



Grasshopper fx foldeble recumbent 20/20" (GHF) Grasshopper fx foldeble recumbent 20/20" (GHF) Grasshopper fx foremeet oldeble, with superviour, est. Acretic sterring, data gold vision Grasshopper fx foremeet oldeble, with superviour, est. Acretic sterring data gold vision Grasshopper fx foremeet oldeble, with superviour, est. Acretic sterring, data gold vision Grasshopper fx foremeet oldeble, with superviour, est. Acretic sterring, data gold vision Grasshopper fx foremeet oldeble, with superviour, est. Acretic sterring, data gold vision Grasshopper fx foremeet oldeble, several charge — driveralis and brake options for complete bikes only Grasshopper fx foremeet oldeble, several fx foremeet oldeble, est. In the supervision of th		×	Item	sugg. retail €				
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Grasshopper fx options extra charge — drivetrain and brake options for complete bikes only Special Control Plang pero Substander Special Control Plang pero Special Control Plang Per	П	_	11	3 000 00				
Grasshopper fx options extra charge — drivetrain and brake options for complete bikes only complete the complete of the com		_	disc brakes	3.990,00				
Standard Colour O Mige green O Situs shade grey			Grasshopper fx frameset foldable, with suspension, seat, Aerobar steering, chain guide setup	3.290,00				
Single custom colour according to RAL-colour chart	Gr	as	shopper fx options extra charge – drivetrain and brake options for complete bikes only	,				
Bedylink sestem colour according to RAL-colour chart man frame			standard colour O Magic green O Blue shade grey	0,00				
ge ☐ Pront boom with derailleur tube regardless of shifting option (not wiPNION)			single custom colour according to RAL-colour chart: (please specify)	199,00				
□ Impact ficting services distance center of bottom brackets to end of main frame. Isola at the marking on the skale cn			double custom colour according to RAL-colour chart main frame:, front boom / swing arm:	289,00				
□ Impact ficting services distance center of bottom brackets to end of main frame. Isola at the marking on the skale cn	me		front boom with derailleur tube regardless of shifting option (not w/PINION)	0,00				
Front boom quiclasijust without chain compensation QR-levers 49,70	fra		front boom carbon saves 170 g / 0,37 lbs of weight, not with PINION	219,00				
Tont boom quickadjust compensates extra chain length when front boom is adjusted, QR-levers 219,00			length fitting service: distance center of bottom bracket to end of main frame, look at the marking on the skale cm	0,00				
ErgoMesh meshseat with OrthoFlex technology, prepared for optional add on bags 0,00			front boom quickadjust without chain compensation QR-levers	49,90				
ErgoMesh XL meisteack (S cm / 2" wider, backrest and seats 3 cm / 1.2" longer than ErgoMesh Premium) DispoMesh Premium OrthoRex exchangles, seat and seataback independently adjustable, prepared for add-on bags 329,000 300,000 3			front boom quickadjust compensates extra chain length when front boom is adjusted, QR-levers	219,00				
ErgoMesh Premium OrthoRies technology, seat and seatback independently adjustable, prepared for add-on bags 332,00			ErgoMesh meshseat with OrthoFlex technology, prepared for optional add-on bags	0,00				
BodyLink seat which brackets for small riders (4 cm / 1,6" to the front)			ErgoMesh XL meshseat (5 cm / 2" wider, backrest and seat 3 cm / 1.2" longer than ErgoMesh Premium)	0,00				
BodyLink seat with brackets for small riders (4 cm / 1.6" to the front)			ErgoMesh Premium OrthoFlex technology, seat and seatback independently adjustable, prepared for add-on bags	329,00				
Airflow seat cushion breathable fabric, sewn, for BodyLink seat So,900			BodyLink seat	179,00				
Dearlest for BodyLink seat flexible, with cushion, adjustable in height and angle 115,00			BodyLink seat with brackets for small riders (4 cm / 1,6" to the front)	179,00				
Deadrest for mesh seats adjustable in height and angle, with quick release lever 16,90			Airflow seat cushion breathable fabric, sewn, for BodyLink seat	69,90				
Deadrest for mesh seats adjustable in height and angle, with quick release lever 16,90	seat		headrest for BodyLink seat flexible, with cushion, adjustable in height and angle	115,00				
Two adjustable end stops for ErgoMesh Premium seats only 33,80 19,90 24 24 24 25 25 26 26 26 26 26 26	.		headrest for mesh seats adjustable in height and angle, with quick release lever	159,00				
Pain cover for seats, Ripstop nylon fabric, blue 19,900 Add-on bags for mesh seat pair mounted on backrest, each I.4 litres, I water-repellent bag, I ventilated bag 62,90 39,900 Microbag topbag for BodyLink seat, detachable as hip bag, I litre 39,900			adjustable end stops allow exact positioning of the seat	16,90				
Add-on bags for mesh seat pair mounted on backrest, each 1.4 litres, I water-repellent bag, I ventilated bag Add-on bags for godyLink seat, detachable as hip bag, I litre Gardin Microbag topbag for BodyLink seat, detachable as hip bag, I litre Gardin Ga			two adjustable end stops for ErgoMesh Premium seats only	33,80				
Microbag topbag for BodyLink seat, detachable as hip bag, I litre 33,900 39,90			rain cover for seats, Ripstop nylon fabric, blue	19,90				
rear shock DNM DV-22 (basic specification) Osoft: 450 lbs/inch, up to 80 kg O standard: 650 lbs/inch, up to 100 kg O hard: 850 lbs/inch, up to 130 kg rear shock ROCKSHOX Monarch RL lightweight air shock, adjustable damping, lock-out, incl. damper pump 299,00 Susspension fork SPINNER Grind 2 (basic specification) hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 29,90 above seat steering (ASS) with Aerobar direct (basic specification) above seat steering with tiller steering (ASS) direct, tiller bar, TERRACYCLE folding stem under seat steering (USS) indirect, adjustable, not compatible with ErgoMesh XL seat or E-drive drivetrain STURMEY ARCHER 1 tripleshift 24 24 speed with twist shifters (basic specification), SRAM X4 rear derailleur/fwist shifters, STURMEY ARCHER 3 speed internal gear hub. SHIMANO Cassette 11-34, crankset with 46 teeth drivetrain STURMEY ARCHER 1 tripleshift 20 30 speed, rear derailleur MICROSHIFT XEL MICROSHIFT XTURMEY ARCHER barend shifters (USS), XT twist shifters (ASS), STURMEY ARCHER 3 speed internal gear hub. SHIMANO XT assette 11-36 teeth, crankset with 46 teeth chainring, double sided chainwheel disc drivetrain SHIMANO XT30 30 speed, SHIMANO XT 10 speed rear derailleur / Cassette, triple crankset, MICROSHIFT front derailleur, MICROSHIFT barend shifters for underseat steering, twist shifter or USS, Stremaer not compatible drivetrain SHIMANO XT30 30 speed, SHIMANO XT10 speed rear derailleur / Cassette, triple crankset, MICROSHIFT drivetrain PINION C1.12 12 speed front gear box, long twist shifter for USS, Stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 speed, black, long twist shifter for USS, stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 speed, black, long twist shifter for USS, stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 speed, black, long twist shifter for USS, stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 speed, black, long twist shifter for USS, stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 spee			Add-on bags for mesh seat pair mounted on backrest, each 1.4 litres, 1 water-repellent bag, 1 ventilated bag	62,90				
O soft: 450 lbs/inch, up to 80 kg O standard: 650 lbs/inch, up to 100 kg O hard: 850 lbs/inch, up to 130 kg rear shock RCCKSHOX Monarch RL lightveight air shock, adjustable damping, lock-out, incl. damper pump 299,00 suspension fork SPINNER Grind 2 (basic specification) hard spring for suspension fork SPINNER Grind 2 (basic specification) hard spring for suspension fork SPINNER Grind 2 (basic specification) above seat steering (ASS) with Aerobar direct (basic specification) diversion in the steering (ASS) with Aerobar direct (basic specification) diversion in STURMEY ARCHER Tripleshift 24 24 speed with troist shifters (basic specification) diviertain STURMEY ARCHER Tripleshift 24 24 speed with twist shifters (basic specification) ARCHER barend shifters (USS), in STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT ALE, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT XLE, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, MICROSHIFT / STURMEY ARCHER Tripleshift 30 30 speed, speed rear derailleur / tripleshift 30 30 speed, speed rear derailleur / cassette, triple crankset, microshift and deraille			Microbag topbag for BodyLink seat, detachable as hip bag, 1 litre	39,90				
O soft: 450 Ibsfinch, up to 180 kg O standard: 650 Ibsfinch, up to 100 kg O hard: 850 Ibsfinch, up to 130 kg rear shock ROCKSHOX Monarch RL lightweight air shock, adjustable damping, lock-out, incl. damper pump 299,00 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,90 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed 229,00 hard spring for spri	ľ		rear shock DNM DV-22 (basic specification)	0.00				
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hard spring for suspension fork for loads over 100 kg / 220 lbs, pre-installed	pen		rear shock ROCKSHOX Monarch RL lightweight air shock, adjustable damping, lock-out, incl. damper pump	299,00				
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drivetrain STURMEY ARCHER Tripleshift 30 30 speed, rear derailleur MICROSHIFT XLE, MICROSHIFT / STURMEY ARCHER barend shifters (USS), XT twist shifters (ASS), STURMEY ARCHER 3 speed internal gear hub, SHIMANO XT cassette 11-36 teeth, crankset with 46 teeth chainring, double sided chainwheel disc drivetrain SHIMANO XT30 30 speed, SHIMANO XT 10 speed rear derailleur / cassette, triple crankset, MICROSHIFT front derailleur, MICROSHIFT barend shifters for underseat steering, twist shifter SHIMANO XT for above seat steering drivetrain PINION C1.12 12 speed front gear box, long twist shifter for USS, Stremaer not compatible drivetrain ROHLOFF Speedhub/14 14 speed, black, long twist shifter E-drive NEODRIVES Z20 and drivetrain SHIMANO XT30 only for ASS, up to 25 km/h (16 mph), hub motor, 30 speed, rear derailleur / triggershifter / cassette SHIMANO XT, triple chainring set, front derailleur MICROSHIFT, Li-lonen battery 576 Wh, push assist E-drive NEODRIVES Z20 with PINION C1.12 only with ASS, up to 25 km/h (16 mph), 12 speed PINION C1.12 front gear box, touch display, Li-lonen battery 576 Wh, 4 A charger, push assist, 4 A charger, not compatible with streamer short cranks 155 mm / 6,1", recommended for riders under 175 cm / 5,7" tire exchange from SCHWALBE Tryker 40 mm / 1,6" to O Marathon Plus 47 mm / 1,8" O Kojak 35mm / 1,4" (SRAM/30 or PINION) disc brakes SHIMANO BR-MT200 hydraulic (basic specification) disc brakes AVID BB7 mechanical		_						
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Gr	Grasshopper fx accessories extra charge							
		light wire routing only twin wires routed through the frame for hub dynamo	99,90					
		lighting system rechargeable/EYRO up to 30 Lux, rechargeable headlight and sensor rearlight	109,00					
		lighting system SP SD-8 disc dynohub/IQ-X with front and rear parking lights, LED headlight B&M IQ-X, daytime running lights, up to 100 Lux, rear light B&M Toplight Flat S plus with brake light	399,00					
		lighting system SON disc dynohub/IQ-X parking light front and rear, SCHMIDTS ORIGINAL NABENDYNAMO, LED headlight B&M IQ-X, daytime running light, up to 100 lux, rear light B&M Toplight Flat S plus with brake light	649,00					
		B&M IQ-XS friendly lighting system for E-drive LED-headlight B&M IQ-XS friendly, powered by E-bike battery, up to 80 Lux, rear light B&M Toplight 2C DC	219,00					
		IQ-X lighting system for E-drive B&M IQ-X up to 150 Lux, rear light B&M Toplight 2C DC	299,00					
		rear rack 12 mm / 0,47" tube, black powder coating, max. load 25 kg / 55 lbs	189,00					
accessories		lowrider rack 10 mm / 0,39" tube, black powder coating, max. load 25 kg / 55 lbs	139,00					
sso		mudguards SKS 20" with spoiler, rear 53mm / 2,1", black, stainless steel stays, mounted	115,00					
ecce		kickstand PLETSCHER Esge Comp Zoom mounted on the rear swingarm, black	44,90					
<i>a</i> [clipless pedals SHIMANO PD-T8000 lightweight, multi-purpose pedal for normal and SPD shoes	99,90					
		water bottle set HP VELOTECHNIK 2×0.6 l PE-bottle with HP print, with bottle cages, mounted	68,90					
		rear mirror MIRRYCLE with barend mounting, also computer mount O left O right	57,90					
		rear mirror MIRRYCLE both sides barend mounting left and right	115,80					
		flag HP VELOTECHNIK double-sided print, with reflective strip	24,90					
		universal mount for accessories Mounting in handlebar end (twist shifters) or on barend shifter, \emptyset 22.2 mm / 0,87" tube holder for accessories like phone holder / GPS devices / bell, max. load 400 grams / 0,88lbs, unmounted	44,90					
		transport cover with carrying strap, for Grasshopper fx	99,90					
		air horn AIRZOUND XL about 30-115 dB	39,90					
		Streamer clear front fairing, with quickmount system, incl. assembly (not w/PINION)	619,00					

Suggested retail prices in EURO including German VAT (19 %) plus shipping. Please contact your authorized HP VELOTECHNIK dealer for details and ordering.