



INNOFIT

I-ABSORBER PROLONGATION
VIBRATION DAMPED

**VIBRATION DAMPED
PROLONGATION I-ABSORBER**

- Modular •
- Stable •
- Damped •

I-ABSORBER



I ABSORBER VIBRATION DAMPED PROLONGATION

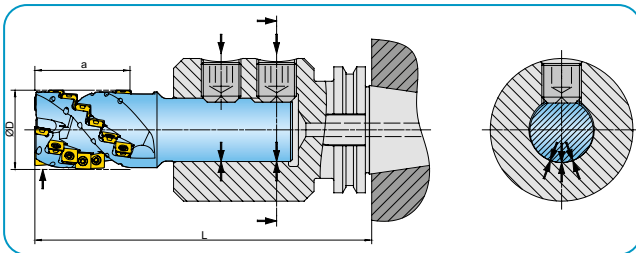
Product Description

Our proven **InnoFit** modular adaption system is expanded by a **I-Absorber** vibration damped prolongation for shell type milling cutter in the length of 200 mm (150 mm).

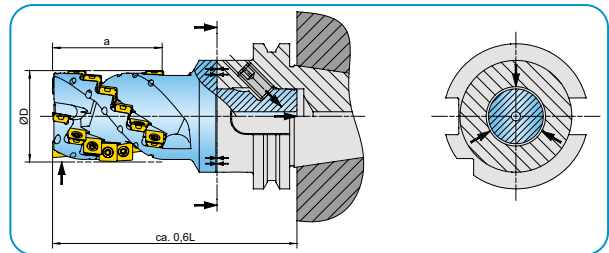
This new **I-Absorber** prolongation can be combined with all standardized spindle adaptors and solid prolongations.

The vibration damped prolongations are available with centering- $\varnothing 27$, $\varnothing 32$ and $\varnothing 40$ mm in the modular Z5-size, i.e. outer \varnothing 78mm. The smaller Z4-size with outer- \varnothing of 61mm and 49 mm is available with centering- $\varnothing 22$ and $\varnothing 27$.

Weldon versus InnoFit



Weldon -> vibrations



InnoFit -> 40% shorter

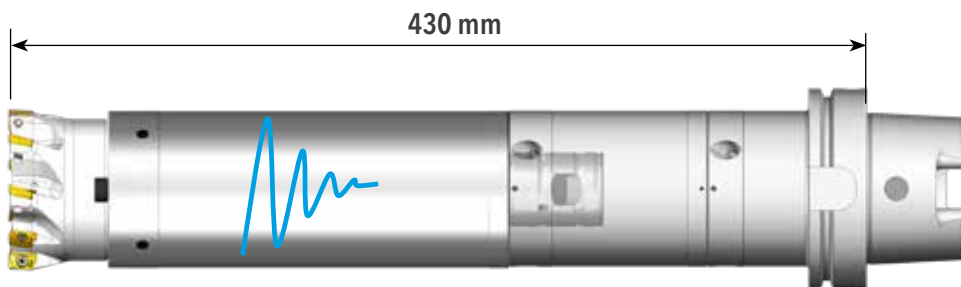
- High axial clamping force
- Compact tool assembly
- Large face contact

Application Range

The new standardized **I-Absorber** damped prolongations are mainly designed to be applied at extremely long extensions when radial loads (milling) need to be handled.

Especially from $> 4xD$ often an operation is possible only by usage of vibration damped tool combinations.

The below picture shows a modular tool sample in an overall length of 430 mm with an milling cutter in $\varnothing 80$ mm.



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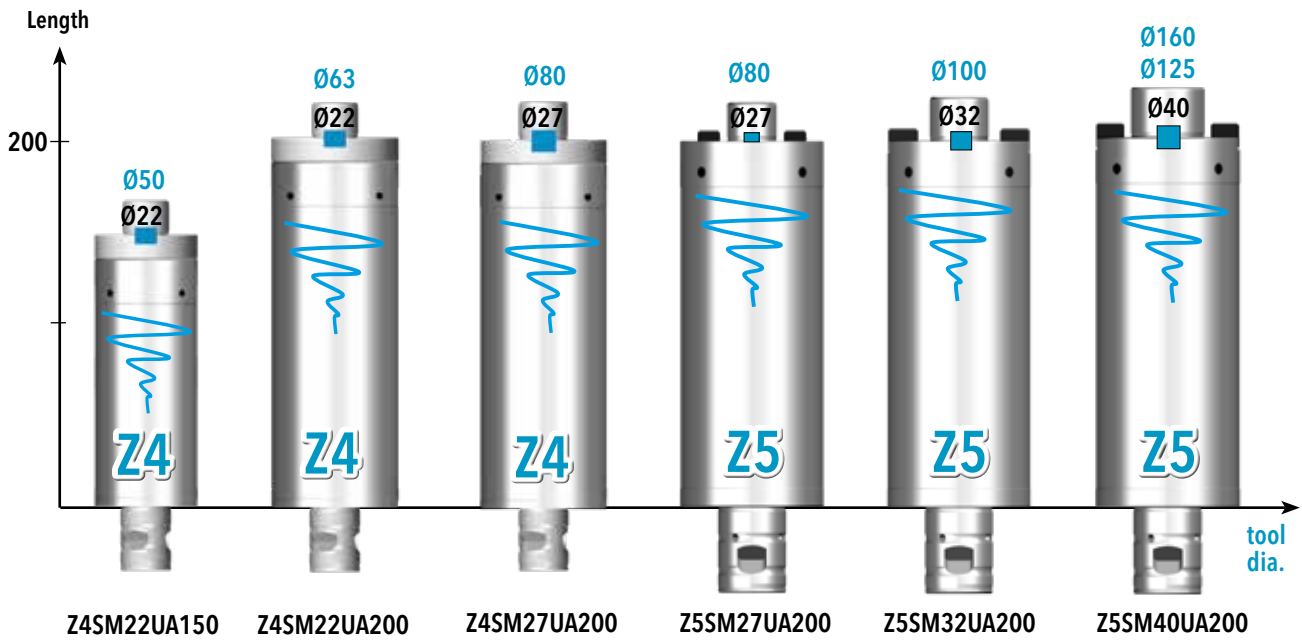
Z5SM27UA200

Z5Z5SA100

HSKA100Z5SA080

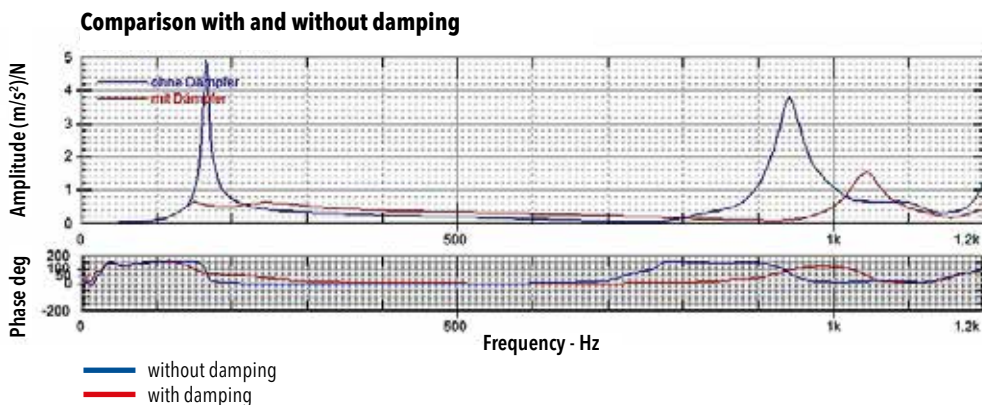
Technical Features

The standardized 200 mm (150 mm) **I-Absorber** prolongations are designed and tuned for the typical standard milling tool weights according to each centering diameter and cannot be misaligned.



Advantages

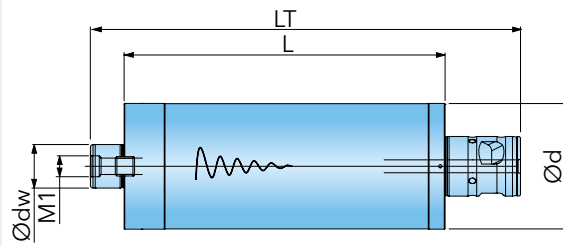
- Better tool life due to damping.
- Increased productivity because:
 - a) larger DOC can be machined due to the damping effect and
 - b) often higher feed rates could be achieved with usage of a damped combination.
- At long tool combination a better surface quality can be obtained.
- Can not be misaligned!
- Modular applicable with **InnoFit** standard MOD40 and MOD50
- Significant improvement in damping versus standard prolongation (see graph)



ABSORBER VIBRATION DAMPED PROLONGATION Z4SM/Z5SM



Modular



Modular

Designation	d	dw	LT	L	M1	MOD		
Z4SM22UA150	49	22	204	150	M10	MOD 40	✓	2,9
Z4SM22UA200	61	22	247	200	M10	MOD 40	✓	5,4
Z4SM27UA200	61	27	247	200	M12	MOD 40	✓	5,5
Z5SM27UA200	78	27	247	200	M12	MOD 50	✓	9,1
Z5SM32UA200	78	32	247	200	M16	MOD 50	✓	9,2
Z5SM40UA200	78	40	247	200	M20	MOD 50	✓	9,3

SPARE PARTS



Z05

Z06

① = Cutter tightening screw ② = Wrench for cutter tightening screw

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