Antivibratory adaptors
Schwingungsgedämpfte Aufsteckfräsdorne

SPECIAL FOR MOULD AND DIE MAKERS

Vibration reduced up to 60% compared to any other conventional shell mill adaptor, as they are manufactured with materials and mechanisms having antivibration properties.

BESONDERS EMPFOHLEN FÜR WERKZEUG- UND FORMENBAU

60% weniger Schwingungen im Vergleich mit anderen konventionellen Aufsteckfräsdornen, da diese Ausführung mit schwingungsdämpfenden Materialien und Mechanismen hergestellt wird.

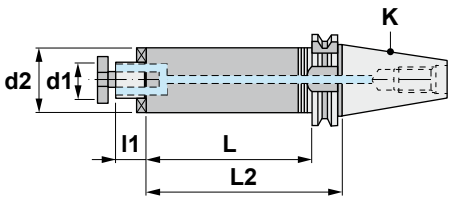
COMPARISON WHEN USING AN ANTIVIBRATORY TOOLHOLDER

VERGLEICH ZWISCHEN EINER KONVENZIONELLEN UND EINER SCHWINGUNGSGEDÄMPFTEN AUFNAHME

I

Characteristics:
Cylindrical antivibratory shell mill adaptors. DIN 69871-A
For cutters with driving slot DIN 138.
With internal coolant.

Eigenschaften:
Zylindrische schwingungsgedämpfte Aufsteckfräsdorne.
DIN 69871-A
Für Fräser mit Quernut DIN 138.
Mit Innenkühlung.

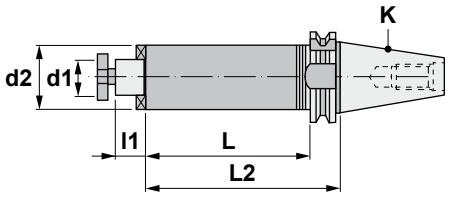


A11.160IK

Reference Bezeichnung	K ISO	d1 h6	L2	L	l1	d2				Kg
A11.160.40.16/200-38IK	40	16	200	181	17	38	10008	86016	11103	2,510
A11.160.40.16/300-38IK	40	16	300	281	17	38	10008	86016	11103	3,370
A11.160.40.22/200-48IK	40	22	200	181	19	48	10010	86022	11004	3,070
A11.160.40.22/300-48IK	40	22	300	281	19	48	10010	86022	11004	4,890
A11.160.40.27/200-58IK	40	27	200	181	21	58	10012	86027	11005	3,630
A11.160.50.16/200-38IK	50	16	200	181	17	38	10008	86016	11103	4,391
A11.160.50.16/300-38IK	50	16	300	281	17	38	10008	86016	11103	5,886
A11.160.50.22/200-48IK	50	22	200	181	19	48	10010	86022	11004	6,226
A11.160.50.22/300-48IK	50	22	300	281	19	48	10010	86022	11004	5,900
A11.160.50.27/200-58IK	50	27	200	181	21	58	10012	86027	11005	6,846
A11.160.50.27/300-58IK	50	27	300	281	21	58	10012	86027	11005	6,846
A11.160.50.32/300-78IK	50	32	300	281	24	78	10016	86032	11105	10,576

Characteristics:
Cylindrical antivibratory shell mill adaptors. DIN 69871-A
For cutters with driving slot DIN 138.

Eigenschaften:
Zylindrische schwingungsgedämpfte Aufsteckfräsdorne.
DIN 69871-A
Für Fräser mit Quernut DIN 138.

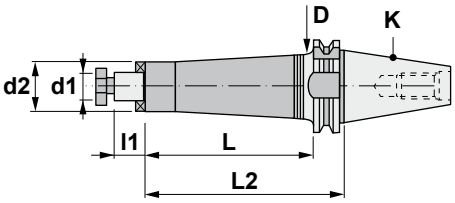


A11.160

Reference Bezeichnung	K ISO	d1 h6	L2	L	l1	d2				Kg
A11.160.40.16/150-38	40	16	150	131	17	38	10008	86016	11103	2,030
A11.160.40.16/200-38	40	16	200	181	17	38	10008	86016	11103	2,510
A11.160.40.16/250-38	40	16	250	231	17	38	10008	86016	11103	2,920
A11.160.40.16/300-38	40	16	300	281	17	38	10008	86016	11103	3,370
A11.160.40.22/150-48	40	22	150	131	19	48	10010	86022	11004	2,370
A11.160.40.22/200-48	40	22	200	181	19	48	10010	86022	11004	3,070
A11.160.40.22/250-48	40	22	250	231	19	48	10010	86022	11004	4,180
A11.160.40.22/300-48	40	22	300	281	19	48	10010	86022	11004	4,890
A11.160.40.27/150-58	40	27	150	131	21	58	10012	86027	11005	2,850
A11.160.40.27/200-58	40	27	200	181	21	58	10012	86027	11005	3,630
A11.160.40.27/250-58	40	27	250	231	21	58	10012	86027	11005	4,440
A11.160.40.27/300-58	40	27	300	281	21	58	10012	86027	11005	5,350
A11.160.50.16/150-38	50	16	150	131	17	38	10008	86016	11103	4,230
A11.160.50.16/200-38	50	16	200	181	17	38	10008	86016	11103	4,391
A11.160.50.16/250-38	50	16	250	231	17	38	10008	86016	11103	5,280
A11.160.50.16/300-38	50	16	300	281	17	38	10008	86016	11103	5,886
A11.160.50.16/400-38	50	16	400	381	17	38	10008	86016	11103	5,886
A11.160.50.22/200-48	50	22	200	181	19	48	10010	86022	11004	6,226
A11.160.50.22/250-48	50	22	250	231	19	48	10010	86022	11004	5,330
A11.160.50.22/300-48	50	22	300	281	19	48	10010	86022	11004	5,900
A11.160.50.22/400-48	50	22	400	381	19	48	10010	86022	11004	7,276
A11.160.50.22/500-48	50	22	500	481	19	48	10010	86022	11004	8,470
A11.160.50.22/200-60	50	22	200	181	19	60	10010	86022	11004	7,276
A11.160.50.22/250-60	50	22	250	231	19	60	10010	86022	11004	7,810
A11.160.50.22/300-60	50	22	300	281	19	60	10010	86022	11004	8,140
A11.160.50.22/400-60	50	22	400	381	19	60	10010	86022	11004	9,240
A11.160.50.22/500-60	50	22	500	481	19	60	10010	86022	11004	12,280
A11.160.50.27/200-58	50	27	200	181	21	58	10012	86027	11005	6,846
A11.160.50.27/250-58	50	27	250	231	21	58	10012	86027	11005	7,130
A11.160.50.27/300-58	50	27	300	281	21	58	10012	86027	11005	6,846
A11.160.50.27/400-58	50	27	400	381	21	58	10012	86027	11005	6,846
A11.160.50.27/500-58	50	27	500	481	21	58	10012	86027	11005	8,140
A11.160.50.32/200-78	50	32	200	181	24	78	10016	86032	11105	7,556
A11.160.50.32/250-78	50	32	250	231	24	78	10016	86032	11105	9,576
A11.160.50.32/300-78	50	32	300	281	24	78	10016	86032	11105	10,576
A11.160.50.32/400-78	50	32	400	381	24	78	10016	86032	11105	13,076
A11.160.50.32/500-78	50	32	500	481	24	78	10016	86032	11105	16,076

Characteristics:
Conical antivibratory shell mill adaptors.
DIN 69871-A
For cutters with driving slot DIN 138.

Eigenschaften:
Konische schwingungsgedämpfte Aufsteckfräsdorne.
DIN 69871-A
Für Fräser mit Quernut DIN 138.

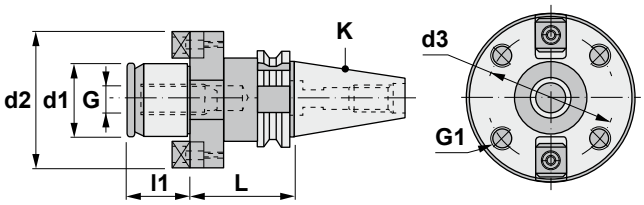


A11.160

Reference Bezeichnung	K ISO	d1 h6	L2	L	D	l1	d2				Kg
A11.160.40.16/150	40	16	150	131	50	17	38	10008	86016	11103	2,200
A11.160.40.16/200	40	16	200	181	50	17	38	10008	86016	11103	2,710
A11.160.40.16/250	40	16	250	231	50	17	38	10008	86016	11103	3,250
A11.160.40.16/300	40	16	300	281	50	17	38	10008	86016	11103	3,740
A11.160.40.22/150	40	22	150	131	50	19	48	10010	86022	11004	2,640
A11.160.40.22/200	40	22	200	181	50	19	48	10010	86022	11004	3,320
A11.160.40.22/250	40	22	250	231	50	19	48	10010	86022	11004	4,030
A11.160.40.22/300	40	22	300	281	50	19	48	10010	86022	11004	4,750
A11.160.50.16/150	50	16	150	131	80	17	38	10008	86016	11103	4,610
A11.160.50.16/200	50	16	200	181	80	17	38	10008	86016	11103	5,886
A11.160.50.16/250	50	16	250	231	80	17	38	10008	86016	11103	5,940
A11.160.50.16/300	50	16	300	281	80	17	38	10008	86016	11103	6,750
A11.160.50.16/400	50	16	400	381	80	17	38	10008	86016	11103	10,540
A11.160.50.22/200	50	22	200	181	80	19	48	10010	86022	11004	5,780
A11.160.50.22/250	50	22	250	231	80	19	48	10010	86022	11004	6,550
A11.160.50.22/300	50	22	300	281	80	19	48	10010	86022	11004	7,380
A11.160.50.22/400	50	22	400	381	80	19	48	10010	86022	11004	10,426
A11.160.50.22/500	50	22	500	481	80	19	48	10010	86022	11004	11,530
A11.160.50.27/200	50	27	200	181	80	21	58	10012	86027	11005	6,550
A11.160.50.27/250	50	27	250	231	80	21	58	10012	86027	11005	7,500
A11.160.50.27/300	50	27	300	281	80	21	58	10012	86027	11005	8,600
A11.160.50.27/400	50	27	400	381	80	21	58	10012	86027	11005	10,670
A11.160.50.27/500	50	27	500	481	80	21	58	10012	86027	11005	13,520

Characteristics:
Adaptors for indexable milling cutters. DIN 69871-A / DIN 6357 - Form A

Eigenschaften:
Zwischenhülsen für Fräser. DIN 69871-A / DIN 6357 - Form A



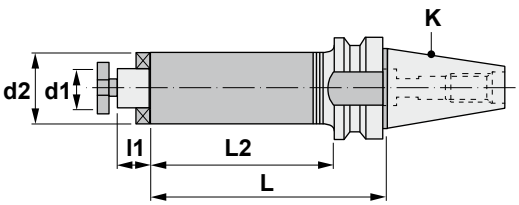
11.165

Reference Bezeichnung	K ISO	d1 g5	L	d2	d3	G	G1	l1	Kg
11.165.40.40	40	40	60	89	66,7	M-20	M-12	30	2,540
11.165.50.40	50	40	70	89	66,7	M-20	M-12	30	5,190
11.165.50.60	50	60	70	129	101,6	M-30	M-16	40	7,010

Reference Bezeichnung		
11.165.40.40	80040	11006
11.165.50.40	80040	11006
11.165.50.60	80060	11012

Characteristics:
Cylindrical antivibratory shell mill adaptors. JIS B 6339-BT
For cutters with driving slot DIN 138.

Eigenschaften:
Zylindrische schwingungsgedämpfte Aufsteckfräsdorne.
JIS B 6339-BT
Für Fräser mit Quernut DIN 138.

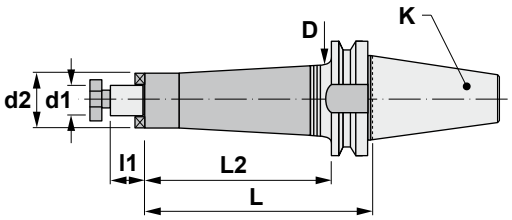


A20.160

Reference Bezeichnung	K ISO	d1 h6	L	L2	l1	d2				Kg
A20.160.40.16/150-38	40	16	150	123	17	38	10008	86016	11103	2,110
A20.160.40.16/200-38	40	16	200	173	17	38	10008	86016	11103	2,560
A20.160.40.16/250-38	40	16	250	223	17	38	10008	86016	11103	3,000
A20.160.40.16/300-38	40	16	300	273	17	38	10008	86016	11103	3,450
A20.160.40.22/150-48	40	22	150	123	19	48	10010	86022	11004	2,790
A20.160.40.22/200-48	40	22	200	173	19	48	10010	86022	11004	3,500
A20.160.40.22/250-48	40	22	250	223	19	48	10010	86022	11004	4,210
A20.160.40.22/300-48	40	22	300	273	19	48	10010	86022	11004	4,920
A20.160.40.27/150-58	40	27	150	123	21	58	10012	86027	11005	3,620
A20.160.40.27/200-58	40	27	200	173	21	58	10012	86027	11005	4,660
A20.160.40.27/250-58	40	27	250	223	21	58	10012	86027	11005	5,690
A20.160.40.27/300-58	40	27	300	273	21	58	10012	86027	11005	6,730
A20.160.50.16/150-38	50	16	150	112	17	38	10008	86016	11103	4,720
A20.160.50.16/200-38	50	16	200	162	17	38	10008	86016	11103	5,160
A20.160.50.16/250-38	50	16	250	212	17	38	10008	86016	11103	5,610
A20.160.50.16/300-38	50	16	300	262	17	38	10008	86016	11103	6,060
A20.160.50.16/400-38	50	16	400	362	17	38	10008	86016	11103	6,950
A20.160.50.22/200-48	50	22	200	162	19	48	10010	86022	11004	6,050
A20.160.50.22/250-48	50	22	250	212	19	48	10010	86022	11004	6,760
A20.160.50.22/300-48	50	22	300	262	19	48	10010	86022	11004	7,470
A20.160.50.22/400-48	50	22	400	362	19	48	10010	86022	11004	8,890
A20.160.50.22/500-48	50	22	500	462	19	48	10010	86022	11004	10,310
A20.160.50.22/200-58	50	22	200	162	19	58	10010	86022	11004	7,110
A20.160.50.22/250-58	50	22	250	212	19	58	10010	86022	11004	8,150
A20.160.50.22/300-58	50	22	300	262	19	58	10010	86022	11004	9,180
A20.160.50.22/400-58	50	22	400	362	19	58	10010	86022	11004	11,260
A20.160.50.22/500-58	50	22	500	462	19	58	10010	86022	11004	13,330
A20.160.50.27/200-58	50	27	200	162	21	58	10012	86027	11005	7,140
A20.160.50.27/250-58	50	27	250	212	21	58	10012	86027	11005	8,180
A20.160.50.27/300-58	50	27	300	262	21	58	10012	86027	11005	9,210
A20.160.50.27/400-58	50	27	400	362	21	58	10012	86027	11005	11,290
A20.160.50.27/500-58	50	27	500	462	21	58	10012	86027	11005	13,360
A20.160.50.32/200-78	50	32	200	162	24	78	10016	86032	11105	9,890
A20.160.50.32/250-78	50	32	250	212	24	78	10016	86032	11105	11,760
A20.160.50.32/300-78	50	32	300	262	24	78	10016	86032	11105	13,640
A20.160.50.32/400-78	50	32	400	362	24	78	10016	86032	11105	17,390
A20.160.50.32/500-78	50	32	500	462	24	78	10016	86032	11105	21,140

Characteristics:
Conical antivibratory shell mill adaptors. JIS B 6339-BT
For cutters with driving slot DIN 138.

Eigenschaften:
Konische schwingungsgedämpfte Aufsteckfräsdorne.
JIS B 6339-BT
Für Fräser mit Quernut DIN 138.



A20.160

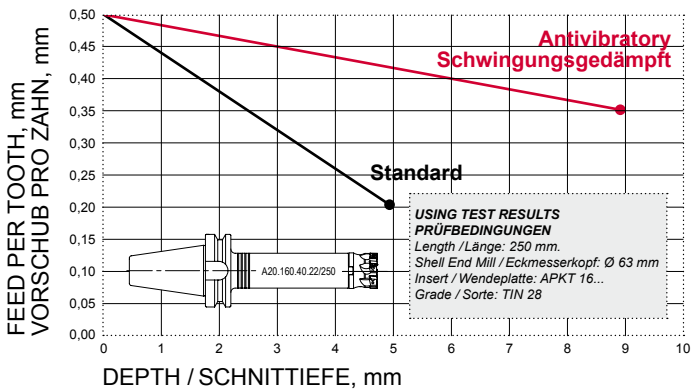
Reference Bezeichnung	K ISO	d1 h6	L	L2	D	l1	d2				Kg
A20.160.40.16/150	40	16	150	123	50	17	38	10008	86016	11103	2,550
A20.160.40.16/200	40	16	200	173	50	17	38	10008	86016	11103	3,150
A20.160.40.16/250	40	16	250	223	50	17	38	10008	86016	11103	3,750
A20.160.40.16/300	40	16	300	273	50	17	38	10008	86016	11103	4,350
A20.160.40.22/150	40	22	150	123	50	19	48	10010	86022	11004	2,750
A20.160.40.22/200	40	22	200	173	50	19	48	10010	86022	11004	3,430
A20.160.40.22/250	40	22	250	223	50	19	48	10010	86022	11004	4,110
A20.160.40.22/300	40	22	300	273	50	19	48	10010	86022	11004	4,790
A20.160.50.16/150	50	16	150	112	80	17	38	10008	86016	11103	6,510
A20.160.50.16/200	50	16	200	162	80	17	38	10008	86016	11103	7,630
A20.160.50.16/250	50	16	250	212	80	17	38	10008	86016	11103	8,750
A20.160.50.16/300	50	16	300	262	80	17	38	10008	86016	11103	9,860
A20.160.50.16/400	50	16	400	362	80	17	38	10008	86016	11103	12,100
A20.160.50.22/200	50	22	200	162	80	19	48	10010	86022	11004	8,100
A20.160.50.22/250	50	22	250	212	80	19	48	10010	86022	11004	9,400
A20.160.50.22/300	50	22	300	262	80	19	48	10010	86022	11004	10,680
A20.160.50.22/400	50	22	400	362	80	19	48	10010	86022	11004	13,260
A20.160.50.22/500	50	22	500	462	80	19	48	10010	86022	11004	15,840
A20.160.50.27/200	50	27	200	162	80	21	58	10012	86027	11005	8,790
A20.160.50.27/250	50	27	250	212	80	21	58	10012	86027	11005	10,310
A20.160.50.27/300	50	27	300	262	80	21	58	10012	86027	11005	11,830
A20.160.50.27/400	50	27	400	362	80	21	58	10012	86027	11005	14,870
A20.160.50.27/500	50	27	500	462	80	21	58	10012	86027	11005	17,920

SPECIAL FOR MOULD AND DIE MAKERS

Vibration reduced up to 60% compared to any other conventional shell mill adaptor, as they are manufactured with materials and mechanisms having antivibration properties.

BESONDERS EMPFOHLEN FÜR WERKZEUG- UND FORMENBAU

60% weniger Schwingungen im Vergleich mit anderen konventionellen Aufsteckfräsdornen, da diese Ausführung mit schwingungsdämpfenden Materialien und Mechanismen hergestellt wird.

COMPARISON WHEN USING AN ANTIVIBRATORY TOOLHOLDER

VERGLEICH ZWISCHEN EINER KONVENZIONELLEN UND EINER SCHWINGUNGSGEDÄMPFTEN AUFNAHME