



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

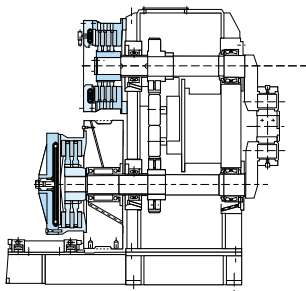
HTM clutches are either fitted with an "integral" roto coupling inside the airtube holding plate, alternatively, an integral adaptor with an external roto coupling is supplied.

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.

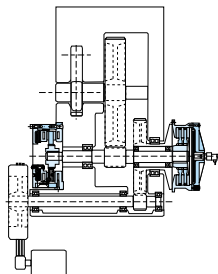
From model HTM 121 and upwards, air set No. 78500-443 can be used to obtain the fastest possible response times.

Air set numbers are given in quotations and acknowledgements.

Mounting example

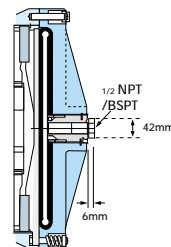


Einbaubeispiel



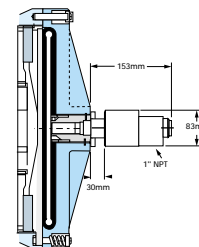
HTM Clutch and WCM Brake on Intermediate Shaft of Eccentric Power Press

Part No 78500-120



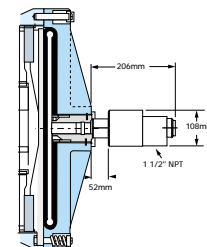
1/2" integral roto

Part No 78500-441



1" external roto with bolt on adaptor

Part No 78500-443

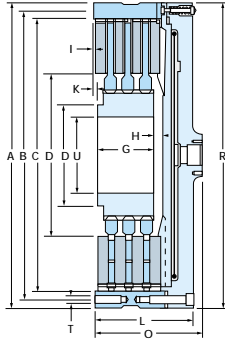


1 1/2" external roto with bolt on adaptor



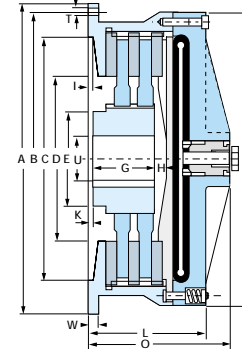
HTM - High Torque Clutch

Performance



HTM 348 Clutch/Kupplung

Dimensions



HTM Clutch/Kupplung (HTM 106-HTM 342)

Model Modell	Dynamic slip torque Dynamisches Gleitmoment		Max speed / Drehzahl				Total clutch Gesamtkupplung				Inertia / Trägheit			Total weight		Airbleed displacement Balgvolumen	
	⑤ 5.5 bar (lba) ¹⁾	⑦ 7 bar (lba) ¹⁾	Total clutch Gesamtkupplung		Hub & control plate Nabe u. Innenscheibe		Total clutch Gesamtkupplung		Hub & control plate Nabe u. Innenscheibe		Gesamt- gewicht (kg)	new neu (cm)	worm abgrutz (cm ³)	Airbleed displacement Balgvolumen			
	Standard Normal (mm)	High Hoch (mm)	Standard Normal (mm)	High Hoch (mm)	Standard Normal (kgm ²)	Standard Normal (kgm ²)	High Hoch (kgm ²)	Standard Normal (cm ³)	High Hoch (cm ³)								
HTM 106	475	602	2100	2600	3520	5200	0.100	0.009	-	20	15	35	220				
HTM 206	950	1204			0.132	0.018	-	20	20	35	220						
HTM 108	790	1008	1890	2500	2870	4230	0.275	0.023	-	24	60	400					
HTM 208	1580	2016			0.335	0.044	-	29	60	400							
HTM 111	2635	3010			0.913	0.100	-	50	155	880							
HTM 211	4730	6020	1430	2200	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	2.58	0.450	-	114	230	1300							
HTM 314	13200	16800			3.15	0.650	-	136									
HTM 116	6600	8400			3.75	0.442	0.400	118									
HTM 216	13200	16800	1080	1700	4.3	0.825	0.675	134	290	1650							
HTM 316	19800	25200			4.9	1.29	0.990	162									
HTM 118	10120	12880			7.45	0.683	0.584	170									
HTM 218	20240	25760	985	1530	9.88	1.345	1.146	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	17.5	2.5	2.20	315	620	3300							
HTM 321	43560	55440			18	4.0	3.20	345									
HTM 124	21430	27160			20.5	2.3	2.25	290									
HTM 224	42860	54320	765	1210	28.3	4.55	4.25	397	825	4400							
HTM 324	64020	81480			36	6.75	6.25	530									
HTM 127	30800	39200			39.3	4.75	3.45	480									
HTM 227	61600	78100	700	1090	42.8	8.50	6.75	560	995	5300							
HTM 327	92400	117600			48.8	12.6	10	640									
HTM 230	88000	112000			93	15.1	10.2	840									
HTM 330	132000	168000	620	1000	100	19.5	17	910	1275	6800							
HTM 236	176000	224000			185	29.5	28.2	1300	3420	13000							
HTM 336	264000	336000	525	800	208	44.7	43.5	1620									
HTM 242	247500	315000			335	65	54.8	1530									
HTM 342	371250	472500	440	650	575	92	74	2350									
HTM 248	407000	518000			790	140	138	2950									
HTM 348	605000	770000	380	580	1175	211	201	3650									

Model Modell	A	B	C ¹⁾	D	E	G	H	I	K	L	O	R	T	U ²⁾		W
	min	max	min	max	min	max	min	max	min	max	min	max	min	max	min	
HTM 106	220	203	190	101	68	51	8	1.6	0	99	99	224	4x99	15	45	6
HTM 206	220	203	190	101	68	83	8	1.6	0	129	129	224	4x99	15	45	6
HTM 108	310	280	220	156	102	32	17	6.3	12	103	145	283	6x144	25	57	13
HTM 208	310	280	220	156	102	45	19	6.3	20	127	169	283	6x144	25	57	13
HTM 111	400	375	295	178	102	70	25	9.6	3	149	203	375	6x181	25	65	16
HTM 211	400	375	295	178	102	111	25	9.6	6	192	246	375	6x181	25	65	16
HTM 114	470	445	370	240	140	71	22	9.6	3	162	208	445	8x181	35	90	16
HTM 214	470	445	370	240	140	114	19	9.6	10	210	262	445	8x181	35	90	16
HTM 116	540	510	410	266	152	70	27	9.6	10	173	227	508	12x181	35	102	16
HTM 216	540	510	410	266	152	120	27	9.6	10	219	273	508	12x181	35	102	16
HTM 118	590	560	470	317	178	70	36	9.6	11	181	229	559	12x181	50	120	16
HTM 218	590	560	470	317	178	120	33	9.6	11	231	278	559	12x181	50	120	16
HTM 121	685	648	540	368	229	73	38	8	17	199	250	632	12x181	50	152	19
HTM 221	685	648	540	368	229	130	33	8	19	248	296	632	12x181	50	152	19
HTM 124	760	730	620	368	229	89	32	6	18	216	253	737	12x181	50	152	19
HTM 224	760	730	620	368	229	130	32	6	19	275	307	737	12x181	50	152	19
HTM 127	830	800	700	413	267	89	38	6	19	210	250	794	16x181	65	165	19
HTM 227	830	800	700	413	267	140	41	6	19	278	318	794	16x181	65	165	19
HTM 230	940	900	775	489	356	137	22	6	19	275	304	918	18x222	65	230	19
HTM 330	940	900	775	489	356	178	22	6	19	326	355	918	18x222	65	230	19
HTM 236	1105	1065	925	600	356	190	38	6	28	383	388	1055	18x266	152	230	38
HTM 336	1105	1065	925	600	356	215	38	6	28	467	473	1055	18x266	152	230	38
HTM 242	1320	1250	1070	749	406	190	57	6	66	464	464	1245	24x266	204	255	50
HTM 342	1320	1250	1070	749	457	235	56	6	22	564	564	1245	24x266	204	255	50
HTM 248 ¹⁾	1499	1397	1320	-	610	295	100	6	32	489	489	1499	24x366	254	457	-
HTM 348 ¹⁾	1499	1397	1320	-	610	296	100	6	32	657	657	1499	24x366	254	457	-

1) No flange or backplate.

1) Keine Gegenplatte.

