

# Coupling



Flexible precise coupling is a component which connects a shaft and an encoder and has flexibility.

Main features as below:

- Good rigidity for anti-torsion
- Small shaft imbalance
- To be able to absorb small shaft axial movement

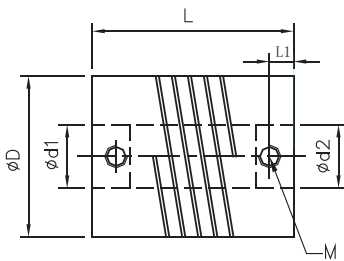
Flexible coupling also has good balance for rotation, it does not have the critical point which breaks a shaft, and there is no friction at all. Even though there is movement imbalance for the movement between shafts or the central line of one shaft does not aim at the other, the coupling also can transfer rotation perfectly. No maintenance in any form is required for this coupling because it has inside clearance, the min. allowable distance is 6.12mm between two shaft when connection.

Note: Dimension in British system for reference: A1=6.35mm A2=9.525mm A3=12.7mm

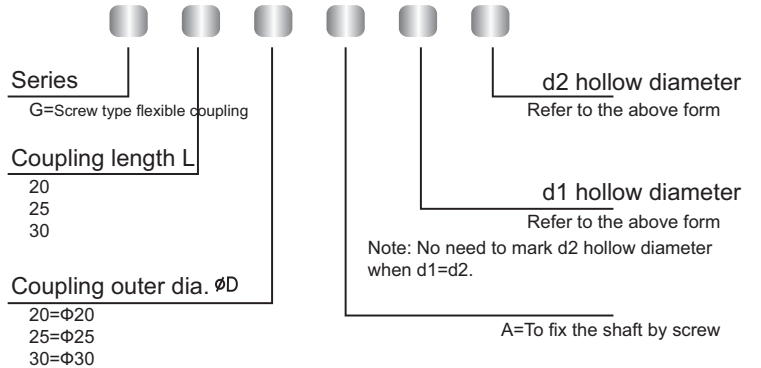
## Screw type flexible coupling

Order model	Φd1/Φd2 Shaft dia.	ΦD	L	L1	Torque	Offset angle	Max.speed	Screw (M)
G20/20A□□□□	3 4 5 6 6.35(A1)	20	20	2.55	0.8N.m	1°	8000r/min	M3
G25/25A□□□□	5 6 6.35(A1) 8 9.525(A2) 10	25	25	3.55	1.8N.m	1°	8000r/min	M4
G30/30A□□□□	6 8 9.525(A2) 10 12 12.7(A3)	30	30	4.15	2.7N.m	1°	8000r/min	M5
G38/38A□□□□	8 9.525(A2) 10 12 12.7(A3) 14 15	38	38	4.15	6.3N.m	1°	8000r/min	M5
G50/50A□□□□	12 12.7(A3) 14 15 16 18 19	50	50	5.25	19.5N.m	1°	8000r/min	M6

Dimension:



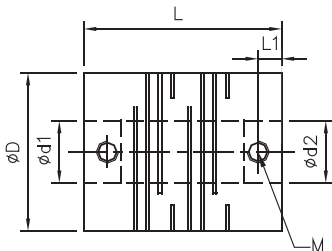
Order model: **G 30 / 30 A 6 / 8**



## Straight cut type flexible coupling

Order model	Φd1/Φd2 Shaft dia.	ΦD	L	L1	Torque	Offset angle	Max.speed	Screw (M)
L20/20A□□□□	3 4 5 6 6.35(A1)	20	20	2.55	1.2N.m	1°	8000r/min	M3
L25/25A□□□□	5 6 6.35(A1) 8 9.525(A2) 10	25	25	3.55	1.7N.m	1°	8000r/min	M4
L30/30A□□□□	6 8 9.525(A2) 10 12 12.7(A3)	30	30	4.15	2.3N.m	1°	8000r/min	M5
L38/38A□□□□	8 9.525(A2) 10 12 12.7(A3) 14 15	38	38	4.15	6.5N.m	1°	8000r/min	M5
L50/50A□□□□	12 12.7(A3) 14 15 16 18 19	50	50	5.25	12N.m	1°	8000r/min	M6

Dimension:



Order model: **L 30 / 30 A 8 / 10**

