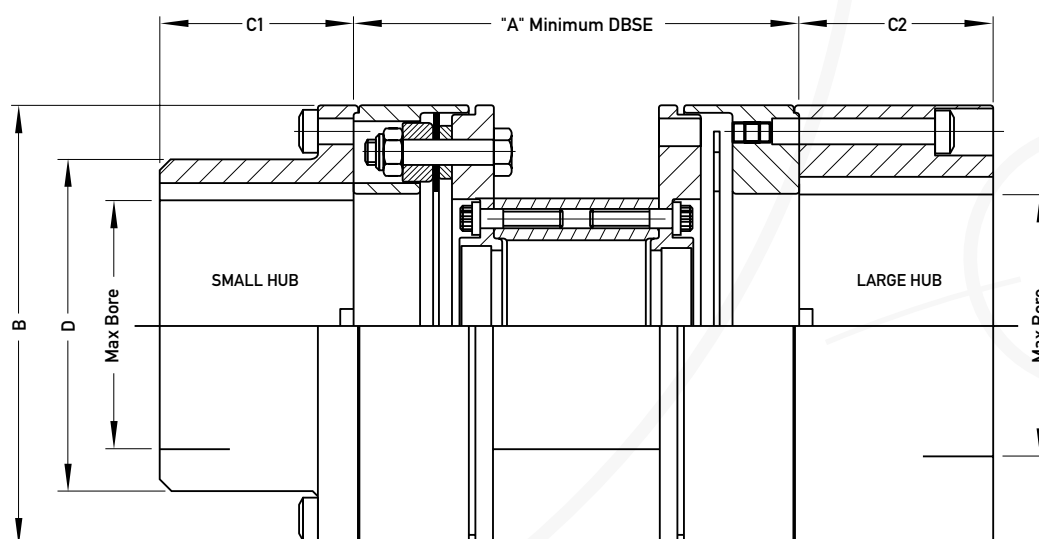


# AUTOFLEX SERIES ECS HVII



## Technical Details

Coupling Size	Rating kW/1000 rpm	Torque Rating		Maximum Speed		(1) Weight (Kg)	Weight per m of extra DBSE. (Kg/m)	(1) Inertia (Kgm <sup>2</sup> )	Inertia per m of extra DBSE (Kgm <sup>2</sup> /m)	Max. Axial Misalignment (mm)	Max. Parallel Offset (mm)
		Cont. (Nm)	Peak (Nm)	Unbal. (rpm)	Bal. (rpm)						
ECS11HVEII	11.5	110	220	8,800	19,000	3.8	4.7	0.0035	0.0019	1.5	0.62
ECS19HVEII	20	190	380	8,000	17,000	6.2	5.6	0.0076	0.0030	1.9	0.72
ECS 15 HVII	16	150	270	7,600	11,000	4.7	7.2	0.0041	0.0020	0.76	0.65
ECS 35 HVII	37	350	620	6,700	9,700	8.7	11	0.012	0.0067	0.97	0.72
ECS 70 HVII	73	700	1,240	6,000	8,600	14.8	20	0.029	0.021	1.12	0.74
ECS 130 HVII	136	1,300	2,600	5,500	7,800	24.0	22	0.061	0.028	1.33	0.84
ECS 220 HVII	230	2,200	4,400	4,900	7,000	39.3	37	0.077	0.068	1.57	0.92
ECS 330 HVII	346	3,300	6,600	4,500	6,500	56.7	40	0.27	0.099	1.79	0.96
ECS 480 HVII	502	4,800	9,600	4,100	6,100	81.7	48	0.47	0.14	2.02	1.28
ECS 700 HVII	733	7,000	14,000	3,800	5,600	114.1	62	0.84	0.27	2.29	1.29
ECS 880 HVII	921	8,800	17,600	3,600	5,200	155.2	84	1.37	0.43	2.49	1.47
ECS 1300 HVII	1,360	13,000	26,000	3,400	5,000	197.0	100	2.33	0.65	2.89	1.50

- 1) Weights and Inertias are calculated using standard unbored hubs and a minimum DBSE dimension.
- 2) Maximum offset is based on a minimum DBSE (1/2 degree angular misalignment per disc pack)
- 3) The HVEII utilizes a 4 link membrane pack. The HVII utilizes a 6 link membrane pack.

## Dimensional Details

Coupling Size	Maximum Bore		A • (mm)	B (mm)	C1 (mm)	C2 (mm)	D (mm)	Stock DBSE ("A") Dimension							
	Small Hub (mm)	Large Hub (mm)						(mm)					(in)		
								100	120	140	180	250	5	7	9
ECS11HVEII	42	60	65	91.2	33.3	41.1	58.7	•	•	•			•	•	
ECS19HVEII	51	75	78	105.7	39.6	46.0	71.4	•	•	•			•	•	
ECS 15 HVII	45	60	80	89	36.5	36.5	60	•	*	*			*	*	
ECS 35 HVII	55	74	100	110	46.0	46.0	75	•	•	*	*		•	*	
ECS 70 HVII	75	90	100	133	58.7	58.7	100	•	•	*	*		•	*	*
ECS 130 HVII	80	105	114	152	65.0	65.0	111		•	•	*	*	•	*	*
ECS 220 HVII	90	125	131	180	75.0	75.0	131			•	*	*		*	*
ECS 330 HVII	120	140	152	205	90.0	90.0	163				•	*		•	*
ECS 480 HVII	130		169	230	95.0		181				•	*		•	*
ECS 700 HVII	140		185	257	110.0		206					*			•
ECS 880 HVII	155		210	282	120.0		223					•			•
ECS 1300 HVII	175		223	325	130.0		248					•			•

- 1) For shorter DBSE's - consult the factory.
- 2) Longer hubs can be provided for taper / counter bore requirements - consult the factory.
- 3) The HVEII utilizes a 4 link membrane pack. The HVII utilizes a 6 link membrane pack.
- 4) • Refer to the use of solid spacer assemblies. \* Refers to the use of a bolted spacer tube