

Drive Coupling HC Series

Features and Handling

- Drive Couplings are made of steel reinforce Nylon sleeve with two steel drive hubs. The crowned teeth form gears permit axial and angular misalignment.
- Easy to assemble and no maintenance or lubrication needed
- After years of experience, our drive coupling has been developed to withstand higher torque than other coupling in the market



Materials

Coupling halves : cast iron steel
Sleeve : Nylon 66
Max temp sleeve : 83°C

To select coupling model check application to establish running load condition. Check chart for factor (F) and apply factor (F) to *Rating of coupling formulae. This answer you now apply to *Rating/ 100 rev/min below. It is advisable always to check shaft sizes being used on application and check with dimension "Min Bore".

Application	Factor (F)	
	Electric motor	Petrol/diesel engine
Uniform load	1.00	1.20
Medium shock	1.25	1.50
Heavy shock	1.75	2.00

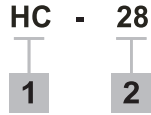
$$*Rating\ of\ coupling = \frac{HP\ of\ application \times 100 \times F}{rev/min\ of\ application}$$

Specification

Model	Max Speed rpm	*Rating/ 100 rev/min kw (hp)	Weight kg (lb)
HC-28	5000	0.75 (1.00)	1.1 (2.4)
HC-42	5000	1.32 (1.75)	1.9 (4.2)
HC-55	5000	6.00 (8.00)	5.0 (11.0)

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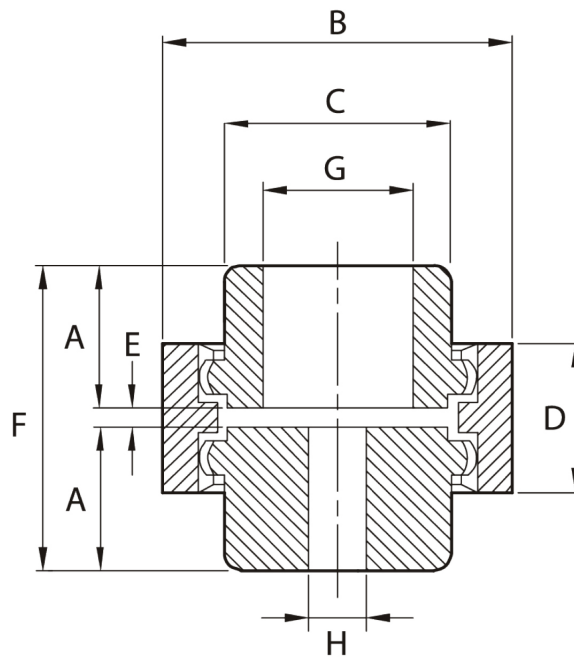
Ordering Code



1. Model : HC

2. Bore Size (mm) : 28, 42, 55

Installation Dimension mm (inch)



Model	Dimension mm (inch)								
	A	B	C	D	E	F	G		H Pilot Bore
							Max Bore	Min Bore	
HC-28	40.0 (1.57)	67.5 (2.65)	44 (1.73)	37 (1.45)	4 (0.16)	84 (3.31)	28 (1.100)	10 (0.39)	10 (0.39)
HC-42	40.0 (1.57)	88 (3.46)	60 (2.36)	50 (1.97)	4 (0.16)	84 (3.31)	42 (1.65)	14 (0.55)	10 (0.39)
HC-55	57.6 (2.27)	122 (4.80)	80 (3.15)	64 (2.52)	4 (0.16)	124 (4.88)	55 (2.17)	19.0 (0.74)	14 (0.55)