

SOLID CARBIDE ADAPTERS



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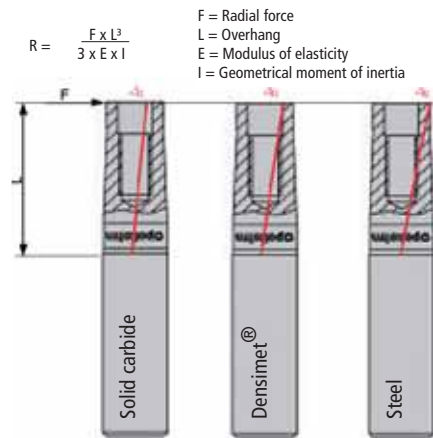
SOLID CARBIDE ADAPTERS

Our new Solid Carbide Adapters with internal thread and internal coolant supply for Threaded Shank End Mill Bodies are available from now on. All-purpose applicable for all available Pokolm-Shrinking Arbors, shrinkable with the Induction Shrinking Unit **TSI 3510**.

These Solid Carbide Adapters result in an outstanding symbiosis between slim steel-extensions with internal coolant supply and the well-known damped anti-vibration adapters made from Densimet® of our range *601. Everything is compatible with every End Mill Body with threaded shank connections of the Pokolm-range. The external geometry is identical to our adapters of the Densimet®-range *601.

All stored geometric data of this type of tooling for programming and collision detection of our CD-ROM catalogue can be transferred direct to your CAD/CAM system. The drawings show a comparison of deflection of those different materials with equal force and overhang.

These Solid Carbide Adapters have an approx. 50% lower deflection compared with Densimet®. Compared with steel, deflection is lower by factor 3.



Modulus of elasticity

Solid carbide = 620.000 N/mm²
 Densimet® = 332.000 N/mm²
 Steel® = 210.000 N/mm²

ΔR Steel	3,233
ΔR Densimet®	1,940
ΔR Solid Carbide	1

Solid Carbide Adapters	Advantages	Recommended applications
	⊕ long and slim arbor combinations ⊕ low vibration through solid carbide ⊕ with thread connection, no shrink operation necessary	⊕ machining deep cavities with vertical cylindrical walls ⊕ for tight, deep moulds and dies ⊕ machining situations, where vibrations occur usually ⊕ for tool diameters up to 42 mm diam.

Zero-reach-arbors		
	⊕ by direct shrinking of a Solid Carbide Adapter or a Dense Antivibration Adapter into the main arbor, vertical and cylindrical machining up to the arbor's collar is possible. This results in distinct stability by shortening the distance between tool and spindle nose.	⊕ machining of extremely deep cavities with vertical walls and little space offered as well as limited z-travel-possibilities with high expectations for rigidity and vibration-free machining



Adapters systems

Catalogue-No.

d_1 l_3 d_3 d_4 d_2 l_2 l_1

Features

Solid carbide adapters for threaded shank end mill bodies / M 8

	40 08 606	M 8	40	14,2	15,3	16	88	9	✓	✓	✓	
	60 08 606	M 8	60	14,2	15,3	16	108	9	✓	✓	✓	
	80 08 606	M 8	80	14,2	15,3	16	128	9	✓	✓	✓	
	100 08 606	M 8	100	14,2	15,3	16	148	9	✓	✓	✓	
	120 08 606	M 8	120	14,2	15,3	16	168	9	✓	✓	✓	

Solid carbide adapters for threaded shank end mill bodies / M 10

	60 10 606	M 10	60	18,5	19,3	20	110	9	✓	✓	✓	
	80 10 606	M 10	80	18,5	19,3	20	130	9	✓	✓	✓	
	100 10 606	M 10	100	18,5	19,3	20	150	9	✓	✓	✓	
	120 10 606	M 10	120	18,5	19,3	20	170	9	✓	✓	✓	
	140 10 606	M 10	140	18,5	19,3	20	190	9	✓	✓	✓	

Solid carbide adapters for threaded shank end mill bodies / M 12

	80 12 606	M 12	80	23	24,3	25	136	9	✓	✓	✓	
	100 12 606	M 12	100	23	24,3	25	156	9	✓	✓	✓	
	120 12 606	M 12	120	23	24,3	25	176	9	✓	✓	✓	
	140 12 606	M 12	140	23	24,3	25	196	9	✓	✓	✓	
	160 12 606	M 12	160	23	24,3	25	216	9	✓	✓	✓	

Solid carbide adapters for threaded shank end mill bodies / M 16

	100 16 606	M 16	100	31,5	34,3	36	160	9	✓	✓	✓	
	150 16 606	M 16	150	31,5	34,3	36	210	9	✓	✓	✓	
	200 16 606	M 16	200	31,5	34,3	36	260	9	✓	✓	✓	
	250 16 606	M 16	250	31,5	34,3	36	310	9	✓	✓	✓	
	300 16 606	M 16	300	31,5	34,3	36	360	9	✓	✓	✓	

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PV-F-VHMES-D 0409

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