



## BIO CARRIERS – MADE IN GERMANY

We have more than fifty years experience in plastics processing and produce our HEL-X carriers under strict adherence high quality and environmental standards.

### Our advantages:

- cost-effective
- high mechanical load capacity
- durable
- sustainable
- ecological
- large surface area



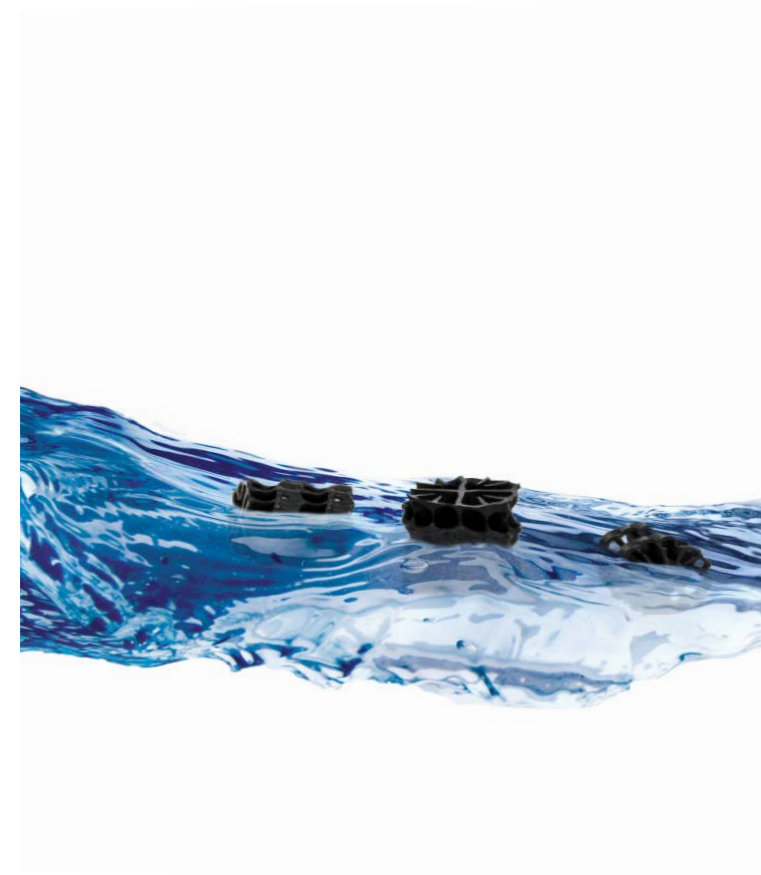
## COMPREHENSIVE AREAS OF APPLICATION WORLDWIDE:

**Biological waste water treatment (biofilm process)**  
MBBR – Moving Bed Biofilm Reactor technology, fluidized bed reactor technology, fluidized bed reactor technology, fixed-film reactor technology, IFAS Process

**Aquaculture**  
Recirculating Aquaculture Systems (RAS)

**Koi and ornamental fish breeding**  
Biofilters, drum filters or filter pumps

**Other applications**  
Biogas, gas scrubbing, exhaust air cleaning, emission control, gas cooling



## HIGH PERFORMANCE BIO CARRIERS

for biological waste water  
treatment and gas treatment

Quality made in Germany



# OUR ARTICLES — BIO CARRIERS, BIO CHIPS, RODS AND CLUSTERS

## BIO CARRIERS

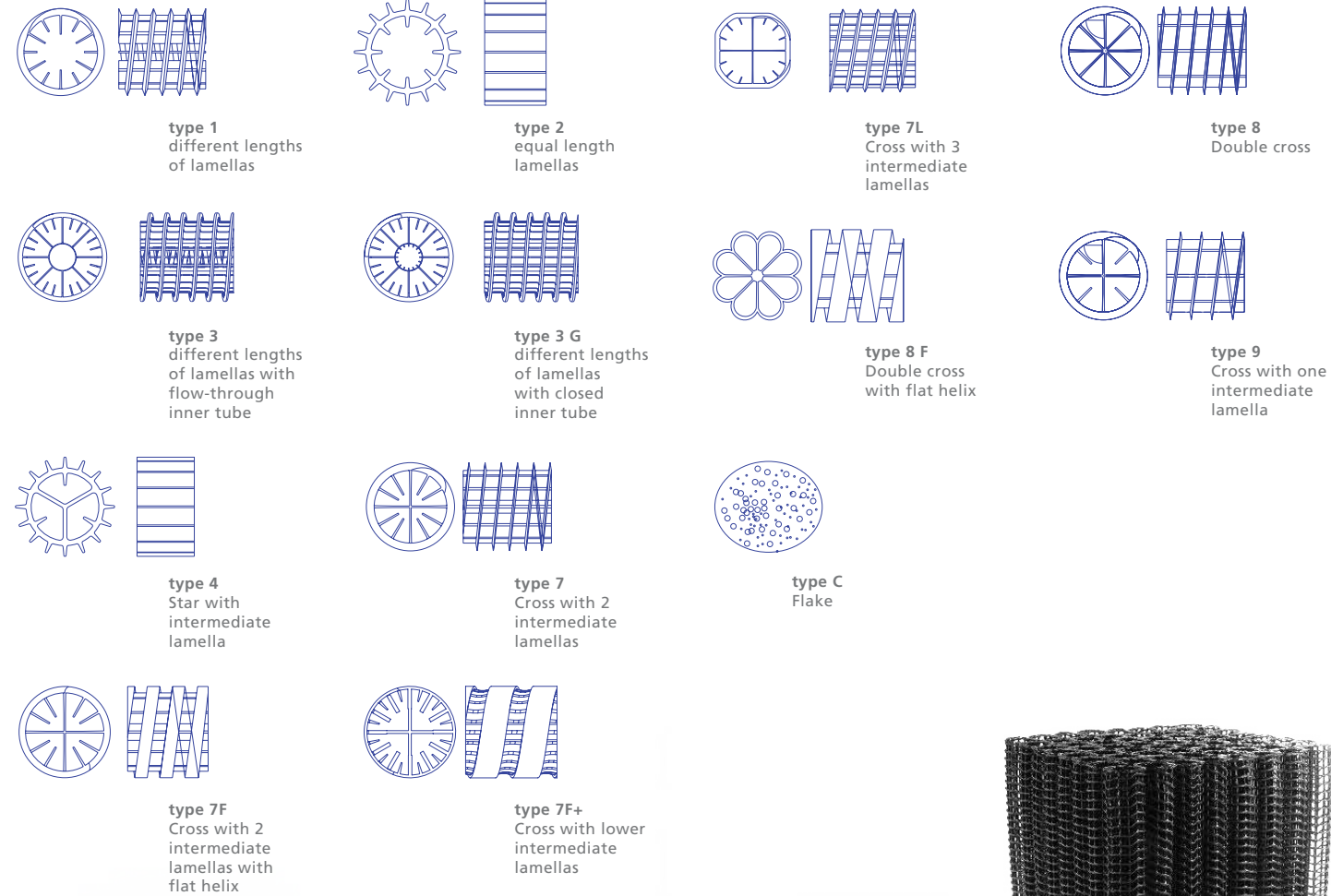
art. no.	in mm length	in mm type	m <sup>2</sup> /m <sup>3</sup> surface	m <sup>2</sup> /m <sup>3</sup> surface prot.	
HX09	9	7	2	861	461
HX09KL	9	7	4	836	495
HXF12KLL	12	12	7F	859	704
HXF13KLL+	13	12	7F+	955	806
HXF14KLL	14	14	7F	767	644
HX17KL	17	15	9	437	264
HX17KLL	17	17	7	602	393
HXF17KLL	17	17	7F	595	496
HX18KK	18	18	8	475	304
HXF18KK	18	18	8F	492	387
HX25	25	25	1	312	226
HX25KLL	25	25	7	360	273
HXF25KLL	25	25	7F	420	342
HXT25 Tube	25	28	2	403	201
H2X36	35	36	3	239	188
H2X36 glatt	36	36	3G	322	268
HX38	38	38	1	188	141
HX38K	38	38	7L	195	149
HX50	50	50	1	148	125
HX65	65	65	1	102	85
HX65K	65	65	7	96	78
HX75	75	75	1	78	66
HX75K	75	75	7	84	69

## HEL-X BIO CHIPS / BIO CHIPS

art. no.	in mm	height	type	active surface
HEL-X Flake	18-22	1,0+/-0,4	C	~3.500

Hel-X Flake patent application filed with the German Patent and Trade-mark Office (DE102018103116.5)

## HEL-X / TYPE INDEX



## HEL-X RODS

art. no.	in mm	length	type	m <sup>2</sup> /m <sup>3</sup> surface
HX17KL	17	200	9	766
HX17KLL	17	200	7	822
HX25	25	200	1	376
HX38	38	300	1	258
HX25KLL	25	200	7	508
H2X36glatt	36	500	3G	481
HX38K	38	300	7L	281
H2X36	35	500	3	396
HX50	50	600	1	177
HX65	65	600	1	131
HX65K	65	600	7	122
HX75	75	600	1	107

## HEL-X CLUSTERS

HX38	38	500	1	262
HX38 K	38	500	7L	285
HX50	50	600	1	180
HX65	65	600	1	135
HX65 K	65	600	7	125
HX75	75	600	1	110
HX75 K	75	600	7	101

Made of recycled HDPE granulate (black) or made of virgin HDPE granulate (white). Other colours on request.

Find out more: [www.hel-x.eu](http://www.hel-x.eu)

