

Esempio d'ordine: MAV 2008 68 x 115

## Composizione

- Anello interno tagliato
- Anello esterno anteriore
- Anello esterno posteriore
- Set di viti a testa esagonale, classe 10.9  
(diam. minori di M6 classe 8.8)

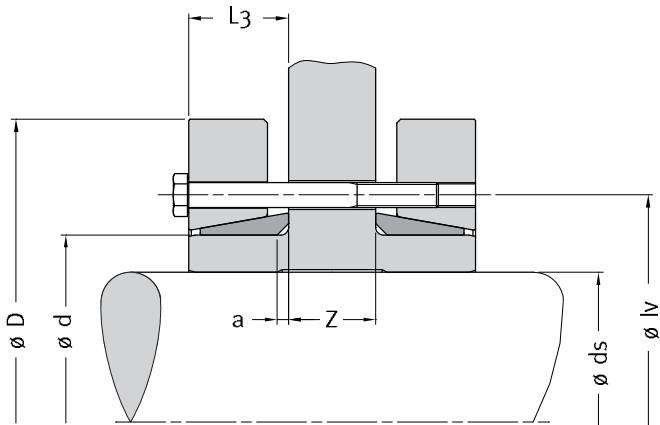
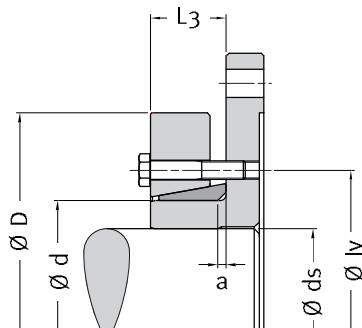
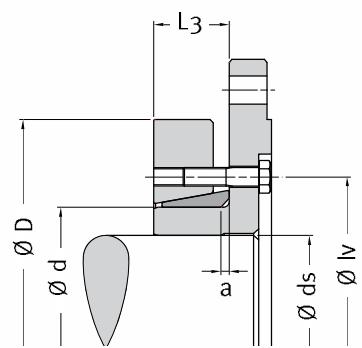
Diametro albero ds		Tolleranze ISO	Gioco max
da	a		mm
6	10	H6 - j6	0,011
11	18		0,014
19	30		0,017
31	50		0,032
51	80	H6 - h6	0,048
81	120	H7 - g6	0,069
121	180		0,079
181	250		0,09
251	315		0,101
316	400		0,111
401	500		0,123

## Caratteristiche

- Dispositivo esterno di bloccaggio albero – albero cavo (mozzo)
- Disegno a 3 anelli
- Conicità autosbloccanti, lubrificate con grasso a base MoS<sub>2</sub> ( $\mu = 0.05$ )
- Viti lubrificate con grasso a base MoS<sub>2</sub> ( $\mu = 0.10$ )
- Anelli esterni zincati
- O-Ring di protezione tra gli anelli esterni dal diam. 140 e oltre
- MAV 2008: serie standard, prestazioni medie
- MAV 2108: serie leggera, prestazioni basse
- MAV 2208: serie pesante, prestazioni alte
- Anche in versione SPLIT e HALF HC e HT (per versioni HALF, carichi trasmissibili ridotti del 50%)
- Tolleranze: vedi tabella
- Rugosità albero e mozzo Ra < 3.2  $\mu\text{m}$
- Contatto albero – foro mozzo a secco ( $\mu = 0.15$ )



DIMENSIONI									VITI			CARATTERISTICHE				PESO kg	
ds mm	d mm	x	D mm	L mm	L1 mm	L2 mm	L3 mm	lv mm	a x 45° mm	n.	misura	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	
10										3	M 5	4	36	7	154	335	
11	14	x	38	18,5	15,0	6,0	8,7	25	1,2				54	10	191	335	
12													82	14	243	335	
13	16	x	41	20,5	17,0	7,0	9,7	27	1,2	3	M 5	4	38	6	93	244	
14													65	10	136	244	
15	18	x	44	20,5	17,0	7,0	9,7	29	1,2	4	M 5	4	97	14	175	244	0,10
16													96	14	172	289	
17	20	x	46	20,5	17,0	7,0	9,7	32	1,2	5	M 5	4	130	17	205	325	
18													170	21	232	325	0,15
19	24	x	50	21,5	18,0	7,8	11,5	36	2,1	6	M 5	4	210	25	258	325	
20													220	24	189	279	
21	30	x	60	23,5	20,0	8,5	12,5	44	2,1	7	M 5	4	280	28	209	279	0,19
22													330	32	228	279	
23	36	x	72	26,0	22,0	9,5	13,5	52	2,1	5	M 6	12	350	29	159	228	
24													400	32	172	228	0,29
25	44	x	80	28,0	24,0	10,5	14,5	61	2,1	7	M 6	12	470	36	184	228	
26													770	55	232	297	
27	50	x	90	31,0	27,0	11,5	16,0	70	2,1	8	M 6	12	960	64	250	297	0,47
28													980	63	240	297	
29	55	x	100	33,0	29,0	12,5	17,0	75	2,9	8	M 6	12	1.200	72	225	306	
30													1.400	77	235	306	0,59
31	62	x	110	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	1.500	83	244	306	
32													1.500	80	204	280	
33	50	x	120	33,0	29,0	12,5	17,0	86	2,9	8	M 6	12	1.800	91	219	280	0,81
34													2.100	101	232	280	
35	55	x	130	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	1.700	80	176	243	
36													2.100	94	193	243	1,1
37	68	x	140	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	2.600	110	210	243	
38													2.700	110	213	270	
39	62	x	150	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	3.000	120	222	270	1,3
40													3.200	120	218	270	
41	68	x	160	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	2.500	100	184	246	
42													3.100	110	188	246	1,3
43	68	x	170	33,0	29,0	12,5	17,0	86	2,9	10	M 6	12	4.100	140	212	246	
44																	

**SPLIT****HC****HT**

# MAV 2008

Serie Standard

DIMENSIONI										VITI			CARATTERISTICHE				PESO kg
ds mm	d mm	x	D mm	L mm	L1 mm	L2 mm	L3 mm	lv mm	a x 45° mm	n.	misura	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	
55										7	M 8	30	3.500	130	199	276	
60	75	x	138	36,3	31,0	13,0	20,5	100	3,7				4.700	160	221	276	
65													6.000	180	241	276	
60	80	x	145	36,3	31,0	13,0	20,5	100	4,0	7	M 8	30	4.100	140	192	259	
65													5.200	160	211	259	
70													6.600	190	228	259	
60	85	x	155	43,3	38,0	16,5	24,0	114	4,0	10	M 8	30	5.400	180	213	290	
65													6.900	210	231	290	
70													8.600	250	248	290	
65	90	x	155	43,3	38,0	16,5	24,0	114	4,0	10	M 8	30	6.200	190	206	274	
70													7.700	220	222	274	
75													9.400	250	236	274	
65	95	x	170	48,3	43,0	19,0	26,5	124	4,0	12	M 8	30	6.800	210	200	274	
70													8.400	240	215	274	
75	100	x	170	48,3	43,0	19,0	26,5	124	4,0	12	M 8	30	10.300	270	228	274	
70													7.600	220	194	261	
75	105	x	185	55,4	49,0	21,5	29,5	136	4,0	9	M 10	59	9.300	250	207	261	
80													11.300	280	220	261	
70	110	x	185	55,4	49,0	21,5	29,5	136	4,0	9	M 10	59	8.100	230	180	253	
75													10.000	270	193	253	
80	115	x	200	56,4	50,0	22,0	30,0	150	4,0	10	M 10	59	12.100	300	205	253	
85													9.100	240	176	242	
80	120	x	200	56,4	50,0	22,0	30,0	150	4,0	9	M 10	59	11.000	280	188	242	
85													12.200	290	183	242	
80	125	x	215	59,4	53,0	23,0	31,5	160	4,0	12	M 10	59	11.500	290	191	250	
85													12.600	300	185	250	
90	130	x	215	59,4	53,0	23,0	31,5	160	4,0	10	M 10	59	15.100	340	198	250	
85													11.400	270	168	240	
90	140	x	230	65,5	58,0	25,0	34,0	175	6,0	10	M 10	59	13.800	310	180	240	
95													16.300	340	192	240	
85	145	x	230	65,5	58,0	25,0	34,0	175	6,0	10	M 12	100	13.300	310	186	263	
90	150	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 10	59	15.800	350	198	263	
95													18.600	390	209	263	
90	155	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 10	59	14.600	320	182	253	
95													17.200	360	193	253	
100	160	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 10	59	20.100	400	203	253	
95													18.600	390	190	259	
100	165	x	230	65,5	58,0	25,0	34,0	175	6,0	10	M 12	100	21.600	430	199	259	
105													24.900	470	208	259	
105	170	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 12	100	25.400	480	195	259	
110													29.000	530	203	259	
115	175	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 12	100	32.800	570	211	259	
115													38.900	680	223	278	
120	180	x	230	65,5	58,0	25,0	34,0	175	6,0	8	M 16	250	43.600	730	230	278	
125													47.600	760	231	278	
125	185	x	230	65,5	58,0	25,0	34,0	175	6,0	8	M 16	250	42.900	690	208	262	
130													47.800	740	215	262	
135	190	x	230	65,5	58,0	25,0	34,0	175	6,0	8	M 16	250	53.100	790	221	262	
135													60.000	890	197	244	
140	195	x	230	65,5	58,0	25,0	34,0	175	6,0	10	M 16	250	66.400	950	202	244	
145													73.100	1.000	208	244	
140	200	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 16	250	75.600	1.100	231	278	
150													90.600	1.200	241	278	
150	205	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 16	250	98.700	1.300	245	278	
155													87.000	1.200	231	271	
155	210	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 16	250	94.800	1.200	236	271	
160													103.000	1.300	240	271	
160	215	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 16	250	110.000	1.400	208	249	
165													120.000	1.500	212	249	
170	220	x	230	65,5	58,0	25,0	34,0	175	6,0	15	M 16	250	129.000	1.500	216	249	
170													146.000	1.700	233	273	
180	225	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 20	490	168.000	1.900	239	273	
190													190.000	2.000	243	273	
190	230	x	230	65,5	58,0	25,0	34,0	175	6,0	12	M 20	490	168.000	1.900	239	273	63

DIMENSIONI										VITI			CARATTERISTICHE				PESO kg
ds mm	d mm	x	D mm	L mm	L1 mm	L2 mm	L3 mm	lv mm	a x 45° mm	n.	misura	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	
180										14	M 20	490	186.000	2.100	236	273	
190	250	x	430	131,5	119,0	53,0	67,0	321	8,0				209.000	2.200	239	273	82
200													238.000	2.400	245	273	
190	260	x	430	131,5	119,0	53,0	67,0	321	8,0	14	M 20	490	197.000	2.100	225	262	
200													224.000	2.200	231	262	78
210	280	x	460	144,5	132,0	58,0	76,0	346	9,0	16	M 20	490	254.000	2.400	237	262	
210													260.000	2.500	220	252	
220	280	x	460	144,5	132,0	58,0	76,0	346	9,0				292.000	2.700	225	252	97
230													327.000	2.800	230	252	
230													334.000	2.900	219	247	
240	300	x	485	152,5	140,0	63,0	80,0	364	9,0	18	M 20	490	371.000	3.100	224	247	113
250													410.000	3.300	228	247	
240	320	x	520	152,5	140,0	63,0	80,0	386	9,0	20	M 20	490	380.000	3.200	229	257	
250													419.000	3.400	233	257	131
260	340	x	570	168,5	156,0	72,0	88,0	408	9,0	24	M 20	490	457.000	3.500	235	257	
270													465.000	3.700	232	261	
260	350	x	580	172,5	160,0	73,0	90,0	432	9,0	24	M 20	490	506.000	3.900	233	261	186
270													555.000	4.100	237	261	
280	350	x	580	172,5	160,0	73,0	90,0	432	9,0	24	M 20	490	483.000	3.700	217	246	
280													530.000	3.900	220	246	193
290	360	x	590	172,5	160,0	73,0	90,0	432	9,0	24	M 20	490	580.000	4.100	224	246	
295													556.000	4.000	215	239	
290	360	x	645	179,0	164,0	76,0	92,0	458	9,0	20	M 24	840	606.000	4.200	219	239	197
300													632.000	4.300	220	239	
310	390	x	660	179,0	164,0	76,0	94,5	468	11,0	21	M 24	840	682.000	4.700	239	263	
310													739.000	4.900	242	263	255
315	390	x	660	179,0	164,0	76,0	94,5	468	11,0	20	M 24	840	799.000	5.200	245	263	
320													813.000	5.200	249	269	
320	400	x	680	199,0	184,0	84,0	104,5	480	11,0	21	M 24	840	844.000	5.400	251	269	266
330													871.000	5.400	251	269	
330	420	x	690	199,0	184,0	84,0	104,5	504	11,0	24	M 24	840	806.000	5.100	210	231	
330													831.000	5.200	210	231	314
340	420	x	750	207,0	192,0	86,0	108,5	527	11,0	24	M 24	840	896.000	5.400	213	231	
350													967.000	5.900	230	251	
340	440	x	750	207,0	192,0	86,0	108,5	527	11,0	24	M 24	840	1.040.000	6.100	232	251	311
360													1.110.000	6.400	235	251	
350	440	x	770	207,0	192,0	86,0	108,5	547	11,0	24	M 24	840	970.000	5.700	207	229	
360													1.040.000	5.900	209	229	392
370	460	x	770	207,0	192,0	86,0	108,5	547	11,0	24	M 24	840	1.110.000	6.200	212	229	
380													1.040.000	5.800	199	219	
380	480	x	800	228,0	213,0	96,0	121,5	570	14,0	30	M 24	840	1.120.000	6.000	201	219	405
390													1.190.000	6.300	203	219	
400	480	x	800	228,0	213,0	96,0	121,5	590	14,0	24	M 27	1.250	1.420.000	7.500	221	240	
400													1.510.000	7.700	224	240	485
410	500	x	850	230,0	213,0	96,0	121,5	590	14,0	24	M 27	1.250	1.600.000	8.000	225	240	
420													1.620.000	8.100	228	245	
420	500	x	850	230,0	213,0	96,0	121,5	590	14,0	24	M 27	1.250	1.700.000	8.300	229	245	560
420													1.800.000	8.600	231	245	

**Legenda:**

Ma: coppia di serraggio viti  
 Mt: coppia trasmissibile con Fax=0 kN  
 Fax: forza assiale trasmissibile con Mt=0 Nm  
 Ps: pressione di contatto sull'albero  
 Ph: pressione di contatto sull'albero cavo (mizzo)

dimensione fori passanti nel mizzo (diametro in mm)

misura viti	M5	M6	M8	M10	M12	M16	M20	M24	M27
shrink disc split	7	8	10	13	15	19	23	27	30
shrink disc HALF HT	6	7	9	11	13	18	22	26	30