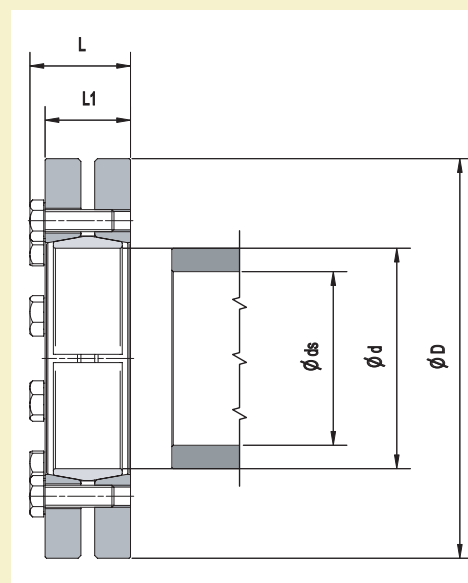


Features

- Connection of outer hollow shaft onto inner shaft
- Transmissible torque from 310 to 34.400 Nm
For HALF HC and HT versions, Mt and Fax are reduced to 50% of listed values.
- Not self-locking tapers
- Three-part design
- Lubrication: food grade paste FDA approved class H-1
- Outer hollow shaft bore – inner shaft contact surface lubricant-free and dry
- Tolerance of outer hollow shaft outer diameter: h8 or f7
- Outer hollow shaft – inner shaft clearance:
 - max values according to table
 - min value 0.017 mm, to prevent installation issues
- Outer hollow shaft – inner shaft surface finish $0.8 \leq Ra \leq 3.2 \mu m$



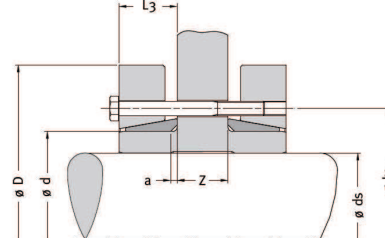
Composition

- Slotted inner ring
- Front outer ring
- Rear outer ring
- Set of hexagonal head cap screws, grade A2-70

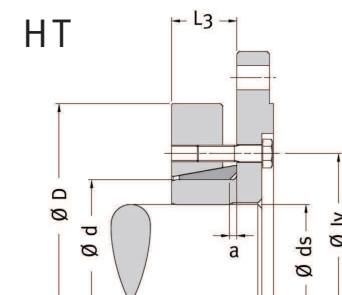
web clearance holes dia. (mm)						
screw size	M5	M6	M8	M10	M12	M16
shrink disc split	7.0	8.0	10.0	13.0	15.0	19.0
shrink disc half HT	5.5	7.0	9.0	11.0	13.5	18.0

DIMENSIONS							SCREWS			PERFORMANCES				WEIGHT kg
ds mm	d x D mm	L mm	L1 mm	L3 mm	IntV mm	a x 45° mm	n.	size	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	
19	24 x 50	21,5	18	11,5	36	2,1	6	M5	3,9	310	32	111	199	0,19
20										400	40	130	199	
21										500	48	149	199	
24	30 x 60	23,5	20	12,5	44	2,1	7	M5	3,9	480	40	95	162	0,29
25										590	47	108	162	
26										710	55	119	162	
28	36 x 72	26,0	22	13,5	52	2,1	5	M6	6,8	450	32	58	121	0,47
30										670	45	76	121	
31										630	40	66	121	
34	44 x 80	28,0	24	14,5	61	2,1	7	M6	6,8	590	35	46	125	0,59
35										750	43	55	125	
36										910	51	64	125	
38	50 x 90	31,0	27	16,0	70	2,1	8	M6	6,8	710	37	41	114	0,81
40										1.060	53	55	114	
42										1.440	69	68	114	
42	55 x 100	33,0	29	17,0	75	2,9	8	M6	6,8	750	36	34	99	1,1
45										1.300	58	51	99	
48										1.930	81	66	99	
48	62 x 110	33,0	29	17,0	86	2,9	10	M6	6,8	1.600	67	55	110	1,3
50										2.020	81	64	110	
52										2.020	78	59	110	
50	68 x 115	33,0	29	17,0	86	2,9	10	M6	6,8	1.250	50	39	100	1,3
55										1.690	62	44	100	
60										3.070	102	67	100	

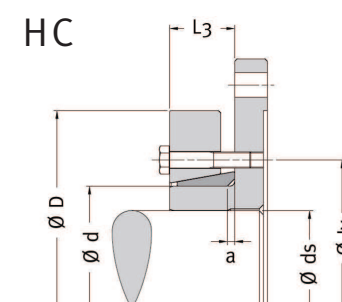
SPLIT



HT



HC



Stainless steel series AISI 400

shaft - hollow shaft fitting tolerances			
shaft size ds (mm)		ISO tolerances	max clearance
from	to		mm
11	18	n/a	
19	30	H6 - j6	0,017
31	50	H6 - h6	0,032
51	80	H6 - g6	0,048
81	120	H7 - g6	0,069
121	180	H7 - g6	0,079



Code

- Ma: screws tightening torque
- Mt: transmissible torque, with Fax=0 kN
- Fax: transmissible axial load, with Mt=0 Nm
- Ps: contact pressure on inner shaft
- Ph: contact pressure on outer hollow shaft

Listed performances are valid as long as outer hollow shaft and inner shaft are made of stainless steel. Should these parts be made of different materials, listed values might not apply.

As long as inner shaft is made of standard steel and outer hollow shaft is made of stainless steel, Mt and Fax will be derated to 57.14% of listed values.

Please consult MAV Technical Dept. for advise.

Information subject to change without prior notification, © MAV S.p.A.

DIMENSIONS							SCREWS			PERFORMANCES				WEIGHT kg
ds mm	d x D mm	L mm	L1 mm	L3 mm	IntV mm	a x 45° mm	n.	size	Ma Nm	Mt Nm	Fax kN	Ps MPa	Ph MPa	
55	75 x 138	36,3	31	20,5	100	3,7	7	M8	16	1.310	48	32	107	2,2
60										2.630	88	53	107	
65										4.210	129	72	107	
60	80 x 145	36,3	31	20,5	100	4,0	7	M8	16	1.730	58	35	100	2,4
65										3.090	95	53	100	
70										4.720	135	70	100	
60	85 x 155	43,3	38	24,0	114	4,0	10	M8	16	2.220	74	37	112	3,4
65										3.830	118	55	112	
70										5.740	164	71	112	
65	90 x 155	43,3	38	24,0	114	4,0	10	M8	16	2.790	86	40	106	3,3
70										4.480	128	55	106	
75										6.440	172	69	106	
65	95 x 170	48,3	43	26,5	124	4,0	12	M8	16	2.610	80	33	106	4,6
70										4.380	125	48	106	
75										6.440	172	61	106	
70	100 x 170	48,3	43	26,5	124	4,0	12	M8	16	3.280	94	36	101	4,4
75										5.120	137	49	101	
80										7.250	181	61	101	
70	105 x 185	55,4	49	29,5	136	4,0	9	M10	32	2.980	85	28	99	6,2
75										4.930	132	41	99	
80										7.190	180	52	99	
75	110 x 185	55,4	49	29,5	136	4,0	9	M10	32	3.740	100	31	95	5,9
80										5.780	145	42	95	
85										5.900	139	38	95	
80	115 x 200	56,4	50	30,0	150	4,0	10	M10	32	5.700	143	41	98	7,2
85										5.460	128	34	98	
90										8.320	185	47	98	
85	120 x 200	56,4	50	30,0	150	4,0	10	M10	32	3.810	90	24	94	7,0
90										6.410	142	36	94	
95										9.350	197	47	94	
85	125 x 215	59,4	53	31,5	160	4,0	12	M10	32	4.610	108	28	103	8,7
90										7.340	163	39	103	
95										10.400	220	50	103	
90	130 x 215	59,4	53	31,5	160	4,0	12	M10	32	5.630	125	30	99	8,4
95										8.460	178	41	99	
100										11.600	233	50	99	
95	140 x 230	65,5	58	34,0	175	6,0	10	M12	55	8.010	169	35	103	10
100										11.200	225	44	103	
105										14.800	282	53	103	
105	155 x 263	69,5	62	36,0	192	6,0	12	M12	55	12.400	237	41	103	15
110										16.200	295	49	103	
115										20.300	354	56	103	
115	165 x 290	78,0	68	39,0	210	5,0	8	M16	135	22.100	384	54	108	21
120										26.900	449	61	108	
125										29.800	477	62	108	
125	175 x 300	78,0	68	39,0	220	6,0	8	M16	135	23.600	377	49	101	21
130										28.800	443	55	101	
135										34.400	510	61	101	