

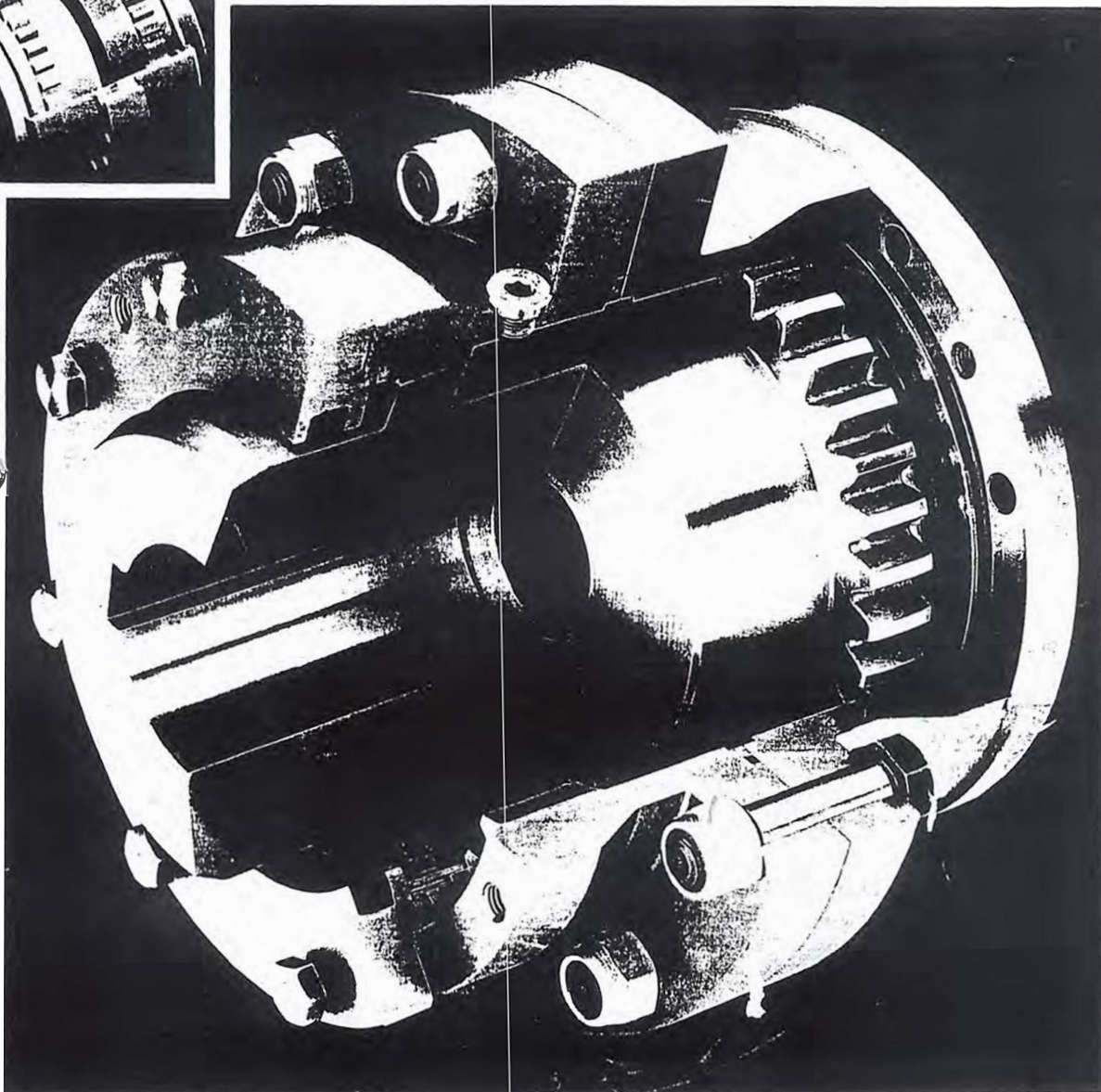
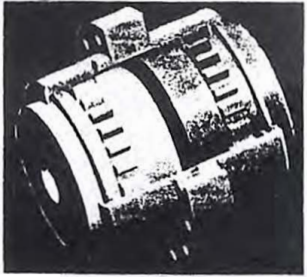


couplings



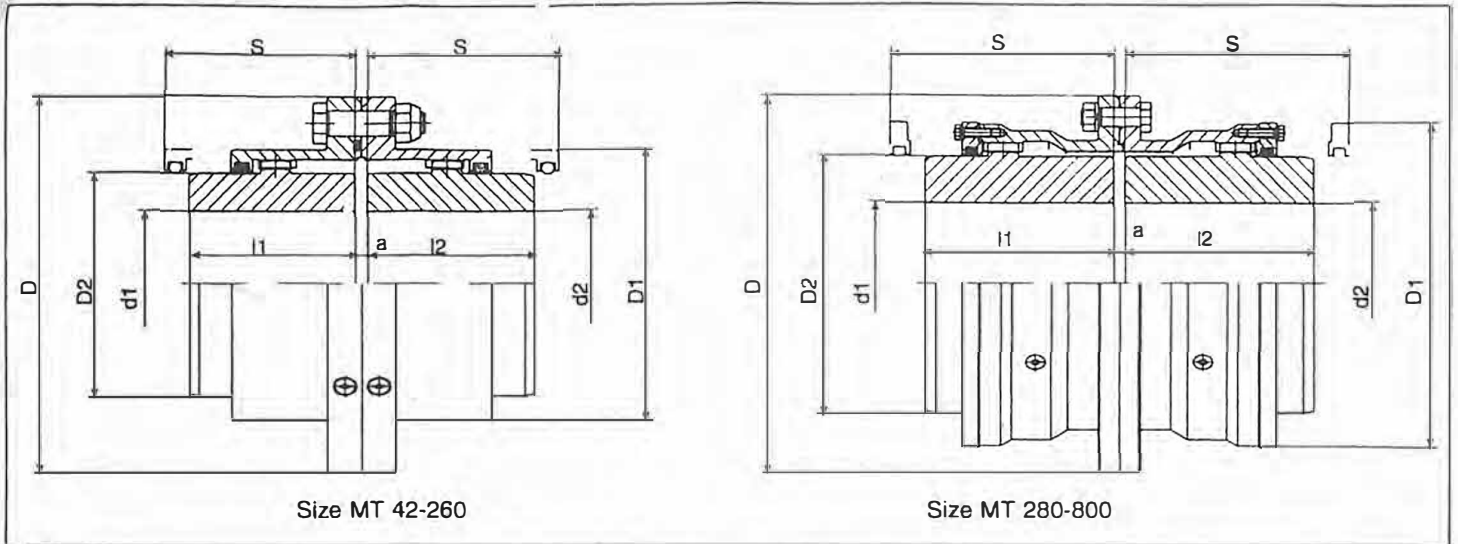
Crowned tooth gear couplings

model MT



Coupling Types

type MT Basic design



Size	(1)	(2)	Max.Speed N max.(3)	DIMENSIONS (mm.)								J (6)	Weight(7)	Lubricant	
	P_N (KW) n	T_N Nominal Nm		r.p.m.	(4) $d_1 - d_2$		D	D_1	D_2	$l_1 - l_2$	a	S (5)	Kg m^2		Kg.
					max.	min.									
42	0.107	1.025	8.600	44	13	116	80	60	55	6	75	0.0055	5	0,04	
55	0.225	2.150	6.600	58	16	152	100	79	70	6	90	0,021	10	0,06	
70	0.440	4.200	5.600	75	20	178	125	101	80	6	108	0.048	17	0,17	
90	0.754	7.200	4.700	95	25	213	148	124	95	8	124	0,125	28	0,24	
100	1.225	11.700	4.200	105	30	240	173	143	105	8	136	0.200	40	0,36	
125	1.80	17.200	3.600	130	35	279	204	170	120	8	158	0,48	65	0,50	
145	2.88	27.500	3.150	150	45	318	242	205	135	10	172	0,93	95	0,70	
165	3.98	38.000	2.860	165	55	346	268	216	150	10	192	1,55	134	1,30	
185	5.36	51.200	2.580	190	60	389	302	250	170	10	210	2,70	185	1,75	
205	7.05	67.300	2.320	210	70	425	327	275	185	12	230	4,10	240	2,2	
230	9.21	88.000	2.200	230	100	457	354	300	200	12	250	5,55	273	2,8	
260	14.08	134.500	2.000	260	115	527	410	340	230	12	280	9,15	412	4,5	
300	18.85	180.000	1.800	280	140	540	465	370	250	16	300	14,83	525	3,0	
330	26.2	250.000	1.600	310	160	585	505	410	270	16	320	22,30	750	3,6	
345	33.5	320.000	1.500	345	180	650	548	450	290	16	340	36,78	890	4,8	
370	41.8	400.000	1.400	370	210	690	588	490	325	20	370	52,6	1.275	5,0	
390	53.4	510.000	1.300	390	230	760	640	520	345	20	400	78,8	1.390	9,0	
420	69.1	660.000	1.200	420	250	805	690	560	365	20	420	110,8	1.660	9,8	
460	81.7	780.000	1.100	460	275	850	730	600	400	20	450	152,4	2.010	11,5	
500	104.7	1.000.000	1.050	500	300	930	780	650	410	25	490	213,8	2.460	11,5	
550	125.7	1.200.000	950	550	325	995	850	710	430	25	520	309,8	3.070	14,5	
590	167.5	1.600.000	900	590	350	1.055	910	760	470	25	550	422	3.410	23	
620	188.5	1.800.000	850	620	375	1.140	970	810	500	30	600	677	4.550	23	
650	199.0	1.900.000	800	650	400	1.190	1.020	840	520	30	630	762	5.035	30	
680	219.9	2.100.000	750	680	425	1.250	1.080	890	540	30	650	850	6.270	36	
730	277.3	2.600.000	700	730	450	1.300	1.150	950	570	30	680	1.210	6.910	38	
800	397.9	3.800.000	660	800	475	1.420	1.270	1.050	600	30	725	1.620	9.750	46	

(1) P_N = Nominal Power in (Kw); n = r.p.m.

(2) T_N = Nominal Torque in Nm; During start up the coupling can be loaded at 200% of nominal torque capacity.

(3) Consult JAURE for couplings operating at higher speeds.

(4) Max. admissible bore for couplings with DIN 6885/1 keys. For other types of keys or connections please consult JAURE.

In case pulling holes are used verify page 29 for maximum shaft diameter.

(5) Clearance to align coupling hubs and replacement of sealing rings.

(6) $GD^2 = 4J$.

(7) J and Weight are given for maximum bore.