

Example of order: MAV 3008 100 x 170

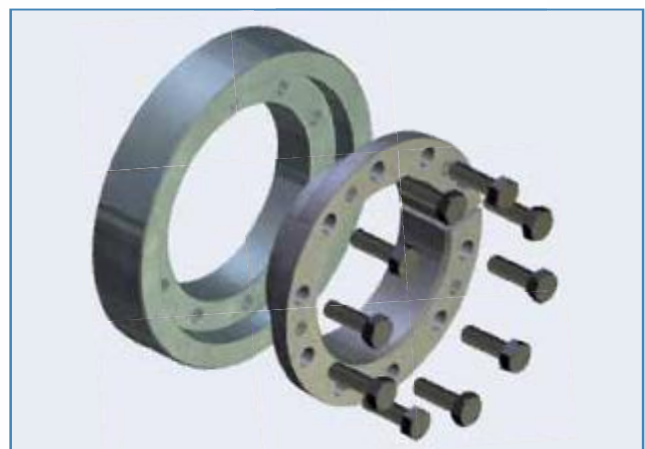
## Composition

- Slotted inner ring, with integrated push-off threads
- Outer ring
- Set of hexagonal head cap screws, grade 10.9 (size < M6 of grade 8.8) for series MAV 3008 - MAV 3108 - MAV 3208; grade 12.9 for series MAV 3009 - MAV 3209
- Hardened washers DIN 6916 for units with screw size  $\geq$  M16

## Features

- External locking device for hollow shaft (hub) - shaft connection
- Two-part design
- Self-releasing tapers, greased with MoS<sub>2</sub> ( $\mu = 0.05$ ). Series MAV 3008 – MAV 3009 feature oiled tapers (self-locking) up to size 68x115
- Screws greased with MoS<sub>2</sub> ( $\mu = 0.10$ )
- MAV 3008 – MAV 3009: standard series, medium capacity
- MAV 3108: light series, low capacity
- MAV 3208 – MAV 3209: heavy series, high capacity
- Tolerances of shaft and hub bore: see table
- Tolerance of hub outer diameter: h8
- Surface finish of shaft and hub Ra < 3.2  $\mu$ m
- Shaft – hub bore contact surface grease-free and dry ( $\mu = 0.15$ )

Shaft Diameter ds		ISO Tolerances	Max Clearance
from	to		mm
6	10	H6 - j6	0,011
11	18		0,014
19	30		0,017
31	50	H6 - h6	0,032
51	80	H6 - g6	0,048
81	120	H7 - g6	0,069
121	180		0,079
181	250		0,09
251	315		0,101
316	400		0,111
401	500		0,123



DIMENSIONS					SCREWS		FEATURES				WEIGHT kg	
ds mm	d mm	x	D mm	L mm	L1 mm	size	Ma Nm	Mt Nm	Fax kN	Ps MPa		Ph MPa
110								15.900	291	148	190	7
120	140	x	215	53,5	46	M 12	100	21.000	350	163	190	
125								23.400	376	168	190	
130								24.400	377	162	193	9
135	155	x	245	53,5	46	M 12	100	27.500	408	169	193	
140								30.700	439	175	193	
135								29.500	437	160	194	12
140	165	x	263	61,8	53	M 14	160	32.900	471	166	194	
145								36.600	505	172	194	
145								37.400	516	176	205	13
150	175	x	275	61,8	53	M 14	160	41.200	550	181	205	
155								45.300	585	186	205	
155								55.400	715	192	218	17
160	185	x	290	70,8	62	M 14	160	60.500	756	197	218	
165								65.800	798	201	218	
165								71.300	864	218	242	22
170	195	x	320	70,8	62	M 14	160	77.100	908	222	242	
175								83.300	952	226	242	
180								90.500	1.006	216	241	25
190	220	x	340	80	70	M 16	250	103.000	1.085	220	241	
200								117.000	1.179	227	241	
200								102.000	1.023	197	221	29
210	240	x	370	80	70	M 16	250	116.000	1.108	204	221	
215								123.000	1.151	207	221	
220								136.000	1.242	218	238	35
230	260	x	405	80	70	M 16	250	153.000	1.330	223	238	
235								161.000	1.375	226	238	
230								151.000	1.318	187	209	46
240	280	x	430	92,5	80	M 20	490	169.000	1.410	192	209	
250								187.000	1.504	196	209	
250								205.000	1.647	215	234	53
260	300	x	460	92,5	80	M 20	490	225.000	1.733	218	234	
270								247.000	1.835	222	234	
270								261.000	1.938	198	216	68
280	320	x	485	104,5	92	M 20	490	286.000	2.049	202	216	
290								313.000	2.162	205	216	
290								307.000	2.123	202	218	80
300	340	x	520	104,5	92	M 20	490	335.000	2.234	205	218	
310								363.000	2.345	209	218	
310								401.000	2.592	199	214	116
320	360	x	570	117,5	105	M 20	490	432.000	2.703	201	214	
330								467.000	2.831	205	214	
330								413.000	2.508	181	197	116
340	390	x	590	117,5	105	M 20	490	446.000	2.625	184	197	
350								479.000	2.742	187	197	
350								621.000	3.550	179	195	177
360	420	x	630	155	140	M 24	840	666.000	3.702	182	195	
370								713.000	3.856	184	195	
370								750.000	4.055	176	191	213
380	440	x	660	167	152	M 24	840	801.000	4.219	178	191	
390								854.000	4.383	181	191	
390								800.000	4.105	169	183	233
400	460	x	690	167	152	M 24	840	852.000	4.261	171	183	
410								901.000	4.396	172	183	
410								1.037.000	5.061	172	186	292
420	480	x	720	189	174	M 24	840	1.101.000	5.246	174	186	
430								1.167.000	5.432	176	186	
420								1.138.000	5.423	180	194	310
430	500	x	745	189	174	M 24	840	1.206.000	5.611	182	194	
450								1.348.000	5.992	186	194	

**Code:**

Ma: screws tightening torque

Mt: transmissible torque with Fax=0 kN

Fax: transmissible axial load with Mt=0 Nm

Ps: contact pressure on shaft

Ph: contact pressure on hub outer diameter