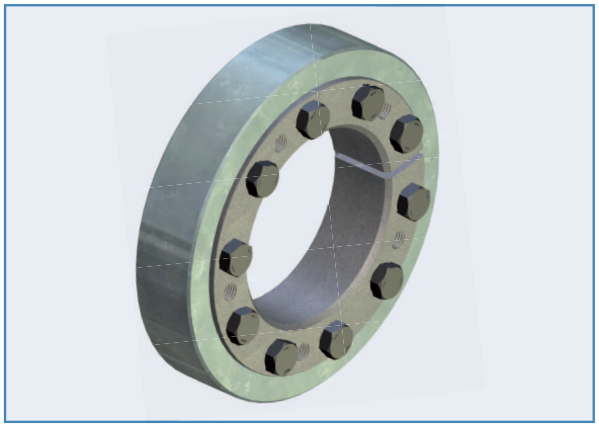
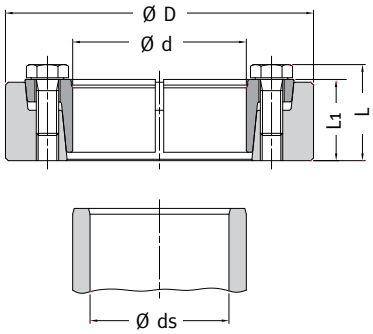




Example of order: MAV 3008 100 x 170

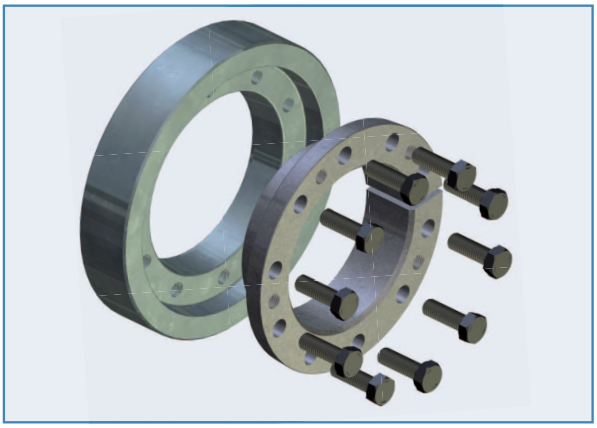
Composition

- 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 ≥ M16

Features

- External locking device for hollow shaft (hub) - shaft connection
- Two-part design
- Self-releasing tapers, greased with MoS2 (μ = 0.05). Series MAV 3008 – MAV 3009 feature oiled tapers (self-locking) up to size 68x115
- Screws greased with MoS2 (μ = 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 μm
- Shaft – hub bore contact surface grease-free and dry (μ = 0.15)

Shaft Diameter ds		ISO Tollerances	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



MAV 3208

Heavy Series

DIMENSIONS						SCREWS		FEATURES				WEIGHT
ds mm	d mm	x	D mm	L mm	L1 mm	size	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	kg
95								20600	434	162	231	
100	140	x	230	84	74	M 16	240	24100	484	171	231	14
105								28000	535	180	231	
105								29800	569	174	237	
110	155	x	263	90	80	M 16	240	34200	623	182	237	20
115								38900	677	189	237	
115								42700	743	190	245	
120	165	x	290	98	88	M 16	240	48100	803	197	245	29
125								52500	842	198	245	
125								57200	916	216	270	
130	175	x	300	98	88	M 16	240	63700	981	222	270	29
135								70600	1047	229	270	
135								90700	1344	286	333	
140	185	x	320	124,5	112	M 20	490	99500	1422	291	333	44
145								109000	1500	297	333	
150								105000	1402	268	308	
155	200	x	340	124,5	112	M 20	490	114000	1474	273	308	49
160								124000	1547	277	308	
160								134000	1676	244	285	
165	220	x	370	146,5	134	M 20	490	145000	1757	248	285	69
170								156000	1838	252	285	
170								165000	1945	231	271	
180	240	x	405	156,5	144	M 20	490	191000	2120	238	271	89
190								215000	2268	241	271	
190								242000	2549	239	277	
200	260	x	430	172,5	160	M 20	490	275000	2755	246	277	109
210								311000	2962	252	277	
210								324000	3083	247	279	
220	280	x	460	187	172	M 24	840	363000	3299	253	279	134
230								404000	3517	258	279	
230								365000	3177	229	257	
240	300	x	485	191	176	M 24	840	406000	3380	234	257	149
250								448000	3586	238	257	
240								435000	3622	235	263	
250	320	x	520	199	184	M 24	840	480000	3838	240	263	179
260								523000	4020	241	263	
250								564000	4515	246	274	
260	340	x	570	223	206	M 27	1250	613000	4716	247	274	256
270								672000	4975	251	274	
280								711000	5082	244	268	
290	360	x	590	227	210	M 27	1250	774000	5337	247	268	265
300								839000	5594	250	268	
300								923000	6152	262	285	
310	390	x	650	237	220	M 27	1250	996000	6428	265	285	343
320								1067000	6669	266	285	
330								1094000	6631	223	245	
340	420	x	680	263	246	M 27	1250	1175000	6915	226	245	407
350								1260000	7200	229	245	
340								1242000	7306	225	247	
350	440	x	740	276,7	258	M 30	1700	1331000	7605	227	247	531
360								1423000	7906	230	247	
360								1338000	7436	216	236	
370	460	x	760	276,7	258	M 30	1700	1429000	7722	218	236	549
380								1522000	8011	220	236	
380								1696000	8928	208	226	
390	480	x	800	316,7	298	M 30	1700	1804000	9254	210	226	711
400								1916000	9581	212	226	
400								1963000	9813	217	234	
410	500	x	840	318,7	300	M 30	1700	2066000	10079	217	234	791
420								2188000	10419	219	234	

Code:

Ma: screws tightening torque

Mt: transmissible torque with Fax=O kN

Fax: transmissible axial load with Mt=O Nm

Ps: contact pressure on shaft

Ph: contact pressure on hub outer diameter