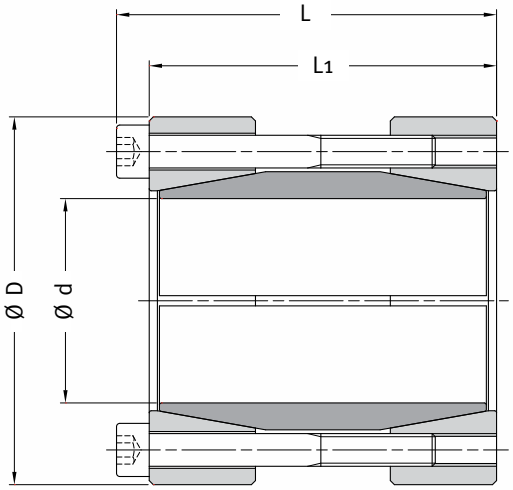
MAV 1004

Rigid Couplings



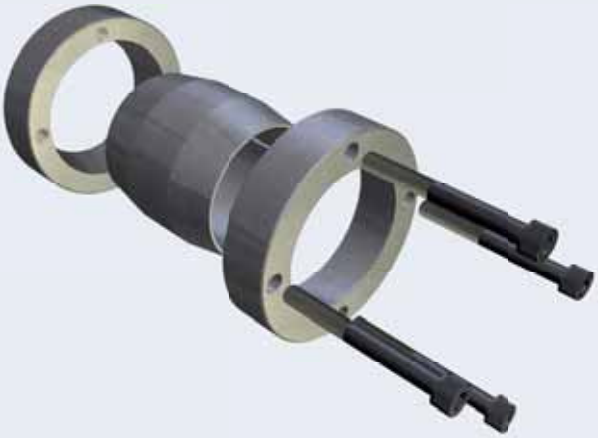
Example of order: MAV 1004 40 x 75

Features

- Rigid shaft-to-shaft coupling
- Low capacity
- Three-part design
- Oiled tapers (self-locking) and screws
- Connection of shafts with different diameters is possible, through stepped bore inner ring or adapter sleeve
- Shafts tolerance: h7 – h9
- Shafts surface finish Ra ‹ 3.2 µm
- Shafts – coupling contact surfaces: oiled (µ = 0.12)

Composition

- Slotted inner ring
- Front outer ring
- Rear outer ring
- Set of socket head cap screws, grade 12.9



MAV 1004

DIMENSIONS					SCREWS		FEATURES			WEIGHT
d mm	x	D mm	L mm	L1 mm	size	Ma Nm	Mt Nm	Fax kN	Ps MPa	kg
15	x	45	56	50	M 6	17	170	23	285	0,41
16	x	45	56	50	M 6	17	190	23	267	0,41
17	x	45	56	50	M 6	17	200	23	251	0,39
18	x	50	56	50	M 6	17	210	23	237	0,49
19	x	50	56	50	M 6	17	220	23	225	0,48
20	x	50	56	50	M 6	17	230	23	213	0,48
22	x	55	66	60	M 6	17	380	35	247	0,70
24	x	55	66	60	M 6	17	420	35	227	0,68
25	x	55	66	60	M 6	17	440	35	218	0,66
26	x	60	66	60	M 6	17	450	35	209	0,83
28	x	60	66	60	M 6	17	490	35	194	0,78
30	x	60	66	60	M 6	17	520	35	181	0,75
32	x	65	66	60	M 6	17	560	35	170	0,87
35	x	75	83	75	M 8	41	660	38	146	1,5
38	x	75	83	75	M 8	41	710	38	134	1,4
40	x	75	83	75	M 8	41	750	38	128	1,3
42	x	78	83	75	M 8	41	790	38	121	1,4
45	x	85	93	85	M 8	41	1.300	56	150	2,0
48	x	90	93	85	M 8	41	1.400	56	141	2,2
50	x	90	93	85	M 8	41	1.400	56	135	2,1
55	x	95	93	85	M 8	41	2.100	75	164	2,3
60	x	100	93	85	M 8	41	2.300	75	150	2,4
65	x	105	93	85	M 8	41	2.400	75	139	2,6
68	x	115	110	100	M 10	83	3.100	93	142	3,9
70	x	115	110	100	M 10	83	3.200	93	138	3,7
75	x	120	110	100	M 10	83	3.500	93	128	3,9
80	x	125	110	100	M 10	83	4.900	120	161	4,2
85	x	130	110	100	M 10	83	5.200	120	151	4,4
90	x	135	110	100	M 10	83	5.600	120	143	4,6
95	x	140	110	100	M 10	83	5.900	120	135	4,8
100	x	155	132	120	M 12	145	9.200	180	160	7,6
110	x	165	132	120	M 12	145	10.100	180	145	8,2
120	x	185	132	120	M 12	145	13.800	230	166	11
130	x	195	132	120	M 12	145	15.000	230	154	12

Code:

Ma: screws tightening torque

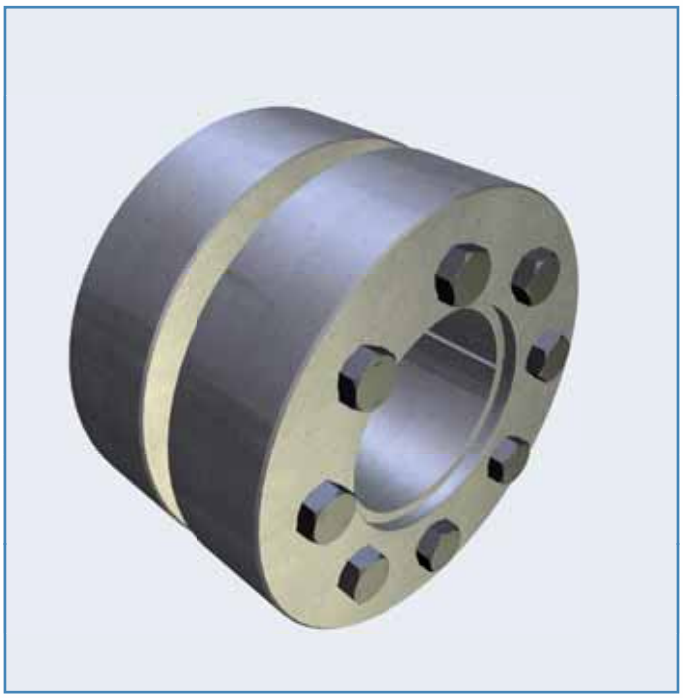
Mt: transmissible torque with Fax=O kN

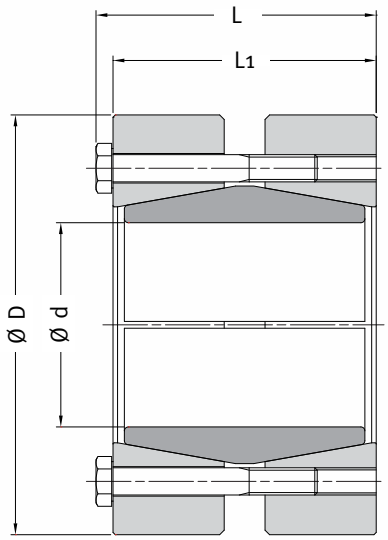
Fax: transmissible axial load with Mt=O Nm

Ps: contact pressure on shaft

MAV 1204

Rigid Couplings





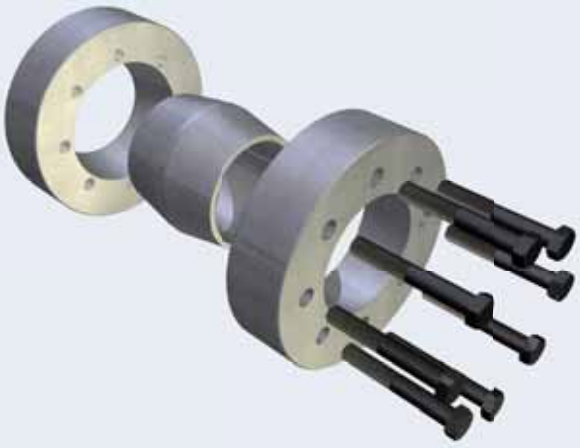
Example of order: MAV 1204 60 x 120

Features

- Rigid shaft-to-shaft coupling
- Medium capacity
- Three-part design
- Compact design
- Self-releasing tapers, greased with MoS2 (μ = 0.05). Oiled tapers (self-locking) up to size 14x44
- Screws greased with MoS2 (μ = 0.10)
- Connection of shafts with different diameters is possible, through stepped bore inner ring or adapter sleeve
- Shafts tolerance: h7 – h9
- Shafts surface finish Ra ‹ 3.2 μm
- Shafts – coupling contact surfaces: oiled (μ = 0.12)

Composition

- Slotted inner ring
- Front outer ring
- Rear outer ring
- Set of hexagonal head cap screws, grade 10.9 (size ‹ M6 of grade 8.8)



MAV 1204

DIMENSIONS					SCREWS		FEATURES			WEIGHT
d mm	x	D mm	L1 mm	L mm	size	Ma Nm	Mt Nm	Fax kN	Ps MPa	kg
6	x	35	19	22,5	M 5	4	27	9	491	0,11
7	x	35	19	22,5	M 5	4	31	9	421	0,11
8	x	35	19	22,5	M 5	4	36	9	368	0,11
9	x	39	23	26,5	M 5	4	50	11	327	0,17
10	x	39	23	26,5	M 5	4	55	11	294	0,17
11	x	39	23	26,5	M 5	4	61	11	268	0,17
12	x	44	30	33,5	M 5	4	80	13	226	0,29
13	x	44	30	33,5	M 5	4	87	13	209	0,29
14	x	44	30	33,5	M 5	4	93	13	194	0,28
15	x	52	34	38	M 6	12	160	22	275	0,43
16	x	52	34	38	M 6	12	170	22	258	0,43
17	x	52	34	38	M 6	12	180	22	242	0,42
18	x	52	34	38	M 6	12	200	22	229	0,42
19	x	52	34	38	M 6	12	210	22	217	0,41
20	x	60	40	44	M 6	12	360	36	301	0,65
22	x	60	40	44	M 6	12	400	36	273	0,63
24	x	60	40	44	M 6	12	440	36	250	0,61
25	x	66	44	48	M 6	12	630	51	299	0,84
28	x	66	44	48	M 6	12	710	51	267	0,80
29	x	66	44	48	M 6	12	740	51	258	0,79
30	x	76	48	52	M 6	12	870	58	256	1,2
32	x	76	48	52	M 6	12	930	58	240	1,2
35	x	76	48	52	M 6	12	1.000	58	220	1,2
36	x	96	56	61,3	M 8	30	1.800	97	312	2,3
40	x	96	56	61,3	M 8	30	1.900	97	281	2,2
44	x	96	56	61,3	M 8	30	2.100	97	256	2,1
50	x	112	68	73,3	M 8	30	3.500	140	264	3,5
51	x	112	68	73,3	M 8	30	3.600	140	259	3,5
54	x	112	68	73,3	M 8	30	3.800	140	244	3,6
55	x	120	78	83,3	M 8	30	4.600	170	244	4,7
60	x	120	78	83,3	M 8	30	5.000	170	224	4,4
63	x	120	78	83,3	M 8	30	5.300	170	213	4,3
65	x	148	88	94,4	M 10	60	8.600	260	284	8,4
68	x	148	88	94,4	M 10	60	9.000	260	272	8,1
70	x	148	88	94,4	M 10	60	9.300	260	264	8,1
73	x	148	88	94,4	M 10	60	9.700	260	253	7,9
74	x	170	104	111,5	M 12	100	11.600	310	262	12,8
76	x	170	104	111,5	M 12	100	12.000	310	256	12,7
80	x	170	104	111,5	M 12	100	12.600	310	243	12,3
85	x	170	104	111,5	M 12	100	13.400	310	228	11,8
86	x	185	116	123,5	M 12	100	16.200	380	238	16,8
90	x	185	116	123,5	M 12	100	17.000	380	227	16,3
92	x	185	116	123,5	M 12	100	17.400	380	222	16,1
96	x	185	116	123,5	M 12	100	18.100	380	213	15,6
100	x	197	126	133,5	M 12	100	23.600	470	232	19,6
106	x	197	126	133,5	M 12	100	25.000	470	219	18,7
108	x	197	126	133,5	M 12	100	25.500	470	215	18,4
110	x	197	126	133,5	M 12	100	26.000	470	211	18,1
120	x	230	152	162	M 16	250	43.600	730	251	31,5
130	x	230	152	162	M 16	250	47.200	730	231	29,4

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