

HMV: 22.51.01.0003

Dimensions:
Minimum distance from seat top to pedal (in bottom position):
50 cm (20”), upward infinitely adjustable.

Overall width: 68 cm (26,5”)
Overall length: 140 cm (55”)
Weight limit: 60 kg (132 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)

Standard equipment:
Freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension.

Colors: See color chart page 32

Therapy Bicycle 20” Size I ALU with accessory: 3-speed freewheel hub with coaster brake.

HAVERICH–THERAPY–BICYCLE
20” Size I

HMV: 22.51.01.0003

Dimensions:
Minimum distance from seat top to pedal (in bottom position):
50 cm (20”), upward infinitely adjustable.

Overall width: 68 cm (26,5”)
Overall length: 140 cm (55”)
Weight limit: 60 kg (132 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)

Standard equipment:
Folding frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension.

Colors: See color chart page 32

Therapy Bicycle 20” Size I base model
HAVERICH–THERAPY–BICYCLE
20” Size II

HMV: 22.51.01.0003

Dimensions:
Minimum distance from seat top to pedal (in bottom position): 60 cm (24”), upward infinitely adjustable.

Overall width: 68 cm (26.5”)
Overall length: 150 cm (59”)
Weight limit: 75 kg (165 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)

Standard equipment:
Folding frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

HAVERICH–THERAPY–BICYCLE
20” Size II TE

HMV: 22.51.01.0003

Dimensions:
Minimum distance from seat top to pedal (in bottom position): 60 cm (24”), upward infinitely adjustable.

Overall width: 68 cm (26.5”)
Overall length: 150 cm (59”)
Weight limit: 75 kg (165 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)

Standard equipment:
Low entry frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.
HAVERICH–THERAPY–BICYCLE
20” Size III

HMV: 22.51.01.0003
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 70 cm (27,5”), upward infinitely adjustable.
Overall width: 68 cm (26,5")
Overall length: 155 cm (61")
Weight limit: 90 kg (198 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)
Standard equipment:
Folding frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension, Gel seat.

HAVERICH–THERAPY–BICYCLE
20” Size III TE

HMV: 22.51.01.0003
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 70 cm (27,5”), upward infinitely adjustable.
Overall width: 68 cm (26,5")
Overall length: 155 cm (61")
Weight limit: 90 kg (198 lbs)
Wheel size: 47–406 (20 x 1,75 x 2)
Standard equipment:
Low entry frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension, Gel seat.
HAVERICH–THERAPY–BICYCLE 24”

HMV: 22.51.01.0004
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 72 cm (28”), upward infinitely adjustable.
Overall width: 70 cm (27.5”)  
Overall length: 170 cm (67”)
Weight limit: 100 kg (220 lbs) 
Wheel size: 47–507 (24 x 1,75 x 2) 
Standard equipment: Folding frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Colors: See color chart page 32

HAVERICH–THERAPY–BICYCLE 24” TE

HMV: 22.51.01.0004
Dimensions:
Minimum distance from seat top to pedal (in bottom position): 72 cm (28”), upward infinitely adjustable.
Overall width: 70 cm (27.5”)  
Overall length: 170 cm (67”)
Weight limit: 100 kg (220 lbs) 
Wheel size: 47–507 (24 x 1,75 x 2) 
Standard equipment: Low entry frame, freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Colors: See color chart page 32
HAVERICH–THERAPY–BICYCLE
26”

**HMV:** 22.15.01.0005

**Dimensions:**
Minimum distance from seat top to pedal (in bottom position): 78 cm (31”), upward infinitely adjustable.

**Overall width:** 67 cm (26”)

**Overall length:** 180 cm (71”)

**Weight limit:** 110 kg (250 lbs)

**Wheel size:** 47–559 (26 x 1.75 x 2)

**Standard equipment:**
3-speed freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Colors: See color chart page 32

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HAVERICH–THERAPY–BICYCLE
26” TE

**HMV:** 22.15.01.0005

**Dimensions:**
Minimum distance from seat top to pedal (in bottom position): 78 cm (31”), upward infinitely adjustable.

**Overall width:** 67 cm (26”)

**Overall length:** 185 cm (71”)

**Weight limit:** 110 kg (250 lbs)

**Wheel size:** 47–559 (26 x 1.75 x 2)

**Standard equipment:**
Low entry frame, 3-speed freewheel hub with coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Colors: See color chart page 32
Relaxed riding, up and down hill, is now possible with our new bicycle with telescopic suspension and electronic supported propulsion system that is controlled by pedal pressure. The high performance motor can be switched on, depending upon need, in two booster options.

A button on the control unit, installed on the handlebar, can change between the fast speed or the Econ mode for extended range of travel.

The range of 15 to 30 kilometers depends on different factors such as terrain, weight of rider and the pedaling contribution of the rider.

Many jurisdictions do not require a special license for this trentsetting propulsion.

HAVERICH–THERAPY–BICYCLE

20” Size III E-Bike

HMV: 22.51.01.0003

Dimensions:
Minimum distance from seat top to pedal (in bottom position):
70 cm (27.5"), upward infinitely adjustable.

**Overall width:** 68 cm (26.5")
**Overall length:** 155 cm (61")
**Weight limit:** 90 kg (198 lbs)
**Wheel size:** 47–406 (20 x 1.75 x 2)

**Standard equipment:**
Low entry frame, 5-speed electric motor freewheel hub, rear caliper brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Colors: See color chart page 32

Therapy Bicycle 20” Size III E-Bike, low entry frame base model
HAVERICH–THERAPY–BICYCLE

24” E-Bike

**HMV:** 22.51.01.0004
**Dimensions:**
Minimum distance from seat top to pedal (in bottom position): 72 cm (28”), upward infinitely adjustable.
**Overall width:** 70 cm (27.5”)
**Overall length:** 170 cm (67”)
**Weight limit:** 100 kg (220 lbs)
**Wheel size:** 47-507 (24 x 1.75 x 2)
**Standard equipment:**
Low entry frame, 5-speed electric motor freewheel hub, rear coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension and Gel seat.

Therapy Bicycle 24” E-Bike, low entry frame base model

**Colors:** See color chart page 32

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HAVERICH–THERAPY–BICYCLE

26” E-Bike

**HMV:** 22.15.01.0005
**Dimensions:**
Minimum distance from seat top to pedal (in bottom position): 78 cm (31”), upward infinitely adjustable.
**Overall width:** 67 cm (26”)
**Overall length:** 185 cm (71”)
**Weight limit:** 110 kg (242 lbs)
**Wheel size:** 47-559 (26 x 1.75 x 2)
**Standard equipment:**
Low entry frame, 5-speed electric motor freewheel hub, rear coaster brake, dual front caliper and drum brake, parking brake lever, lights, stabilizers with telescopic suspension, Gel seat.

Therapy Bicycle 26” E-Bike, low entry frame base model

**Colors:** See color chart page 32
The extensive color palette for HAVERICH special cycles ranges from today's trendy colors to colors of conservative elegance. A successful color selection for each taste and each age group is possible. Beyond the standard lacquer finishes, presented here, Custom colors are available, with a surcharge. If interested, please contact us for additional information.

For technical reasons, paint colors shown, approximate actual colors.
These exclusive HAVERICH accessories are specifically designed for the individual model and ensure, with correct application, the highest functionality.

One of the most significant advantages of the HAVERICH cycles is their modular construction. Each cycle can be easily modified with additional accessories, selected from a wide range of specialized equipment.

The table on pages 40 - 43 gives an overview of the combination options available for the basic model. Choices of drive train and adaptive accessories are available.

Modular construction offers the possibility to add additional adaptive accessories, as technical improvements are developed, without the need to purchase a new cycle.

The decision to purchase a HAVERICH specialized cycle is economically sound whether it to be used as a therapeutic tool or for every day mobility.

Useful accessories increase the motivation and security of challenged cyclists in both therapy and road cycling.

- **Safety Helmet**
  - Blue: 215 Small (48-52)
  - Red: 216 Small (48-52)

- **Gel Seat**
  - Flexible material, conforms to anatomical contours 074

- **Banana Seat**
  - 077

- **Relax saddle**
  - Anatomically shaped crossbar saddle. For patients with problems in the Perineum. 095

- **Relax saddle**
  - 095

- **Safety Helmet**
  - Blue: 225 Large (52-56)
  - Red: 226 Large (52-56)
174 **Gel Seat** (small)
Anatomical shaped child seat

085 **Women’s seat**
without pommel, gel foam for comfortable seating

034 **Mofa-Seat** (Denfeld)
Comfortable seat with rocker spring

035 **Moped-Seat**
For persons with broad hips

084 **Coil Spring Seat Post**
Reduces impact to spinal column (adds 4" to post height)

048 **T-Seat Post**
Adjust horizontal position relative to handlebar

086 **Vario-Backrest**
Small backrest with belt, adjusts in all directions

065 **Leg Harness**

019 **Standard Backrest with leather strap**
020 **Standard Backrest with padded strap**
Keeps torso upright.

017 **Wraparound Backrest with padded strap**
Stabilizes torso of individuals with spasticity or scoliosis

039 **Shoulder Harness**
requires 017 backrest

021 **Hip Pads**
Vertically and horizontally adjustable, requires 017 backrest

060 **Home Training Pedal**
With balancing weight

011 **Pedal with Toe clip**
Prevents foot from slipping from pedal

005 **Treadle Crank** Left
006 **Treadle Crank** Right
Adjustable stroke crank

025 **Crank Shorteners**
Reduces pedal-seat distance, offsets uneven leg

013 **Footrest with Leather Straps**
For securing foot to pedal
113 **Footrest with Velcro Strap**
To secure foot to pedal.

010 **Footrest with Leg Guide and Leather Strap**
Positions and retains foot and lower leg. Well padded calf support. Height of Leg Guide adjustable.

110 **Footrest with Leg Guide Velcro Strap**
Positions and retains foot and lower leg. Well padded calf support. Height of Leg Guide adjustable.

014 **Fixed Footrest** Left
015 **Fixed Footrest** Right
For individuals with rigid leg or fixed knee joint

120 **PFS**
Complex system for complete reciprocal motion therapy

040 **Cane Holder** (1 Cane)
042 **Cane Holder** (2 Canes)

007 **Turn Signal Indicator**
(with charger)

098 **Steering Damper**
This accessory improves the handling of all cycles

099 **Steering Angle limiter**
**ACCESSORIES**

038 **Guide Rod**
- Positions and retains lower arm

056 **Auxiliary Handlebar**
- Provides equal distance from body to handlebar regardless of steering angle.

050 **Vertical Bar Ends**
- Ideal accessory for individuals with grip problems

093 **Multiposition handlebar**
- The end and the middle section are adjustable separately which allows excellent adjustments for the individual sitting position. Thus also asymmetric adjustments are possible.

089 **Vario handlebar**
- These handlebars allow a multitude of adjustments. Asymmetric adjustments are also possible.

238 **Guide Rod with Brake**
- Allows caregiver to control brake

002 **Arm Supports**
- Positions and retains lower arm

090 **Bullhorn handlebar**
- The straightforward construction of these handlebars leads to a stretched position of the arms and makes a horizontal or vertical handle position possible.

091 **Trekking handlebar**
- The straightforward construction of these handlebars leads to a stretched position of the arms without an angulation of the wrists.
079 **Support Glove**
Secures hand to handlebar

192 **Mountain Bike Tire**

036 **Rear View Mirror**

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043 **Cycle Computer**
With 5 Functions

030 **Halogen Headlight**
Increases brightness and improves visibility

032 **Headlight with Battery Backup**
Light stays on during stops

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024 **Basket**
Small basket attaches to luggage rack

061 **Large Basket**
Attached to frame, low set, measures 21” x 8” x 14”

083 **Covered Luggage Carrier**
Large, hard carrier with reflector. Offer more security
Now you should have a better understanding of the equipment available to select an optimally equipped cycle to meet your needs.

This catalog presents our complete product line so that you may make the correct cycle selection to meet your needs. Cycle selection, based on cycle size, drive combinations and adaptive equipment can be made by referencing the tables on the following four pages. If you have specific questions, please call a local dealer or our customer support line for assistance. Demonstrations may be arranged at our facility or at local distributors, by appointment.

Many insurance plans offer reimbursement for our cycles when proper documentation of medical necessity is provided. Our cycles have been submitted to the FDA and are listed as class 1 medical devices. Should you require a detailed quotation, please submit a written request or call our toll-free number for assistance.

You physician may provide a “letter of medical necessity” and it is best supported by a letter from your physical therapist. Often tandem cycles and sports cycles are not eligible for reimbursement but their purchase may be assisted by charitable organizations. Please contact us for more information. The table on page 5 will be a great help in determining the proper frame size and drive selection. The following tables will provide an overview of the possible combination of accessories. The form on page 5 will provide use with sufficient information about the prospective user so that we may provide a detailed offer.
### Drive options

<table>
<thead>
<tr>
<th>12/12 AU</th>
<th>16/16 AU</th>
<th>16/16 VA</th>
<th>20/16 AU</th>
<th>20/16 TE</th>
<th>24/20 AU</th>
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001 Rapid drive train  
002 Change-over for rigid/freewheel-gear  
004 Freewheel hub with coaster brake  
006 3 speed freewheel with coaster brake  
007 3 speed freewheel backwards drive possibility  
008 5 speed freewheel with coaster brake  
009 5 speed freewheel backwards drive possibility  
010 7 speed freewheel with coaster brake  
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080 21 speed, rear wheel hydraulic disc brake  
079 Front, Grip shift for all freewheels  
053 Differential gear  
055 30 teeth rear hub  
058 8 Bike option for Tricycles

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025 Basket  
026 Basket  
027 Basket  
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032 Lights with Backup Battery  
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914 Manual Drive, Rigid  
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