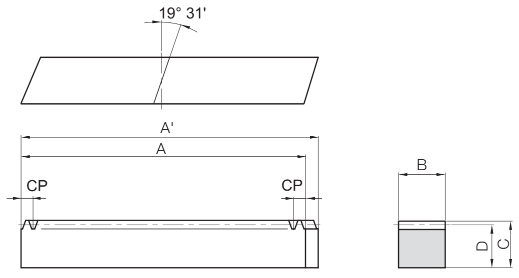
EU Specification Laser Hardened Helical Racks *NEW*

Spur Gears | Helical Gears | Internal Gears | Racks | CP Racks & Pinions | Miter Gears | Bevel Gears | Screw Gears | Worm Gears | Gearboxes | Other Products

Specifications	
Precision grade	KHK R 001 grade 4
Reference section of gear	Normal plane
Gear teeth	Standard full depth
Normal pressure angle	20°
Helix angle/ direction	19° 31' 41" right helix
Material	S45C
Heat treatment	Gear teeth laser hardened *
Tooth hardness	55 to 65HRC
Surface treatment	Black oxide coating

* Due to the gear teeth being laser hardened, no secondary operations can be performed on tooth areas including the bottom land (approx. 1 mm).



RFR

Catalog Number	Module (front pitch mm)	No. of teeth	Shape	Total Length A	Total Length A'	Face width B	Height C	Height to pitch line D
SRHEF3-1000RHL	*m3* (CP10)	100	RFR	1000	1010.29	29	29	26
SRHEF4-1000RHL	*m4* (CP13.333)	75	RFR	1000	1013.83	39	39	35
SRHEF5-1000RHL	*m5* (CP16.667)	60	RFR	1000	1017.38	49	39	34
SRHEF6-1000RHL	*m6* (CP20)	50	RFR	1000	1020.93	59	49	43

[Caution on Product Characteristics] ① For the helical gear series combinations, see the Mating Gear Selection Chart on Page 192.
② These gears produce axial thrust forces. Please see Page 195 for more details.
③ For the assembly joining gauge, use ZST-GL on Page 268.

Allowable force (N) Bending strength	Allowable force (N) Surface durability	Allowable force (kgf) Bending strength	Allowable force (kgf) Surface durability	Backlash (mm)	Weight (kg)	Catalog Number
7200	3540	735	361	0.15~0.39	5.91	SRHEF3-1000RHL
13400	5800	1370	591	0.19~0.47	10.7	SRHEF4-1000RHL
20100	8750	2050	892	0.21~0.52	13.1	SRHEF5-1000RHL
29800	15200	3040	1550	0.23~0.57	19.9	SRHEF6-1000RHL

Recommended Mating Pinions

SHE-H Hardened Helical Gears

Please see Page 264 for more details.