



SM DX AR / HF DX AR COUPLING

Type AR Fluid Couplings are with annular ring and extra long delayfil chamber.

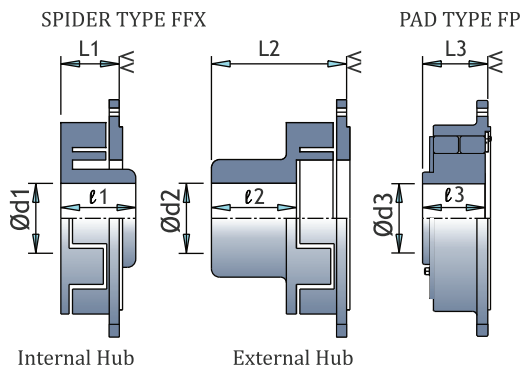
During the initial rotation, the annular ring fills up and the working circuit is partially emptied enabling very low torque transmission during motor run up (acceleration). This enables very quick acceleration of motor speed and quick decay of motor current.

This is followed by increase in transmitted torque by gradual emptying of delayfil chamber oil into the working circuit. The torque is built up gradually and enables controlled acceleration torque to the driven machine.

Rating Table

COUPLING MODEL SM DX AR & HF DX AR	MAX. RATINGS IN KW AT DIFFERENT INPUT SPEEDS RPM						
	600 RPM	730 RPM	900 RPM	970 RPM	1200 RPM	1470 RPM	1800 RPM
9	12	22	41	52	98	172	246
9 B	16	29	54	68	129	228	300
10	22	39	73	91	172	275	370
10 B	32	57	107	134	253	373	500
11	47	85	158	198	374	525	775
12	82	148	278	348	600	750	--
13	163	293	550	620	850	1100	--
14	277	500	758	850	1250	--	--
15	472	850	1148	1250	--	--	--

Flexible Coupling



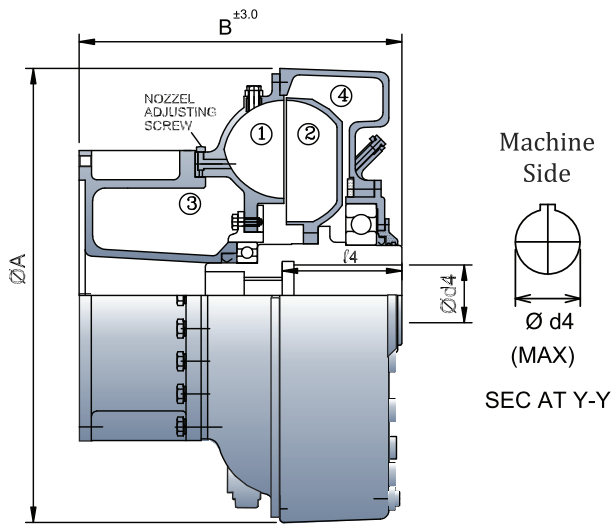
Internal Hub External Hub
 M Reference face for flexible coupling.

Connected Flexible Coupling Model Wise

Model SM DX AR	Internal Hub			External Hub			Model SM DX AR	Pad Type Coupling		
	Ø d1 Max.	l 1	L1	Ø d2 Max.	l 2	L2		Ø d3 Max.	l 3	L3
9	90	102	87	100	120	195	9B,10	100	110	120
9B,10	--	--	--	125	150	230	10B,11	120	140	151
							12	140	155	167
							13	160	180	179
							14	160	180	194
							15	180	200	214

SM-AR/HF-AR

Type SM DX AR



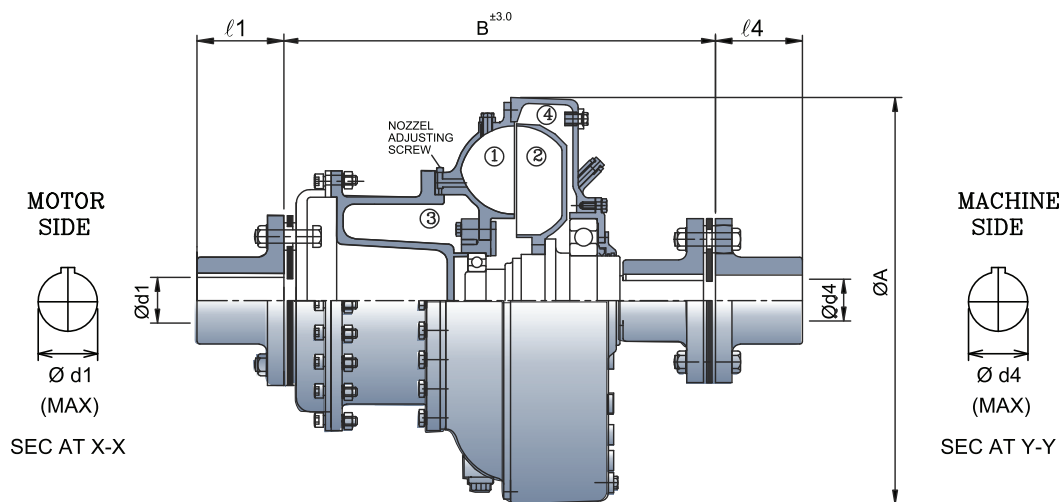
- 1) IMPELLER
- 2) ROTOR
- 3) DELAY FIL CHAMBER
- 4) ANNULAR CHAMBER

Dimension Table : SM DX AR

COUPLING MODEL	ø A	B	ød4	ℓ4	* DRY WEIGHT (Kgs.)
SM 9 DX AR	604	405	95	155	118
SM 9B DX AR	640	430	95	160	176
SM 10 DX AR	670	424	110	170	193
SM 10B DX AR	739	451	110	190	240
SM 11 DX AR	776	471	120	200	283
SM 12 DX AR	870	555	130	240	365
SM 13 DX AR	985	619	150	270	510
SM 14 DX AR	1130	624	160	275	765
SM 15 DX AR	1255	724	160	275	965

* With connected Flexible Coupling.

Type HF DX AR



Dimension Table : HF DX AR

COUPLING MODEL	ø A	B	ød1/ ød4	ℓ 1 / ℓ 4	DRY WEIGHT (Kgs.)
HF 9 DX AR	604	546	95	110	143
HF 9B DX AR	640	589	95	125	192
HF 10 DX AR	670	611	110	125	198
HF 10B DX AR	739	632	110	125	247
HF 11 DX AR	776	661	120	125	310
HF 12 DX AR	870	820	130	200	440
HF 13 DX AR	985	875	150	200	620
HF 14 DX AR	1130	943	160	200	723
HF 15 DX AR	1255	1016	160	200	1134