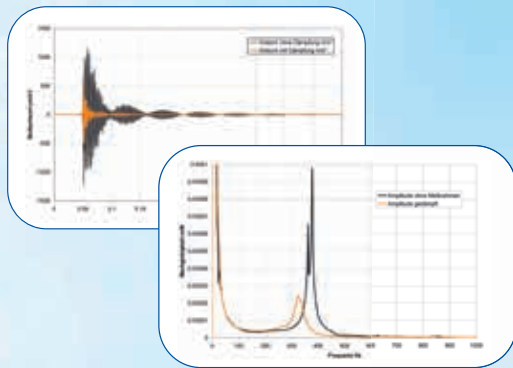


ThermoGrip® Vidat

vibration damping technology



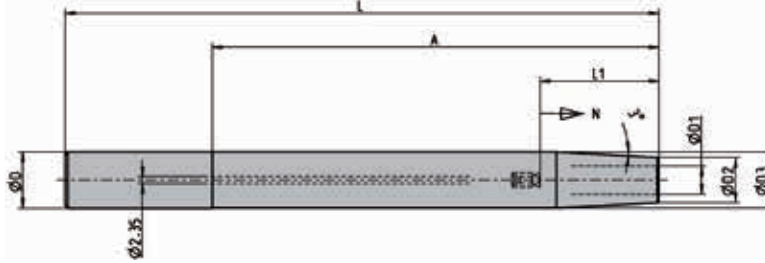
ThermoGrip® VIDAT

stands for **V**ibrations **D**amping **T**echnology from **BILZ**. Vibrations caused during the first extension deflection are effectively absorbed by means of integrated dampers.

VIDAT extensions achieve damping rates of at least 4dB in comparison to normal extensions. The very rigid nature of the shrinking process means that long, slim extensions in particular have a tendency to chatter and vibrate. **VIDAT extensions** reduce this effect, thus considerably increasing the area of application.

By using Bilz VIDAT extensions you can

- reduce the vibrations in the clamping system
- improve the surface quality of the workpiece
- increase tool life

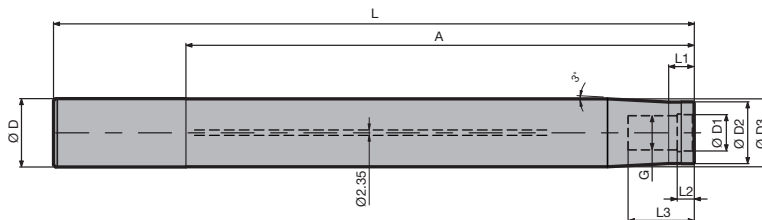


VIDAT EXTENSIONS WITH SHRINK GEOMETRY



D1	A	D	L	L1	D2	D3	N	max. rpm in combination with		Designation	Ident No.
								HSK63-HSK100/ ISO40-ISO50	HSK50/ ISO30		
6	158	20	210	36	12	19,8	5	10000 1/min	7000 1/min	LNE-T0600-210-K1-Z2000	5109763
8	158	20	210	36	14	19,8	5	10000 1/min	7000 1/min	LNE-T0800-210-K1-Z2000	5110224
10	158	20	210	42	16	19,8	5	10000 1/min	7000 1/min	LNE-T1000-210-K1-Z2000	5110226
12	158	20	210	47	18	19,8	5	10000 1/min	7000 1/min	LNE-T1200-210-K1-Z2000	5110227
10	242	25	300	42	16	24,8	5	8000 1/min	–	LNE-T1000-300-K1-Z2500	5110287
12	242	25	300	47	18	24,8	5	8000 1/min	–	LNE-T1200-300-K1-Z2500	5109988
14	242	25	300	47	20	24,8	5	8000 1/min	–	LNE-T1400-300-K1-Z2500	5109994
16	242	25	300	50	22	24,8	5	8000 1/min	–	LNE-T1600-300-K1-Z2500	5110303
12	238	32	300	47	18	31,8	5	8000 1/min	–	LNE-T1200-300-K1-Z3200	5110428
14	238	32	300	47	20	31,8	5	8000 1/min	–	LNE-T1400-300-K1-Z3200	5110429
16	238	32	300	50	22	31,8	5	8000 1/min	–	LNE-T1600-300-K1-Z3200	5110430
18	238	32	300	50	25	31,8	5	8000 1/min	–	LNE-T1800-300-K1-Z3200	5110433
20	238	32	300	52	27	31,8	5	8000 1/min	–	LNE-T2000-300-K1-Z3200	5110436

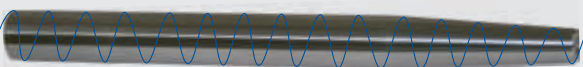
Internal coolant supply up to max. 50 bar



G [mm]	A	D	L	L1	L2	L3	D1	D2	D3	max. rpm in combination with		Designation	Ident No.
										HSK63-HSK100/ ISO40-ISO50	HSK50/ ISO30		
M12x1,75	192	25	250	12	8,5	25	12,5	21	24,8	8000 1/min	–	LNE-MH12-250-K1-Z2500	5110692
M12x1,75	242	25	300	12	8,5	25	12,5	21	24,8	8000 1/min	–	LNE-MH12-300-K1-Z2500	5110690
M16x2	188	32	250	12	9	31	17	29	31,8	8000 1/min	–	LNE-MH16-250-K1-Z3200	5110698
M16x2	238	32	300	12	9	31	17	29	31,8	8000 1/min	–	LNE-MH16-300-K1-Z3200	5110696

FUNCTIONAL PRINCIPLE

without vibration damping



with vibration damping VIDAT



The **damping element** of the extension lies close to the tool interface, as the biggest distortions occur here.