

FLEXIBLE DRIVE COUPLING

(MODEL: Hydax 19, 28, 38, 48, 55, 65)



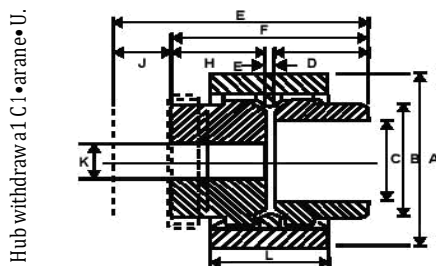
SAILENT FEATURES

- HYDAX Flexible Drive Coupling consists of two gear hubs engaging in a sleeve of high grade plastic material.
- The gears have crowned-tooth from which permit axial and angular misalignment.
- They are maintenance free, require no lubrication and do not emit transmission noise.
- Have superior strength and a wide operating temperature range.
- Available in 6 sizes to suit 1HP to 75HP.
- Available in non-corrosive options of Stainless steel and Nylon materials also

ASSEMBLY PROCEDURE

Maximum permissible angular misalignment is 1.5 degrees. Ensure that the coupling hubs easily fit on the shaft. Do not use undue force. Maintain gap between hubs as shown in sketch. Use grub screws to locate gear hubs on their respective shafts. For shock load applications use the following formula:

$$\text{Rating} / 100 \text{ RPM of coupling} = \frac{\text{HP of application} \times 100 \times F}{\text{RPM of application}}$$



	Load Factor	Load Factor (F)
Application	El Motor	IC Engines
Uniform Load	1	1.2
Medium Shock	1.25	1.5
Heavy Shock	1.75	2.0

Couplings Size	A	B	Max C	D	E	F	G	H	J	Min K	L	Pilot Bore
HYDAX-19	48	30	19	25	4	54	70	25	16	07	37	07
HYDAX-28	66	44	28	40	4	84	104	40	20	12	46	12
HYDAX-38	83	56	38	40	4	84	104	40	24	12	48	12
HYDAX-48	100	68	48	50	6.5	104	126	50	22	15	50	15
HYDAX-55	123	82	55	60	3	123	154	60	31	15	65	15
HYDAX-65	140	96	65	70	4	144	176	70	32	15	72	15

Specification for Hydax Flexible Drive Coupling

Coupling Size	Elec. Motor Frame Size	3000 RPM		1500 RPM		1000 RPM		750 RPM		Max. Torque at 1500 RPM		Max. RPM
		kW	Hp	kW	Hp	kW	Hp	kW	Hp	Kg. M	Ft. Lbs	
Hydax 19	80, 90S, 90L	2.2	2.0	1.5	1.0	1.1	1.0	0.75	1.0	5.0	36.2	3000
Hydax 28	100 L, 112 M	7.5	10	5.5	5.0	4.25	5.0	2.2	3.0	2.3	16.6	3000
Hydax 38	132 S, 132 M	10	13	7.5	10	5.5	7.5	3.0	4.5	7.0	50.3	3000
Hydax 48	160ML, 180ML	22	30	18.5	25	15	20	11	15	14.4	104.2	3000
Hydax 55	225S	37	50	37	50	22	30	15	20	25.5	184.5	3000
Hydax 65	200 L, 250 M	55	75	55	75	37	50	30	40	35.5	256.7	3000

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