

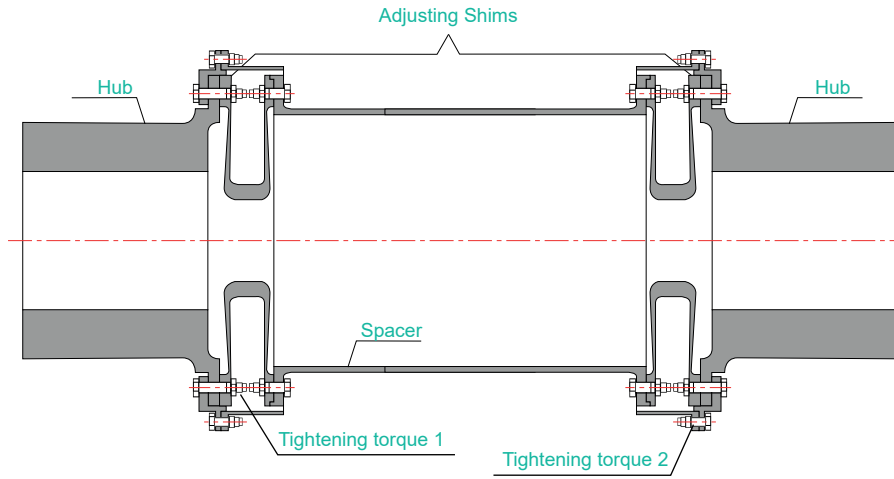
Trumy Diaphragm Couplings H2M series

H2M BENEFITS

- Easy to install
- Double diaphragm flexible coupling
- Factory assembled transmission unit
- Allows angular misalignment up to $2/3^\circ$
- High strength stainless steel diaphragms
- Shims supplied to adjust the axial mounting gap
- Big hub design to suit big diameter shaft applications

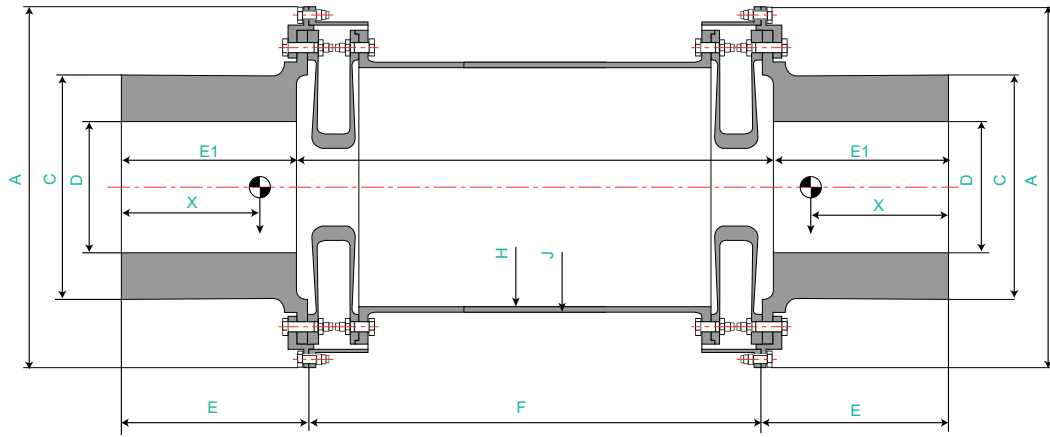
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H2M SERIES COUPLING TECHNICAL DATA

Coupling type	Torque rating (kNm)			Max. speed (rpm)	Tightening torque 1/2 (Nm)	Total weight (Kg)	Centre of gravity (mm)	Torsional stiffness (MNm/Rad)	Moment of inertia (Kgm ²)	Angular misalignment		Axial displacement	
	Continuous	Peak	Momentary							Max. degree	Restoring moment (Nm/deg)	Max. ±mm	Axial force (N)
H2M315	2.24	2.98	3.96	33000	8/8	14	58.0	0.079	0.038	2/3	0.39	3.2	570
H2M317	4.5	5.98	7.96	28000	8/8	22	69.4	0.157	0.082		0.81	4.0	966
H2M322	10	13.3	17.7	22000	15/8	49	85.8	0.360	0.336		1.84	5.2	1617
H2M327	20	26.6	35.3	18000	15/8	87	103.5	0.799	0.877		4.10	6.6	3001
H2M332	35.5	47.2	62.8	16000	15/8	141	122.2	1.374	2.167		7.20	8.0	4258
H2M337	50	66.5	88.5	14000	25/15	204	135.2	2.641	4.047		9.04	8.8	4571
H2M342	80	106	142	12000	25/15	321	155.5	3.293	8.617		14.90	10.4	6599
H2M347	112	148	198	11000	45/15	438	175.6	4.672	14.883		21.56	11.6	8494
H2M356	200	266	353	9000	45/15	753	207.4	8.706	36.829		40.13	14.0	13170
H2M366	224	298	396	6500	45/15	1339	236.1	14.152	79.163		42.20	15.4	11250
H2M382	450	598	797	5200	100/45	2545	283.6	28.704	226.579		82.20	19.4	17770
H2M399	800	1060	1420	4000	180/45	4554	344.1	56.020	607.937		163.64	23.8	28990
H2M3115	1400	1860	2480	3600	350/45	6820	397.8	93.300	1.222.923	285.94	28.0	43750	
H2M415	2.8	3.72	4.95	33000	8/8	14	61.9	0.088	0.044	1/2	0.74	2.6	866
H2M417	5.6	7.45	9.91	28000	8/8	22	74.3	0.177	0.094		1.54	3.2	1448
H2M422	12.5	16.6	22.1	22000	15/8	49	91.0	0.402	0.372		3.26	4.2	2315
H2M427	25	33.2	44.2	18000	15/8	87	109.6	0.916	0.964		8.19	5.2	4736
H2M432	45	59.8	79.6	16000	15/8	143	126.8	1.578	2.292		13.21	6.4	6254
H2M437	63	83.8	111	14000	25/15	207	139.6	2.228	4.243		17.04	7.2	7105
H2M442	100	133	177	12000	25/15	324	159.6	3.827	8.953		28.24	8.4	10010
H2M447	140	186	248	11000	45/15	442	177.9	5.372	15.157		41.69	9.4	13399
H2M456	250	332	442	9000	45/15	756	209.5	10.016	37.352		54.15	11.4	15381
H2M466	280	372	495	6500	45/15	1341	266.1	16.356	90.663		77.00	12.4	16310
H2M482	560	745	991	5200	100/45	2550	322.0	33.806	262.092		160.32	15.6	27980
H2M499	1120	1490	1980	4000	180/45	4563	388.7	64.651	697.646		297.94	19.2	42680
H2M4115	1800	2390	3180	3600	350/45	6835	446.4	109.812	1.380.285	540.19	22.4	66220	
H2M515	4	5.32	7.08	33000	8/8	14	61.9	0.104	0.044	2/5	2.17	1.8	1727
H2M517	8	10.6	14.2	28000	8/8	22	74.3	0.210	0.094		4.57	2.2	2926
H2M522	18	23.9	31.8	22000	15/8	49	91.0	0.478	0.372		9.58	2.8	4552
H2M527	35.5	47.2	62.8	18000	15/8	87	109.6	1.096	0.964		22.88	3.6	8996
H2M532	63	83.8	111	16000	15/8	146	128.3	1.919	2.335		37.70	4.4	12012
H2M537	90	119	159	14000	25/15	209	140.9	2.726	4.304		44.76	4.8	12108
H2M542	140	186	248	12000	25/15	328	161.3	4.725	9.095		79.80	5.6	18720
H2M547	200	266	353	11000	45/15	446	179.4	6.590	15.343		110.95	6.4	23970
H2M556	355	472	628	9000	45/15	663	211.2	12.366	37.769		203.95	7.8	36250
H2M566	400	532	708	6500	45/15	1347	267.0	20.477	90.926		207.25	8.4	29430
H2M582	800	1060	1420	5200	100/45	2562	323.1	43.190	262.915		455.60	10.6	53280
H2M599	1600	2130	2830	4000	180/45	4584	390.0	82.408	699.816		837.87	13.0	80140
H2M5115	2500	3330	4420	3600	350/45	6869	448.1	139.914	1.385.220	1428.25	15.4	118800	



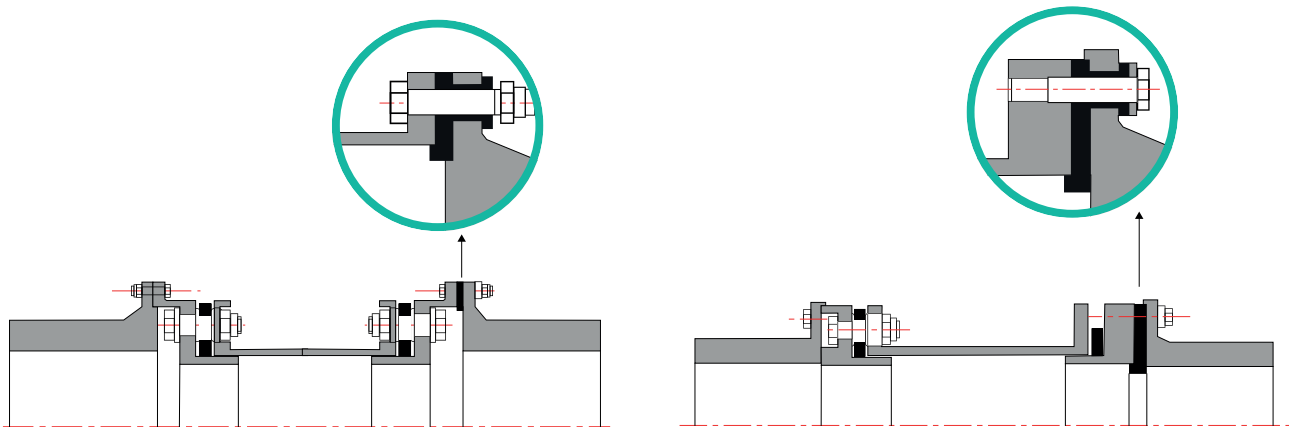
H2M SERIES COUPLING DIMENSIONS (mm)

Coupling type	A	C max	D max	E1	E	F		H	J
						Standard	Minimum		
H2M315	195	115	75	80	87	460	112	104	110
H2M317	221	140	95	105	112	460	128	132	138
H2M322	275	190	125	135	142	460	160	174	182
H2M327	322	234	155	170	177	460	180	216	226
H2M332	373	285	190	210	217	460	220	266	278
H2M337	422	325	215	235	242	460	250	303	316
H2M342	482	380	250	275	282	460	275	355	370
H2M347	582	423	280	310	317	460	310	395	412
H2M356	618	512	340	375	382	460	360	480	500
H2M366	728	600	400	440	452	660	360	578	595
H2M382	889	745	490	540	552	820	360	724	745
H2M399	1068	910	600	660	672	820	360	876	904
H2M3115	1214	1050	700	770	782	820	360	1010	1044

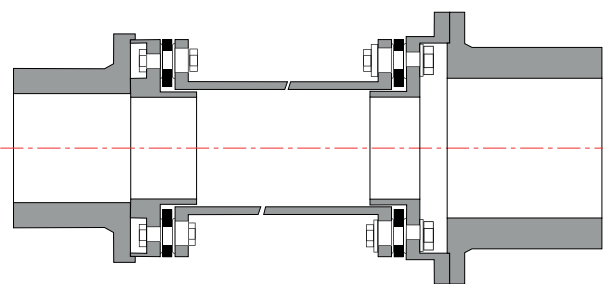
H2M415	195	115	75	80	87	460	112	104	110
H2M417	221	140	95	105	112	460	128	132	138
H2M422	275	190	125	135	142	460	160	174	182
H2M427	322	234	155	170	177	460	180	216	226
H2M432	373	285	190	210	217	460	220	266	278
H2M437	422	325	215	235	242	460	250	303	316
H2M442	482	380	250	275	282	460	275	355	370
H2M447	582	423	280	310	317	460	310	395	412
H2M456	618	512	340	375	382	460	360	480	500
H2M466	728	600	400	440	452	660	360	578	595
H2M482	889	745	490	540	552	820	360	724	745
H2M499	1068	910	600	660	672	820	360	876	904
H2M4115	1214	1050	700	770	782	820	360	1010	1044

H2M515	195	115	75	80	87	460	112	104	110
H2M517	221	140	95	105	112	460	128	132	138
H2M522	275	190	125	135	142	460	160	174	182
H2M527	322	234	155	170	177	460	180	216	226
H2M532	373	285	190	210	217	460	220	266	278
H2M537	422	325	215	235	242	460	250	303	316
H2M542	482	380	250	275	282	460	275	355	370
H2M547	582	423	280	310	317	460	310	395	412
H2M556	618	512	340	375	382	460	360	480	500
H2M566	728	600	400	440	452	660	360	578	595
H2M582	889	745	490	540	552	820	360	724	745
H2M599	1068	910	600	660	672	820	360	876	904
H2M5115	1214	1050	700	770	782	820	360	1010	1044

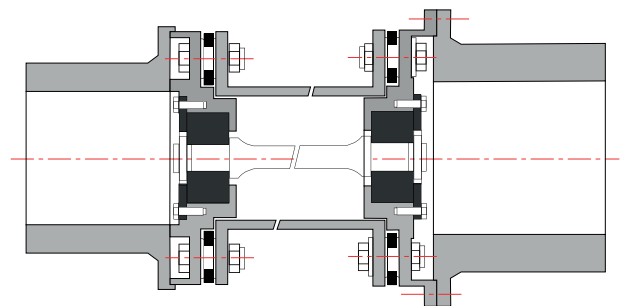
CUSTOMIZED DESIGN TO MEET SPECIFIC REQUIREMENTS



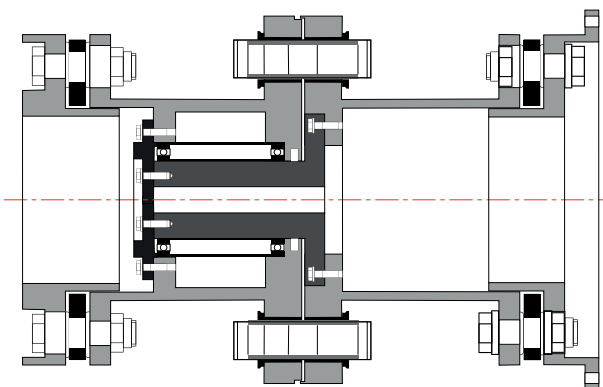
Electrically insulated



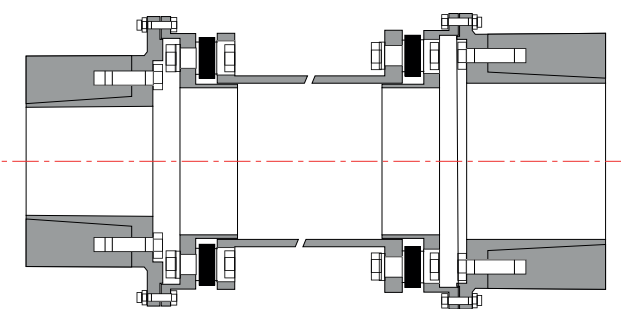
Limited end float by overload collars 2-3 mm



Limited end float by bone shaft 0 mm



Design of overload protection



Hub design with shrink connection for easy fit

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