



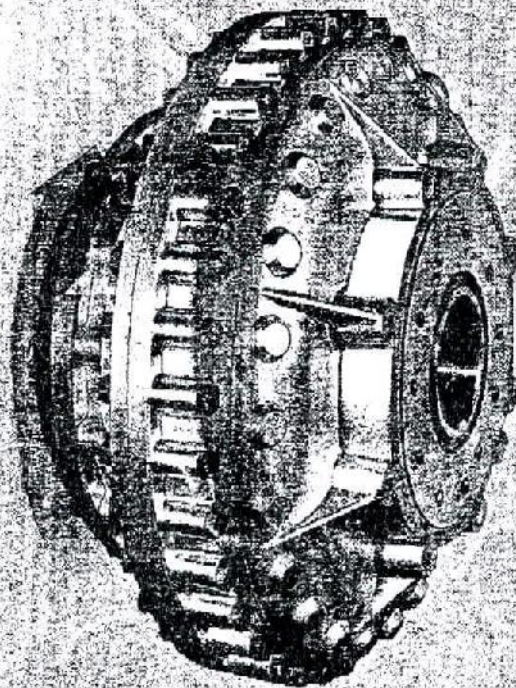
330 mm

640 mm

shaft (motor) : 80 mm

132 kw

VOITH TURBO



**Voith Turbo Couplings
with constant filling**

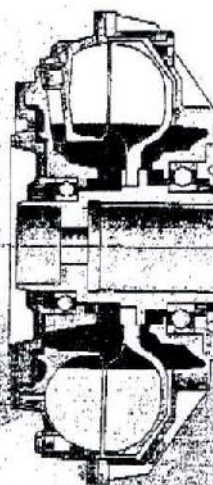
The basic type - Turbo Coupling "Type T"

Turbo Coupling Type T is the basic version of constant-fill couplings, consisting of pump wheel, turbine wheel and outer shell.

A further range has been created by the addition of other parts to this basic type.

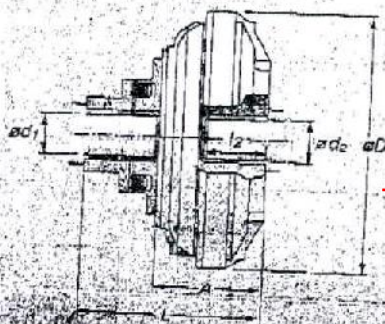
The turbo coupling is normally mounted on the machine shaft or gearbox shaft to be driven (outer wheel drive). In order to compensate for any slight installation inaccuracies, a flexible connecting coupling is used to join coupling and input shaft.

Installation of this type of coupling is recommended when vibration and overload protection are required for motor and machine; they may also be used for simpler transmission systems in the lower performance range.



Applications:

- Bucket-wheel equipment
- Excavators
- Mixing, kneading and stirring machines



Size	Type	A	D	L	d ₁	d ₂	l ₂	Weight kg ¹⁾
154	T	80	190	max.	max.	max.		
154	DT	102	190	143	32	28	50	4
206	T	97	248	165	32	28	80	5
206	DT	137	248	183	42	42	60	10
274	T	136	328	223	42	42	115	13
274	DT	176	328	291	65	55	90	21
366	T	198	424	357	65	55	125	26
422	T	218	470	391	75	65	120	52
487	T	245	536	436	90	80	135	78
592	T	269	634	490	100	90	165	110
650	T	317	740	591	120	110	170	170
750	T	366	842	529	140	120	200	265
866	T	421	978	651	140	135	240	382
1000	T	441	1118	810	160	150	265	507
1150	T	505	1295	851	180	160	280	850
1150	DT	830	1295	1040	180	180	320	1165
						170	550	1677

¹⁾ Weight with connecting coupling and max. oil filling.

A suitable coupling for any drive

Essential design factors for a coupling are the power and speed of the drive motor.

Having established the nominal power and speed required, the diagram on the right enables determination of the appropriate size of the coupling.

Different conditions require different starting procedures (characteristic curve) for the coupling. Important criteria in this respect are the mass moment of inertia, torque limitation and frequency of start-ups.

In the table below different types of couplings and their starting conditions can be compared.

- Type T
- Type TV
- Type TVV
- Type TVVS

