



HTM - High Torque Clutch

Description

CHARACTERISTICS

- ☒ Pneumatically applied - spring release
- ☒ 1, 2, 3 or 4 disc design
- ☒ For dry use only

UTILISATION

- ☒ End-of-shaft mounting on bearing supported pulley, sprocket or flywheel

TYPICAL USES

- ☒ Fast engagement and cyclic applications
- ☒ High Torque requirements in a compact design
- ☒ General drive applications

MOUNTING PRECAUTIONS

- ☒ Input and output halves of clutch must be individually supported
- ☒ Designed for horizontal shaft axis. Consult Wichita if vertical mounting is required

SAFETY

- ☒ The clutch should be suitably guarded when in use

Air Sets

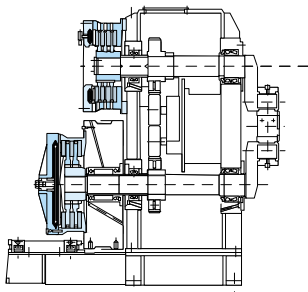
HTM clutches are either fitted with an "integral" roto coupling inside the airtube holding plate, alternatively, an integral adaptor with an external roto coupling is supplied.

For small clutches and applications where fast response is not important, use air set No. 78500-120. From model HTM 116 and bigger where fast engagement/disengagement is required, use air set No. 78500-441.

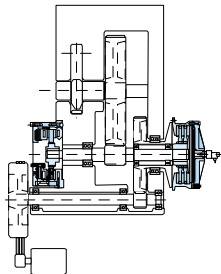
From model HTM 121 and upwards, air set No. 78500-443 can be used to obtain the fastest possible response times.

Air set numbers are given in quotations and acknowledgements.

Mounting example

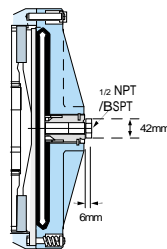


Einbaubeispiel



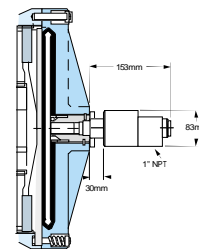
HTM Clutch and WCM Brake on Intermediate Shaft of Eccentric Power Press

Part No 78500-120



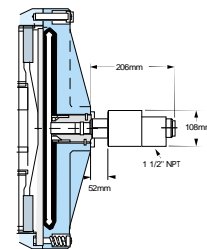
1/2" integral roto

Part No 78500-441



1" external roto with bolt on adaptor

Part No 78500-443

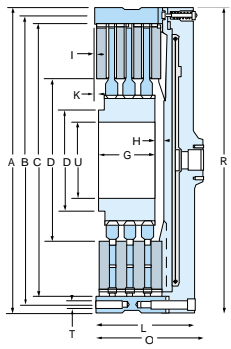


1 1/2" external roto with bolt on adaptor



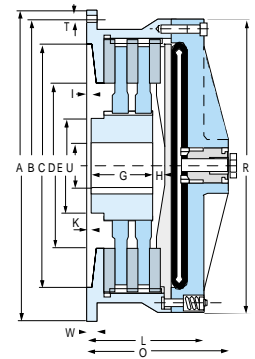
HTM - High Torque Clutch

Performance



HTM 348 Clutch/Kupplung

Dimensions



HTM Clutch/Kupplung (HTM 106-HTM 342)

Model Modell	Dynamic slip torque Dynamisches Getrieoment		Misc speed / Drehzahl				Inertia / Trägheit				Total weight Gesamtgewicht	Air/bre displacement Baßgolumen	
			Total clutch Gesamtkupplung		Hub & centre plate Nabe u. Innereiche		Total clutch Gesamtkupplung		Hub & centre plate Nabe u. Innereiche				
	55 bar (Nm)	7 bar (Nm)	Normal (mm)	High Heck (mm)	Normal (mm)	High Heck (mm)	Normal (kgm ²)	High Heck (kgm ²)	Normal (kgm ²)	High Heck (kgm ²)	new (cm ³)	norm. abgegr. (cm ³)	
	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	Performance / Leistung	
HTM 106	475	602					0.100	0.009	-	15	35	220	
HTM 206	950	1204	2100	2600	3520	5200	0.132	0.018	-	20	35	220	
HTM 108	790	1008					0.275	0.023	-	24			
HTM 208	1580	2016	1890	2500	2870	4230	0.335	0.044	-	29	60	400	
HTM 111	2835	3010					0.913	0.100	-	50			
HTM 211	4730	6020	1430	2200	2090	3070	1.04	0.200	-	60	155	880	
HTM 311	7095	9030					1.23	0.300	-	71			
HTM 114	4400	5600					1.98	0.250	-	90			
HTM 214	8800	11200	1225	1930	1640	2420	2.58	0.450	-	114	230	1300	
HTM 314	13200	16800					3.15	0.650	-	136			
HTM 116	8600	8400					3.75	0.442	0.400	118			
HTM 216	13200	16800	1080	1700	1430	2110	4.3	0.825	0.675	134	290	1650	
HTM 316	19800	25200					4.9	1.29	0.890	182			
HTM 118	10120	12880					7.45	0.683	0.584	170			
HTM 218	20240	25750	985	1530	1270	1880	9.88	1.345	1.148	220	440	2500	
HTM 318	30360	38640					10.3	1.997	1.693	240			
HTM 121	14520	18480					13.6	1.31	1.20	252			
HTM 221	29040	36960	850	1400	1090	1610	17.5	2.5	2.20	315	620	3300	
HTM 321	43560	55440					18	4.0	3.20	345			
HTM 124	21430	27150					20.5	2.3	2.25	290			
HTM 224	42860	54320	765	1210	950	1410	28.3	4.55	4.25	397	825	4400	
HTM 324	64020	81840					36	6.75	6.25	530			
HTM 127	30800	39200					39.3	4.75	3.45	480			
HTM 227	61600	78100	700	1090	850	1250	42.8	8.50	6.75	550	995	5300	
HTM 327	92400	117500					48.8	12.6	10	640			
HTM 130	88000	112000					93	15.1	10.2	840	1275	6800	
HTM 230	132000	168000	620	1000	765	1130	100	19.5	17	910			
HTM 236	176000	224000					185	29.5	28.2	1300			
HTM 336	254000	336000	525	800	640	940	208	44.7	43.5	1620	3420	13000	
HTM 242	247500	315000					335	65	54.8	1530			
HTM 342	371250	472500	440	650	545	805	575	92	74	2350			
HTM 248	407000	518000					790	140	138	2950			
HTM 348	605000	770000	380	580	475	705	1175	211	201	3650			

Model Modell	A	B	C ¹⁾	D	E	G	H	I	K	L	O	R	T	U ²⁾ min	W max	
HTM 106	220	203	190	101	68	51	8	1.6	0	99	99	224	4x9x9	15	45	6
HTM 206	220	203	190	101	68	83	8	1.6	0	129	129	224	4x9x9	15	45	6
HTM 108	310	280	220	156	102	32	17	6.3	12	103	145	283	6xø14	25	57	13
HTM 208	310	280	220	156	102	45	19	6.3	20	127	169	283	6xø14	25	57	13
HTM 111	400	375	295	178	102	70	25	9.6	3	149	203	375	6xø18	25	65	16
HTM 211	400	375	295	178	102	111	25	9.6	6	192	246	375	6xø18	25	65	16
HTM 114	470	445	370	240	140	71	22	6.6	3	162	208	445	8xø18	35	90	16
HTM 214	470	445	370	240	140	114	19	9.6	10	212	262	445	8xø18	35	90	16
HTM 116	540	510	410	266	152	70	27	9.6	10	173	227	508	12xø18	35	102	16
HTM 216	540	510	410	266	152	120	27	9.6	10	219	273	508	12xø18	35	102	16
HTM 118	590	560	470	317	178	70	36	9.6	11	181	229	569	12xø18	50	120	16
HTM 218	590	560	470	317	178	120	33	9.6	11	231	278	569	12xø18	50	120	16
HTM 121	685	648	540	368	229	73	38	8	17	199	250	632	12xø18	50	152	19
HTM 221	685	648	540	368	229	130	33	8	19	248	296	632	12xø18	50	152	19
HTM 124	760	730	620	368	229	89	32	6	18	216	253	737	12xø18	50	152	19
HTM 224	760	730	620	368	229	130	32	6	19	275	307	737	12xø18	50	152	19
HTM 127	830	800	700	413	267	89	38	6	19	210	250	794	16xø18	65	165	19
HTM 227	830	800	700	413	267	140	41	6	19	278	318	794	16xø18	65	165	19
HTM 230	940	900	775	489	356	137	22	6	19	275	304	918	18xø22	65	230	19
HTM 330	940	900	775	489	356	178	22	6	19	326	355	918	18xø22	65	230	19
HTM 236	1105	1065	925	600	356	190	38	6	28	383	388	1055	18xø26	152	230	38
HTM 336	1105	1065	925	600	356	215	38	6	28	467	473	1055	18xø26	152	230	38
HTM 242	1320	1250	1070	749	406	190	57	6	66	464	464	1245	24xø26	204	255	50
HTM 342	1320	1250	1070	749	406	235	56	6	22	564	564	1245	24xø26	204	255	50
HTM 248 ¹⁾	1499	1397	1320	-	610	295	100	6	32	489	489	1499	24xø36	254	457	-
HTM 348 ¹⁾	1499	1397	1320	-	610	296	100	6	32	657	657	1499	24xø36	254	457	-

1) No flange or backplate.

1) Keine Gegenplatte.