TOLERANCES

HAKAklett MPP

HakaGerodur

Article	Dimension	Aluminium	Ø Outer	Tolerance	Ø Inner	Tolerance	Wall thickness	Tolerance	Ovality bars *)	Ovality coils *)
	Nominal dimension	Nominal thickness	Pipe Test		Pipe Test		Pipe Test		Pipe Test	Pipe Test
HAKAklett *(PE-RT / PE-Xc)*	8.0 x 1.00	---	8.00	+0.30 / -0	5.80	+0.30 / -0	1.00	+0.20 / -0	max. 0.60	max. 1.60
	10.0 x 1.30	---	10.00	+0.30 / -0	7.20	+0.30 / -0	1.30	+0.20 / -0	max. 0.60	max. 1.60
	12.0 x 1.40	---	12.00	+0.30 / -0	8.90	+0.30 / -0	1.40	+0.20 / -0	max. 0.60	max. 1.60
	12.0 x 2.00	---	12.00	+0.30 / -0	7.70	+0.30 / -0	2.00	+0.30 / -0	max. 0.60	max. 1.60
	14.0 x 2.00	---	14.00	+0.30 / -0	9.70	+0.30 / -0	2.00	+0.30 / -0	max. 1.00	max. 1.80
	15.0 x 1.50	---	15.00	+0.30 / -0	11.80	+0.30 / -0	1.50	+0.20 / -0	max. 1.00	max. 1.80
	16.0 x 1.50	---	16.00	+0.30 / -0	12.80	+0.30 / -0	1.50	+0.20 / -0	max. 1.00	max. 1.80
	16.0 x 2.00	---	16.00	+0.30 / -0	11.70	+0.30 / -0	2.00	+0.30 / -0	max. 1.00	max. 1.80
	16.0 x 2.20	---	16.00	+0.30 / -0	11.30	+0.30 / -0	2.20	+0.30 / -0	max. 1.00	max. 1.80
	17.0 x 2.00	---	17.00	+0.30 / -0	12.70	+0.30 / -0	2.00	+0.30 / -0	max. 1.00	max. 1.80
	18.0 x 2.00	---	18.00	+0.30 / -0	13.70	+0.30 / -0	2.00	+0.30 / -0	max. 1.00	max. 1.80
	18.0 x 2.50	---	18.00	+0.30 / -0	12.70	+0.30 / -0	2.50	+0.30 / -0	max. 1.00	max. 1.80
	20.0 x 2.00	---	20.00	+0.30 / -0	15.70	+0.30 / -0	2.00	+0.30 / -0	max. 1.20	max. 2.00
	20.0 x 2.80	---	20.00	+0.30 / -0	14.10	+0.30 / -0	2.80	+0.30 / -0	max. 1.20	max. 2.00
	25.0 x 2.30	---	25.00	+0.30 / -0	20.10	+0.30 / -0	2.30	+0.30 / -0	max. 1.20	max. 2.00
	25.0 x 2.50	---	25.00	+0.30 / -0	19.70	+0.30 / -0	2.50	+0.30 / -0	max. 1.20	max. 2.00
	26.0 x 3.00	---	26.00	+0.30 / -0	19.70	+0.30 / -0	3.00	+0.30 / -0	max. 1.20	max. 2.00
	32.0 x 3.00	---	32.00	+0.30 / -0	25.70	+0.30 / -0	3.00	+0.30 / -0	max. 1.30	max. 2.00
	32.0 x 4.40	---	32.00	+0.30 / -0	22.90	+0.30 / -0	4.40	+0.30 / -0	max. 1.30	max. 2.00

*) Reference values

All dimensions and tolerances measured according to HakaGerodur / Gerodur guideline