



**SALIENT FEATURES**

Lakshmi jaw couplings with flexible insert takes care incidental angular, parallel and axial misalignment. Simple construction - easy and quick installation - No special tools required.

Absorbs shock loads and damps small amplitude vibration

Infected by moisture, grease and oils - including non-aromatic and non-ketone solvents and temperatures within the range - 40°C to + 100° C

Spacer coupling with spacer size depending upon the distance between two shaft ends (DBSE)

**Details selectoin**

1. Type of driven machine and operating hours per day.
2. Speed and power absorbed by driven machine (if absorbed power is not known, calculate on power rating of prime mover).
3. Diameter of shafts to be connected.
4. Distance between two shaft ends in case of spacer coupling.

**PROCEDURE**

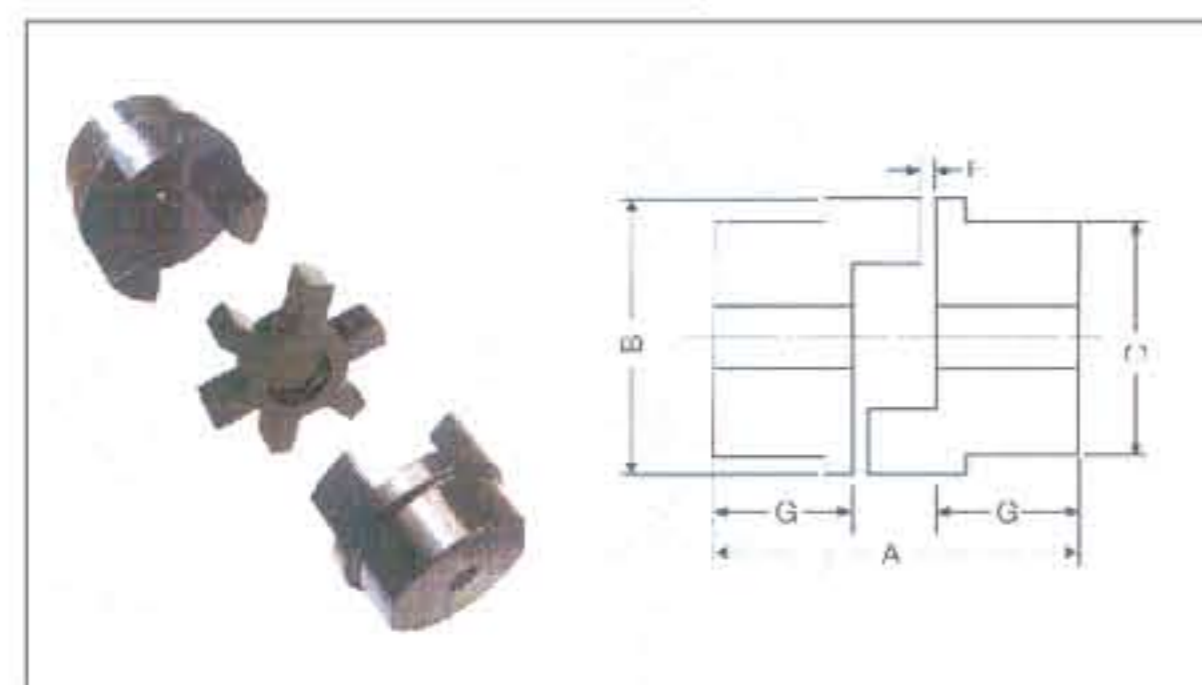
- 1) **Service Factor:** service factor from table.
- 2) **Design Power:** Multiply the normal running power by the service Factor. This gives the Design Power which is used as a basis for selecting the coupling.
- 3) **Coupling Size:** Depending upon the type of coupling required, refer to respective power rating tables. Power ratings can be **mached** in relation to speed parameters.
- d) **Bore Size** Check from the dimension table to see if bore capacity of the couplings is adequate. Otherwise select next higher size coupling.

**SERVICE FACTORS**

Type of Driven Machine	Type of Driving Unit		
	Electric Motors & Steam Turbines	Internal Combustion Engines	
		More than Six cylinders	Less than Six cylinders
<b>Uniform Load</b> Centrifugal compressors and pumps, Belt conveyors, Dynamometers, Lines hafts, Fans upto 7.5 KW, Blowers and exhausters except positive displacement, Generators Agitators, Brewing machinery	1.0	1.5	2.0
<b>Moderate Shock</b> General machine tools, Clay working machinery, Paper mill beaters and winders, Rotary pumps, Rubber extruders, Rotary screens, Textile machinery, Marine propellers and fans over 7.5 kW	1.5	2.0	2.5
<b>Heavy Shock</b> Bucket elevators, Cooling tower fans, Piston compressors and pumps, Foundry machinery, Metal presses, Paper mill calenders, Hammer mills, Presses and pulp grinders, Rubber calenders, Pulverisers and positive displacement blowers.	2.0	2.5	3.0

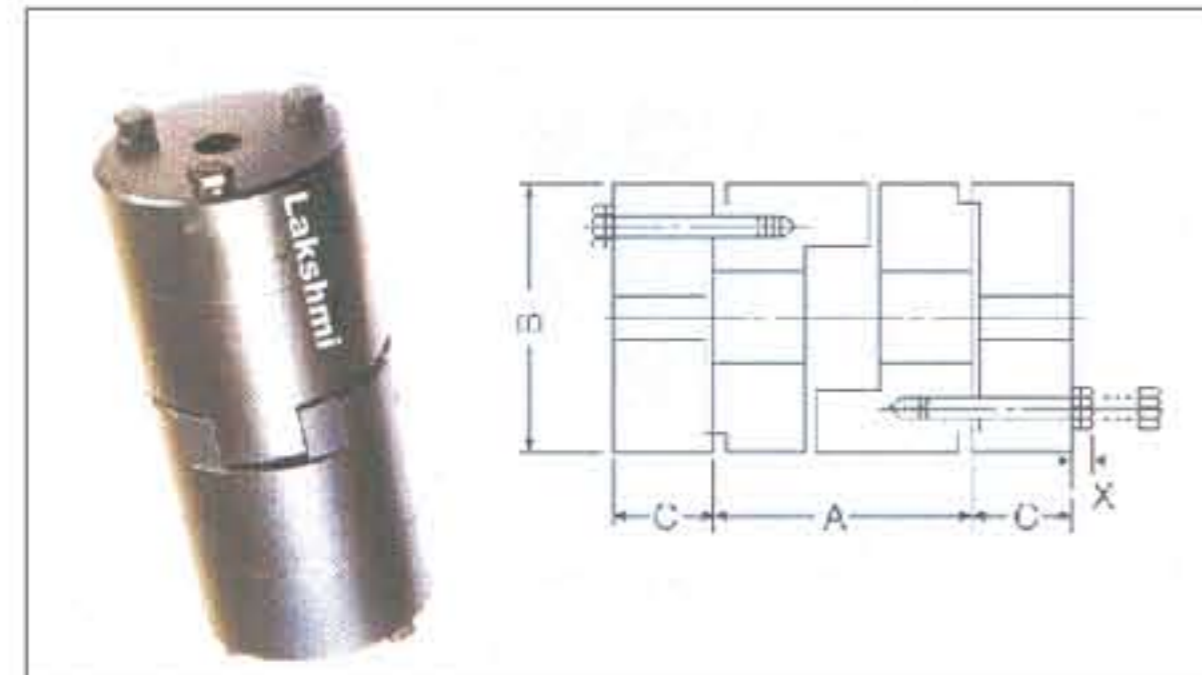


**Standard Couplings**



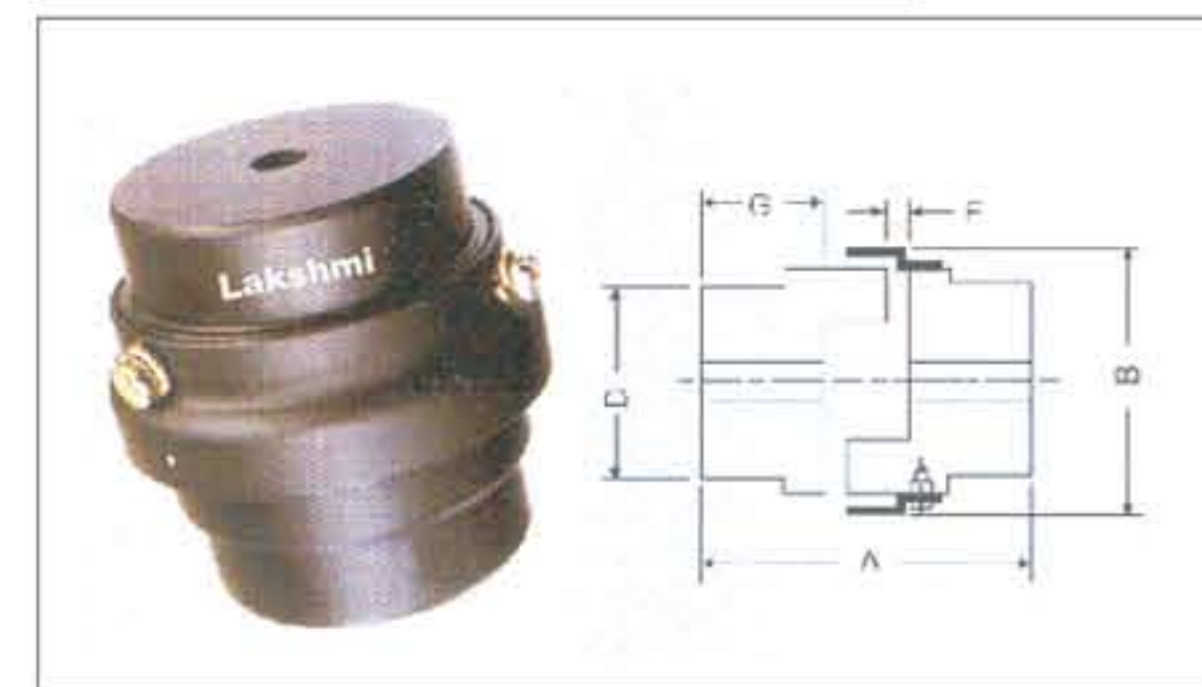
Size	Power per 100 rev/min kW	Bore in mm		Dimensions (mm)				
		Min.	Max.	A	B	D	F	G
J-095	0.20	15	28	63	54	49	2	25
J-099	0.40	20	30	72	65	51	2	27
J-100	0.52	20	38	88	65	57	2	35
J-110	0.90	20	42	108	85	76	3	43
J-150	1.52	30	48	115	96	80	3	45
J-190	2.00	36	55	133	115	102	3	54
J-225	2.76	40	60	153	127	108	3	64

**Standard Spacer Couplings**



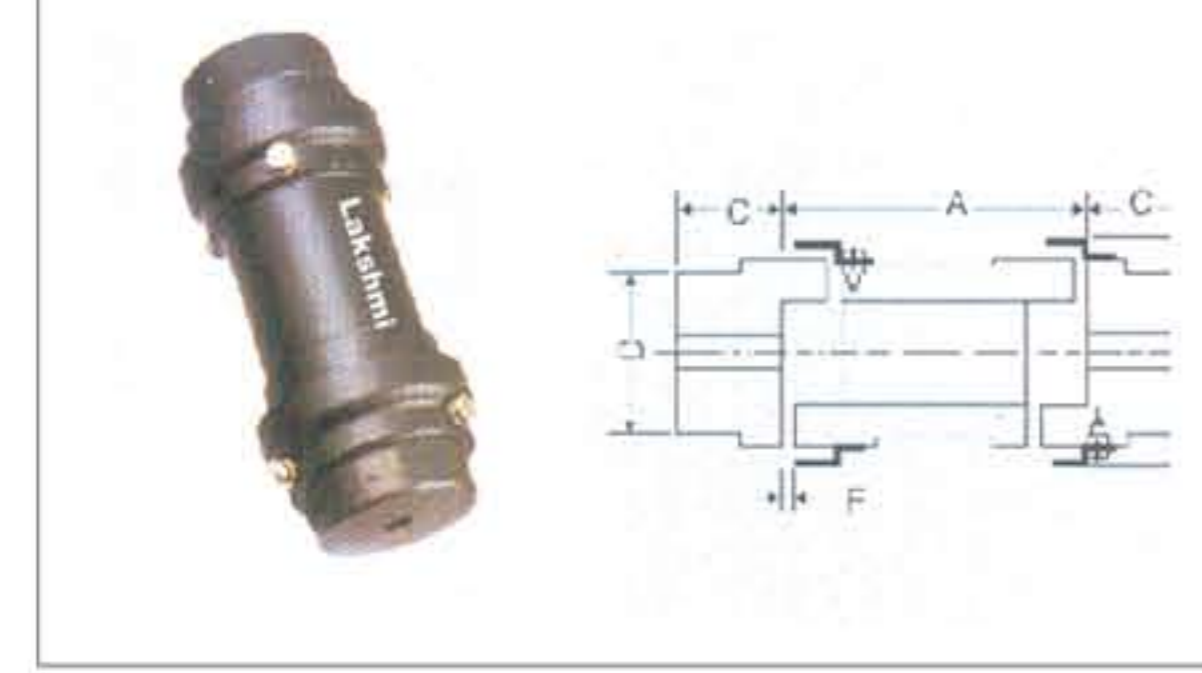
Size	Power per 100 rev/min kW	Bore in mm		Distance between shaft ends (DBSE) A	Dimensions (mm)		
		Min.	Max.		B	C	X
JRL-095	0.20	15	28	90/100	54	25	6
JRL-100	0.52	20	38	90/100/140	65	30	6
JRL-110	0.90	20	42	90/100/140	85	35	8
JRL-150	1.52	30	48	90/100/140	96	45	10
JRL-190	2.00	36	55	90/100/140	115	51	10
JRL-225	2.76	40	60	90/100/140	127	57	12

**External Spider Couplings**



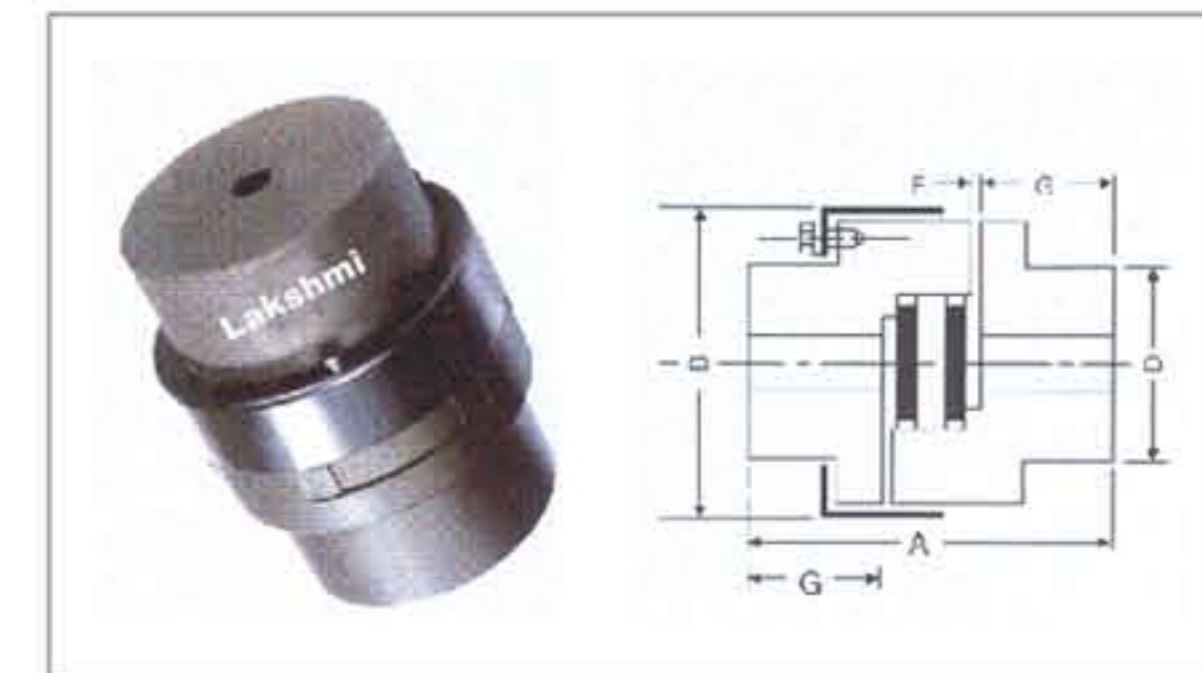
Size	Power per 100 rev/min kW	Bore in mm		Dimensions (mm)				
		Min.	Max.	A	B	D	F	G
J-095ESW	0.20	15	28	63	64	49	2	25
J-099ESW	0.38	20	30	72	77	51	2	27
J-100ESW	0.52	20	38	88	77	57	2	35
J-110ESW	0.90	20	42	108	95	76	3	43
J-150ESW	1.50	30	48	115	110	80	3	45
J-190ESW	2.00	36	55	135	128	102	3	54
J-225ESW	2.75	40	60	153	141	108	3	64

**External Spider Aluminium Spacer Couplings**



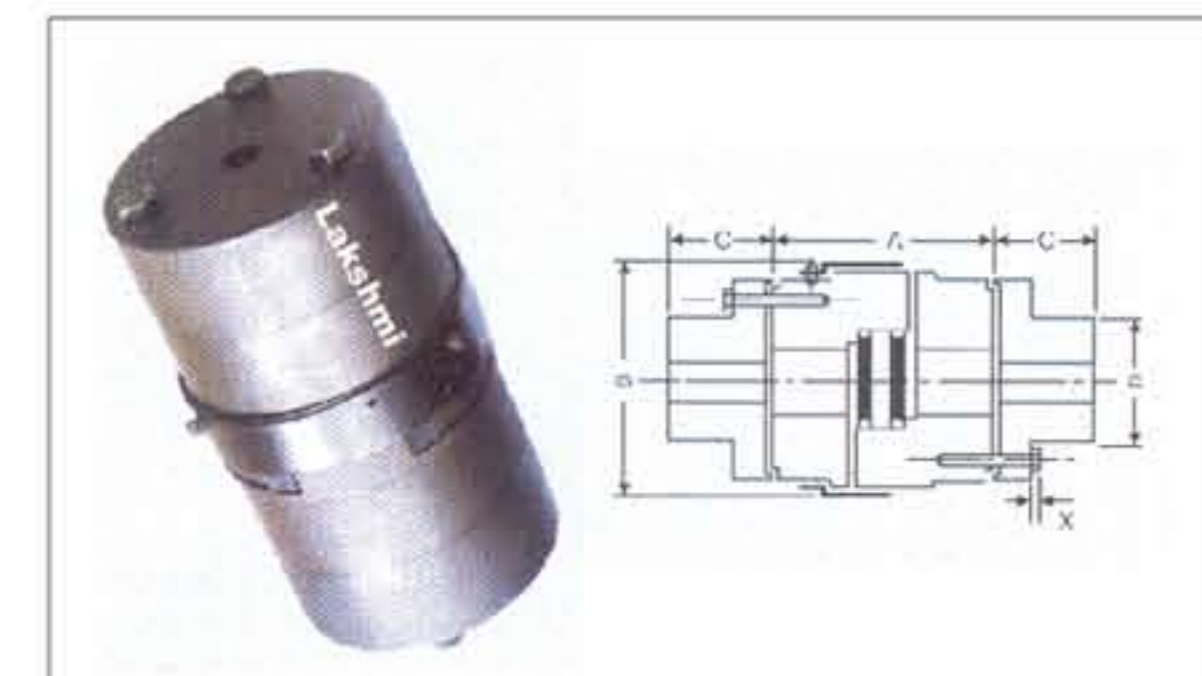
Size	Power per 100 rev/min kW	Bore in mm		Distance between shaft ends (DBSE) A	Dimensions (mm)			
		Min.	Max.		B	C	D	F
J-095SWS	0.20	15	28	90/100/140	64	25	49	2
J-100SWS	0.52	20	38	90/100/140	77	35	57	2
J-110SWS	0.90	20	42	90/100/140	95	43	76	3
J-150SWS	1.50	30	48	90/100/140	110	45	80	3
J-190SWS	2.00	36	55	90/100/140	128	54	102	3
J-225SWS	2.75	40	60	90/100/140	141	64	108	3

**Cushion Couplings**



Size	Power per 100 rev/min kW	Bore in mm		Dimensions (mm)				
		Min.	Max.	A	B	D	F	G
J-226 C	3.46	25	65	178	143	115	3	70
J-276 C	5.62	25	75	200	163	127	3	80
J-280 C	8.22	30	75	200	200	140	3	80
J-295 C	13.42	40	90	238	245	160	3	95
J-2955 C	22.42	50	100	264	245	180	3	108

**Cushion Spacer Couplings**



Size	Power per 100 rev/min kW	Bore in mm		Distance between shaft ends (DBSE) A	Dimensions (mm)			
		Min.	Max.		B	C	D	F
J-226 CS	3.46	25	65	135/140/180	145	50	134	12
J-276 CS	5.62	25	75	135/140/180	165	60	130	12
J-280 CS	8.22	30	75	135/140/180	200	60	130	14
J-295 CS	13.42	40	90	135/140/180	249	65	160	16
J-2955 CS	22.42	50	90	135/140/180	249	80	160	16

**Typical Applications**

Pumps including back - pull - out type, Conveyors, Elevators, Packaging Machinery, Food Processing Plants, Beaters and Calenders, etc.