

CHAIN & DRIVES
COMPLETE POWER
TRANSMISSION

POWER > SPEED > TORQUE

 **FLUIDOMAT**



Fixed Speed / Constant Fill Fluid Couplings



The Steel Body Constant Fill Fluid Couplings

Type SF: are steel body constant fill Traction Coupling with a thin driving plate on motor side and metallic disc coupling on machine side. These couplings are radially displaceable. Maximum capacity is adjustable between 180% to 270%.

Type CBSF: are steel body constant fill fluid couplings with hollow shaft execution on one end and flexible coupling on the other end for respective shaft connections. They are available with delayfil chamber type CBSF DF and without delayfil type CBSF. Also available in Radially Displaceable execution having metallic disc flexible coupling on both ends.

They are suitable for operation with:

- Water - Oil emulsion as per HFB classification of European Mines safety commission.
- Mineral oil as operating fluid.
- Maximum torque transmitting capacity is adjustable between 180% to 270 % for CBSF and 150 to 270% CBSF DF delayfil couplings.

Type WF: are steel body constant fill fluid couplings with hollow shaft execution on one end and flexible coupling on the other end for respective shaft connection. They are available with delayfil chamber type WFDF and without delayfil type WF. Also available in Radially Displaceable execution having metallic disc flexible coupling on both ends.

They are suitable for operation with:

- Water (aqua)
- Water oil emulsion as per HFB classification of European Mines Safety Commission.
- Mineral Oil
- Maximum torque transmitting capacity is adjustable between 200% to 270% for type WF and 180% to 270% for WF DF.

These steel body fluid couplings are of extremely robust construction. They are ideal for use in underground or opencast mines or other sites where use of aluminum is prohibited or where robust construction is necessary with simplicity of construction.

These steel body fluid couplings are being manufactured by us since 1976 and are very well proven on various mining and surface applications.

They offer all the advantages and performance characteristics of any other aluminium body Fluidomat Fluid Couplings

- Virtually no load start and run up of motor and utilization of motor peak torque for load acceleration.
- Smooth and controlled acceleration of driven machine.
- Quick decay of motor starting current kick.
- Adjustable starting characteristics and load limiting.
- Dampening of shock loads, torsional fluctuations and vibrations.

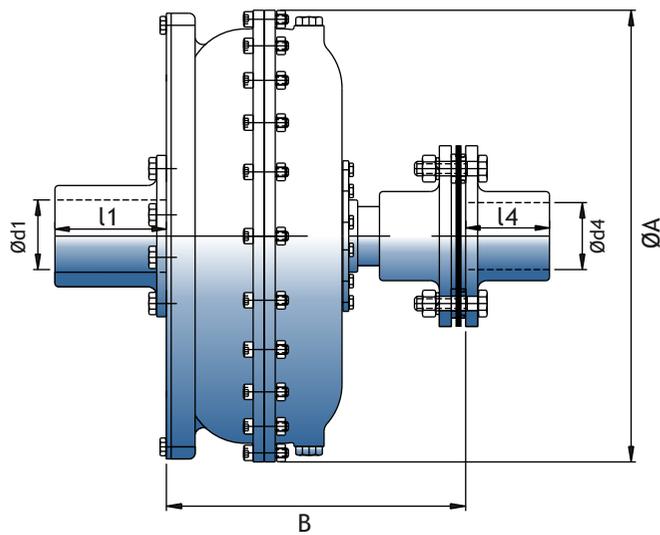
FLUIDOMAT SF, CBSF & WF

KW Ratings at different speeds (RPM)

SF/CBSF & CBSFDF							
Model	600	750	900	1000	1200	1500	1800
4	1	1.8	3	4	8	15	22
6	2.6	5	9	12	20	40	60
7	4	7.5	13	18	31	60	80
8	5.6	11	19	26	45	80	114
9	10	19	33	45	78	152	197
10	14.4	28	48	66	115	224	290
566	20	40	68	93	161	315	375
11*	33	64	111	152	262	373	--
12*	46	90	155	213	368	485	--

* Models not offered in type SF

WF/WFDF							
Model	600	750	900	1000	1200	1500	1800
4	1	1.8	3	4	8	15	22
360	2.6	5	9	12	20	40	60
5	4	7.5	13	18	31	55	80
6	5.6	11	19	26	45	75	114
7	10	19	33	45	78	140	197
8	14.4	28	48	66	115	205	290
566	20	40	68	93	161	315	375
9	33	64	111	152	262	373	-
10	46	90	155	213	368	485	-

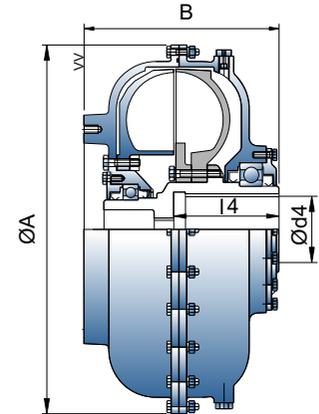


Technical Specification and Dimension Table for coupling type SF

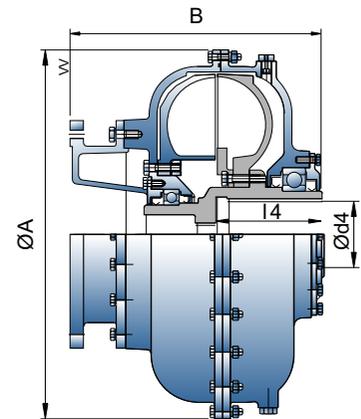
Fluid Coupling Model SF	ØA	B	Ød 1 MAX	l1	Ød 4 MAX	l 4	Flex. Coupling Model FXC	Dry Wt. Kg	Max filling liters
4	375	250	50	80	55	70	II	55	4.8
6	418	290	75	110	90	95	III	82	7.8
7	470	300	75	110	90	95	III	98	10.0
8	508	310	75	110	90	95	III	106	13.5
9	570	330	110	140	110	110	III	190	18.75
10	620	345	110	140	110	125	IV	205	27

Model	A	B	Ød4 Max.	L4	Threads 'M' BSW	Flexible coupling model
WF-4, CBSF-4	380	154	42	80	1"	FFX-1
WFDF-4, CBSFDF-4	380	240	42	80	1"	FFX-1
WF-360, CBSF-6	436	220	55	112	1"	FFX-3
WFDF-360, CBSFDF-6	436	316	55	112	1"	FFX-3
WF-5, CBSF-7	470	235	75	135	1"	FFX-3
WFDF-5, CBSFDF-7	470	280	75	135	1"	FFX-3
WF-6, CBSF-8	512	253	85	140	1¼"	FFX-4
WFDF-6, CBSFDF-8	512	328	85	140	1¼"	FFX-4
WFDX-6, CBSFDX-8	512	373	85	140	1¼"	FFX-4
WF-7, CBSF-9	570	237	95	155	1½"	FFX-4
WFDF-7, CBSFDF-9	570	315	95	155	1½"	FFX-4
WFDX-7, CBSFDX-9	570	335	95	155	1½"	FFX-4
WF-8, CBSF-10	620	291	100	170	1½"	FP-1
WFDF-8, CBSFDF-10	620	370	100	170	1½"	FP-1
WFDX-8, CBSFDX-10	620	451	100	170	1½"	FP-1
WF-566, CBSF-566	644	313	110	172	1½"	FP-1
WFDF-566, CBSFDF-566	644	392	110	172	1½"	FP-1
WFDX-566, CBSFDX-566	644	473	110	172	1½"	FP-1
WF-9, CBSF-11	730	342	120	200	Ø50-8P	FP-2
WFDF-9, CBSFDF-11	730	494	120	200	Ø50-8P	FP-2
WF-10, CBSF-12	776	405	120	200	Ø50-8P	FP-2
WFDF-10, CBSFDF-12	776	590	120	200	Ø50-8P	FP-2

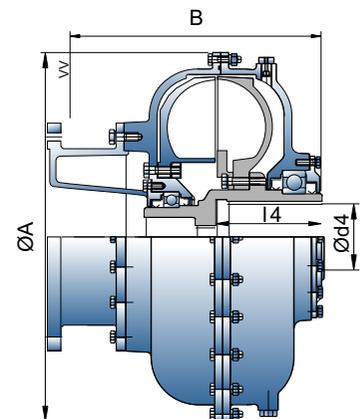
TYPE:- WF, CBSF



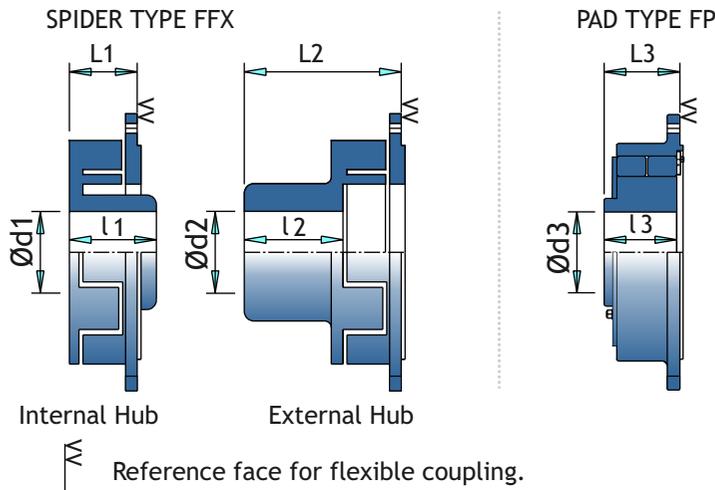
TYPE:-WFDF, CBSF DF



TYPE:-WFDX, CBSF DX



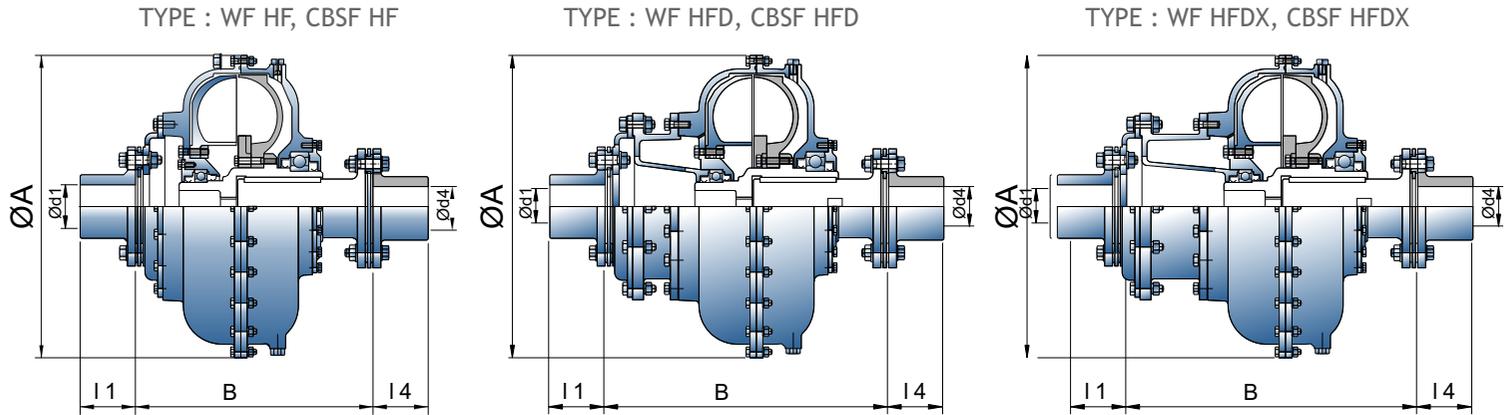
FLEXIBLE COUPLING



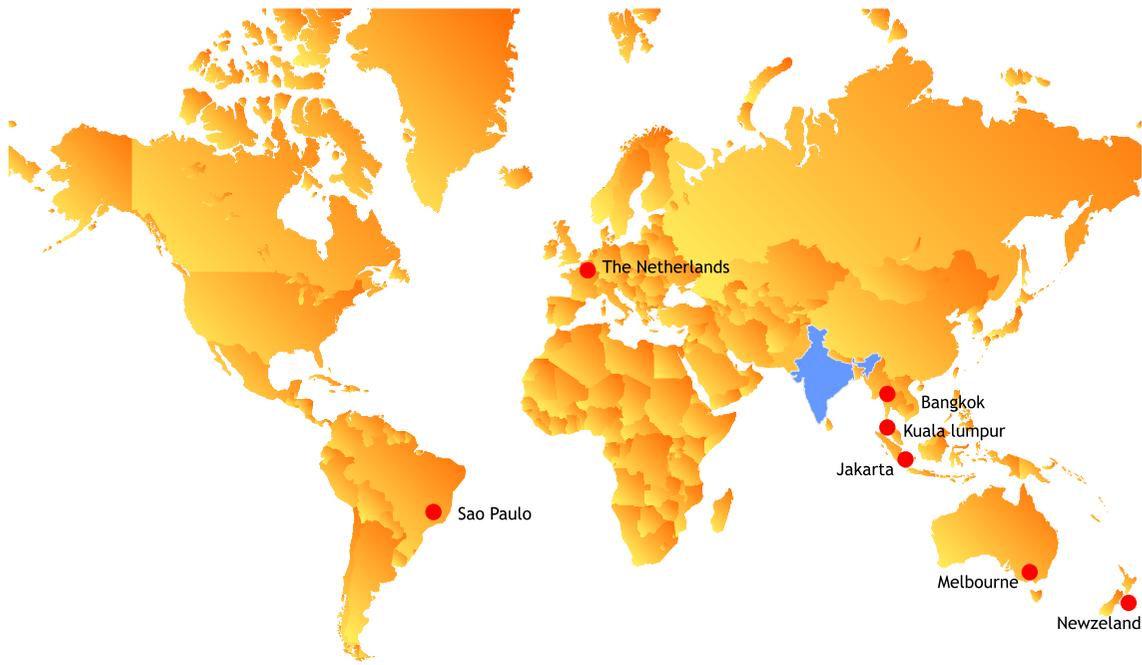
Flexible Coupling model	Internal Hub			External Hub			Pad type coupling		
	Ø d1 max	l1	L1	Ø d2 max	l2	L2	Ø d3 max	l3	L3
FFX-1	42	67	67	60	75	130	--	--	--
FFX-3	80	92	72	90	110	170	--	--	--
FFX-4	90	102	87	100	120	195	--	--	--
FFX-5	--	--	--	125	150	230	--	--	--
FP-1	--	--	--	--	--	--	100	110	120
FP-2	--	--	--	--	--	--	140	155	167

FLUIDOMAT SF, CBSF & WF

Type WF HF & CBSF HF are radially displaceable fluid couplings with metallic disc flexible coupling on both input and output ends. These metallic disc couplings do not require any lubrication and require least maintenance. The weight of fluid coupling is shared by motor and driven machine shaft thus reducing weight reaction on gear box shafts which are of small diameters in modern designs.



Model	ØA	B	Ød1 Max. l 1	Ød4 Max. l 4	Flexible coupling model
WFHF-4, CBSFHF-4	380	278	55 70	55 70	FXC-II
WFHFD-4, CBSFHFD-4	380	364	55 70	55 70	FXC-II
WFHF-360, CBSF HF-6	436	350	75 95	75 95	FXC-III
WFHFD-360, CBSFHFD-6	436	446	75 95	75 95	FXC-III
WFHF-5, CBSFHF-7	470	380	75 95	75 95	FXC-III
WFHFD-5, CBSFHFD-7	470	500	75 95	75 95	FXC-III
WFHF-6, CBSFHF-8	512	384	90 95	80 95	FXC-III
WFHFD-6, CBSFHFD-8	512	458	90 95	80 95	FXC-III
WFHFDX-6, CBSFHFDX-8	512	504	90 95	80 95	FXC-III
WFHF-7, CBSFHF-9	570	402	90 110	90 110	FXC-III
WFHFD-7, CBSFHFD-9	570	480	90 110	90 110	FXC-III
WFHFDX-7, CBSFHFDX-9	570	502	90 110	90 110	FXC-III
WFHF-8, CBSF HF-10	620	470	110 125	110 125	FXC-IVA
WFHFD-8, CBSFHFD-10	620	550	110 125	110 125	FXC-IVA
WFHFDX-8, CBSFHFDX-10	620	630	110 125	110 125	FXC-IVA
WFHF-566, CBSFHF-566	644	500	110 125	110 125	FXC-IVA
WFHFD-566, CBSFHFD-566	644	578	110 125	110 125	FXC-IVA
WFHFDX-566, CBSFHFDX-566	644	659	110 125	110 125	FXC-IVA
WFHF-9, CBSF HF-11	730	543	110 125	110 125	FXC-IVA
WFHFD-9, CBSF HFD-11	730	695	110 125	110 125	FXC-IVA
WFHF-10, CBSF HF-12	776	629	115 125	120 125	FXC-IV
WFHFD-10, CBSFHFD-12	776	814	115 125	120 125	FXC-IV



 **FLUIDOMAT**

CHAIN & DRIVES
COMPLETE POWER
TRANSMISSION

Unit 1 / 45 Inspiration Drive Wangara WA 6065 ☎ (08) 9303 4966 📄 (08) 9303 4977
🌐 chainanddrives.com.au ✉ info@chainanddrives.com.au

ABN 81 121 105 173

POWER > SPEED > TORQUE