



DEVRAJ ENGINEERING WORKS

COMPANY PROFILE

www.devrajengineeringworks.com

< ABOUT US

OUR PRODUCT



RIGID COUPLING



**FLEXIBLE GEARED
COUPLING**



B.D.W.F.G.C.A



C.S. DRUM



**BREAK DRUM
GEARED COUPLING**

Since 1997, with the introduction of the resilient grid coupling, Devraj Engineering works has been recognized as a global leader in the design and manufacture of highly-engineered industrial couplings. Devraj Engineering works reliable and safe power transmission solutions that eliminate downtime and optimize efficiency.

Devraj Engineering works can be found hard at work in a variety of key markets including power generation, metals, such as Rigid Coupling, Flexible Geared Coupling, Break Drum Geared Coupling etc.

The company has established their operation in DELHI itself and look forward to move into other strategic market with a commitment to provide a truly global company

We have experienced team of professional who work day in and out to provide the company distinct edge in the market. The main and the foremost priority of our organization is to maximize level of contentment of our honored clients by providing the superior quality product to them.

Please feel free to keep in touch with us about any of your business related requirement

◀ FLEXIBLE GEAR COUPLING

SPECIFICATION

Flexible Gear Couplings are made for extensive use in Metal Rolling Mills, Paper Machinery, Cranes, Dredgers, Rubber and Plastic Industries, Cement Plants, Conveyors and Elevators, Compressors, Fans and Blowers, Screens and other general industries.

Gear Couplings are distinguished by their mechanical flexibility and compensation of Angular, Parallel and Axial misalignments of the connected shafts.

Flexible Gear Couplings basically consist of two hubs, with crowned external teeth and two outer sleeves with internal spur teeth.

HUBS:

THE TEETH OF GEAR HUBS ARE CROWNED AND ARE GENERATED BY INVOLUTE SYSTEM. THE AMOUNT OF CROWNING AND BACKLASH VALUES ARE SO CHOSEN AS TO ENSURE THE BEST RESULTS IN TORQUE TRANSMISSION, GREATER FLEXIBILITY AND SMOOTH OPERATIONS.

SLEEVES:

THE INTERNAL TEETH OF THE SLEEVES ARE GENERATED TO ENSURE CORRECT PROFILE. THE COUPLING SLEEVES ARE JOINED TOGETHER WITH HIGH TENSILE STEEL BOLTS (CLASS 8.8 IS : 1367) FITTED USING A GASKET IN BETWEEN THEM

'O' RINGS:

THE SETTING OF SPECIAL 'O' RINGS AT THE ENDS OF COUPLING HUBS PREVENTS LEAKAGE OF LUBRICANTS AND ENTRY OF DUST. THE 'O' RINGS CAN ALSO WITHSTAND HIGH DEGREE OF TEMPERATURE UPTO 120 C

POWER RATING:

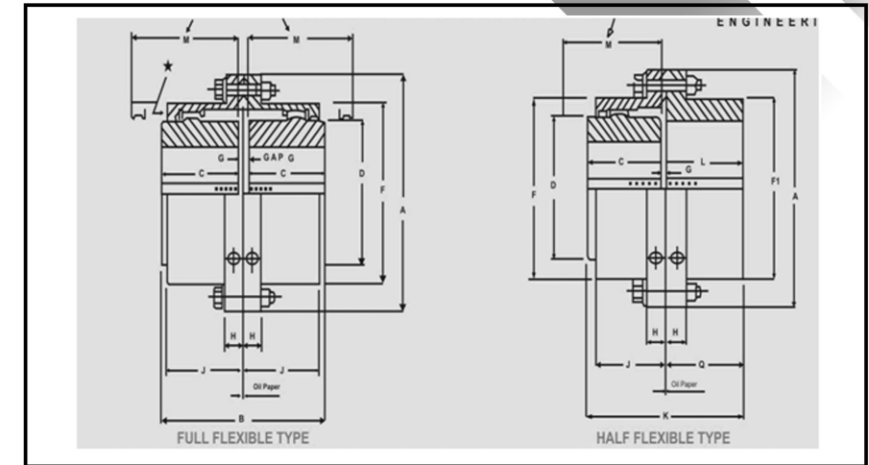
THE NORMAL POWER RATINGS ARE GIVEN IN THE TABLE. FOR SELECTION OF THE CORRECT SIZE OF COUPLINGS, PROPER SERVICE FACTOR DEPENDING ON THE TYPE OF MACHINES AND THE PEAK LOAD SHOULD BE CONSIDERED.

LUBRICATION :

THE COUPLING MUST BE FILLED WITH GREASE OR OIL. IT IS RECOMMENDED TO USE GREASE WHERE THE MAXIMUM TEMPERATURE IS WITHIN 80 C AND FOR TEMPERATURE ABOVE 80 C, OIL SHOULD BE USED. WHEN USING GREASE IT IS SUGGESTED TO FILL THE COUPLING COMPLETELY WITH LITHIUM BASED GREASE WITH EP ADDITIVES

Recommendation for Grease & Oil: O Grease : Oil : Indian Oil - Servogem EP 1 or equivalent. Indian Oil - Servomesh

Flexible geared coupling is suitable for overcoming the following type of misalignment: Our range of flexible geared couplings hubs WE make make coupling are machine from EN-9 steel forging to does tolerances for accurate alignment and proper balance.



GEAR COUPLING GNO.	BORE	A	C	D	F	M	G	H	J	B	MAX. TORQUE KG. M	HP CAPAACITY AT 100 R.P.M	WR ² KGM ²
100	10-30	120	45	50	75	55	1.5	15	39.5	93	50	7	0.03
101	20-40	170	55	65	110	65	2.5	17	49	115	100	14	0.14
102	30-55	185	70	85	125	80	2.5	17	62	145	250	35	0.20
103	40-70	220	85	105	150	105	2.5	20	78	175	450	63	0.48
104	50-85	250	105	130	175	125	2.5	20	96	215	850	119	0.95
105	60-105	290	110	155	200	140	5	25	106	230	1300	182	1.90
106	75-120	320	125	175	230	155	5	25	117	260	2000	280	3.00
107	90-130	350	140	205	260	175	5	25	134	290	3500	490	5.25
108	105-150	380	155	230	290	190	5	25	147	320	4500	630	8.50
109	125-170	430	165	250	330	205	5	25	156	340	5600	784	15.00

GEAR COUPLING GNO.	BORE	A	C	D	F	M	G	H	K	Q	F1	MAX. TORQUE KG. M	HP CAPAACITY AT 100 R.P.M	WR ² KGM ²
100	10-50	120	45	50	75	55	1.5	15	93	46.5	70	50	7	0.03
101	20-60	170	55	65	110	65	2.5	17	115	57.5	85	100	14	0.15
102	30-75	185	70	85	125	80	2.5	17	145	72.5	110	250	35	0.24
103	40-90	220	85	105	150	105	2.5	20	175	87.5	130	450	63	0.51
104	50-110	250	105	130	175	125	2.5	20	215	107.5	160	850	119	1.0
105	60-130	290	110	155	200	140	5	25	230	115	185	1300	182	2.0
106	75-150	320	125	175	230	155	5	25	260	130	215	2000	280	3.3
107	90-170	350	140	205	260	175	5	25	290	145	240	3500	490	5.8
108	105-200	380	155	230	290	190	5	25	320	160	285	4500	630	9.5
109	125-220	430	165	250	330	205	5	25	340	170	315	5600	784	16.8

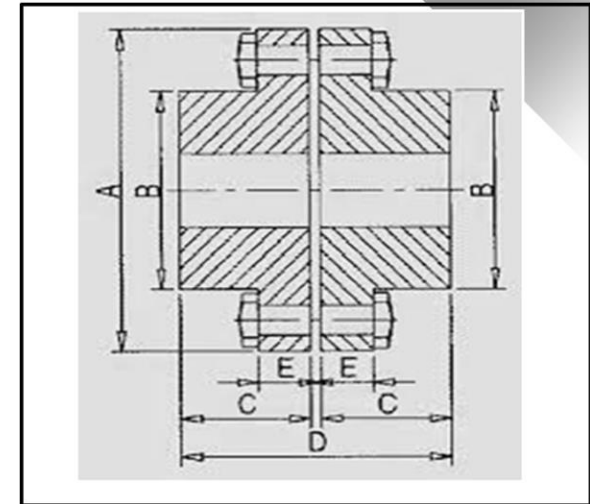
< RIGID COUPLING

SPECIFICATION

RIGID couplings provide a solid connection between two shafts, high precision and torque, but without misalignment absorption capabilities; it allows no movement between the two shafts and they require lubrication in many times. They cannot absorb vibrations, both shafts should be perfectly aligned to ensure a **good performance and avoid damping transmission and possible breaks in the installation.**

A **rigid coupling** permits neither axial nor radial relative motion between the shafts of the driver and driven unit. When the two shafts are connected solidly and properly, they operate as a single shaft. A rigid coupling is primarily used for vertical applications, e.g., vertical pump.

We make make coupling are machine from EN-9 steel forging to does tolerances for accurate alignment and proper balance to provide good quality.

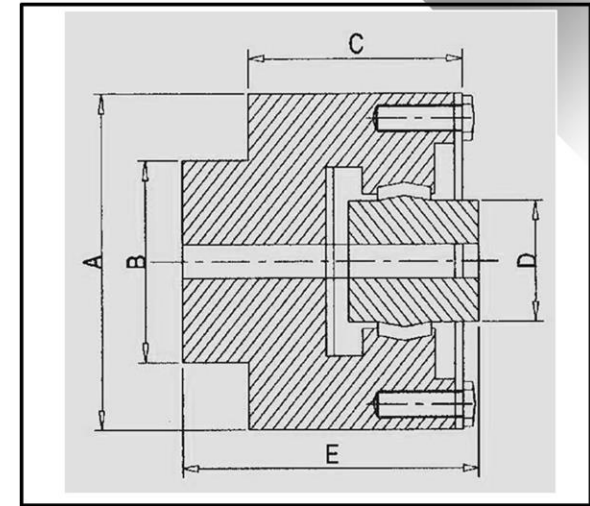


COUPLING SIZE	BORE	A	B	C	D	E	MAX RPM
100	10-15	120	70	46.5	93	15	8000
101	20-60	170	85	57.5	115	17	6300
102	30-75	185	110	72.5	145	17	5000
103	40-90	220	130	87.5	175	20	4000
104	50-110	250	160	107.5	215	20	3350
105	60-130	290	185	115	230	25	2800
106	75-150	320	215	130	260	25	2800
107	90-170	350	240	145	290	25	2100
108	105-200	380	285	160	320	25	1900
109	125-220	430	315	170	340	25	1700
110	140-260	490	370	185	370	25	1400

◀ BREAK DRUM GEARED COUPLING

SPECIFICATION

- These brake drum couplings are used for connecting the motor and the gearbox shaft or the gearbox and the machine shaft.
- The brake is properly fitted on a brake drum.
- The brake couplings are designed in the form of pin-bush and has got two parts, the flange and the brake drum
- These components serve the dual purpose of a coupling as well as a brake drum
- These products stand out for their robust design and long lifespan

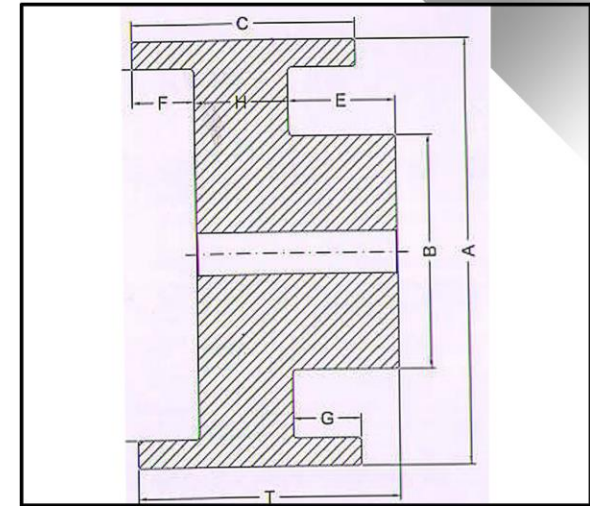


DRUM SIZE	BORE	A	B	C	D	E	TORQUE	MAX RPM
4"	15-40	100	80	70	65	103	8000	102
5.5"	15-45	140	80	90	70	130	6300	115
6"	15-45	150	80	90	70	130	6300	115
7"	20-55	175	90	95	85	140	5000	117
8"	20-70	200	120	95	120	143	4000	110
10"	25-80	250	130	120	125	130	3350	115

< C.S DRUM

SPECIFICATION

- These brake drum couplings are used for connecting the motor and the gearbox shaft or the gearbox and the machine shaft.
- The brake is properly fitted on a brake drum.
- The brake couplings are designed in the form of pin-bush and has got two parts, the flange and the brake drum
- These components serve the dual purpose of a coupling as well as a brake drum
- These products stand out for their robust design and long lifespan



DRUM SIZE	A	B	C	D	E	F	G	H	T
100	100	70	82	80		45		37	102
140	140	60	80	120	70	30	35	15	115
150	150	68	80	130	70	30	35	15	115
160	160	72	95	138	60	42	38	15	117
175	175	80	100	152	52	43	42	15	110
200	200	110	100	177	53	45	38	17	115
250	250	100	125	220	70	58	50	17	145
300	300	125	150	265	65	80	50	20	165
400	400	150	180	370	106	80	80	20	206
500	500	180	225	460	106	120	80	25	251

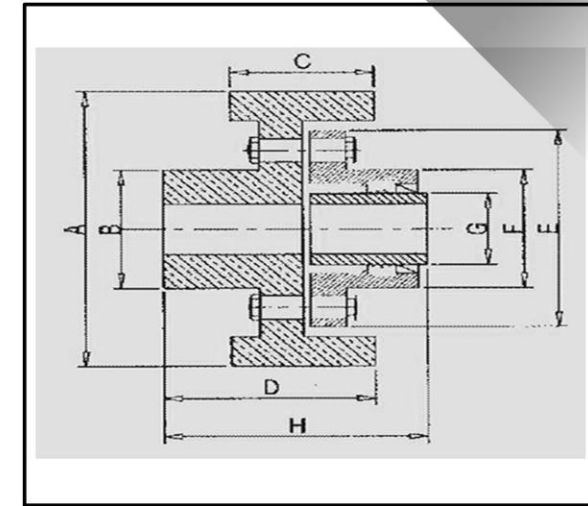
BREAK DRUM WITH FLEXIBLE GEARED COUPLING

SPECIFICATION

We offer an array of brake drum couplings that is manufactured using qualitative raw material sourced from reliable vendors. Our brake drum couplings are made from finest quality materials such as cast iron, alloy steel, stainless steel, mild steel and many more materials.

Brake Drum couplings provide twofold point of flexible coupling as well as provided that brakedrum for increasing brake within the same space. The coupling can be used with all kinds of brakes with shoes; Electromagnetic, Thruster, Band etc. the material of the couplings is high grade Cast Iron / Carbon Steel.

These brake drum couplings find extensive application in diverse industries. Our brake drum couplings are available in various technical specifications. We also offer brake drum couplings as per clients' requirements and specifications.



DRUM SIZE	BORE	A	B	C	D	E	F	G	H	TORQUE	MAX RPM
150	15-30	15	60	78	113	120	75	50	128	50	8000
160	15-30	160	60	85	110	120	75	50	110	50	8000
200	20-45	200	80	96	110	170	110	65	124	100	6300
250	20-45	250	80	110	165	170	110	65	154	100	6300
250	20-55	250	80	120	165	175	125	85	169	250	5000
300	30-70	300	96	150	165	220	150	105	175	450	4000
300	40-85	300	96	150	165	250	175	130	195	850	3350
400	40-85	400	150	180	206	250	175	130	230	850	3350
400	40-105	400	150	180	210	290	200	155	235	1300	2800
500	50-120	500	200	225	256	320	230	175	265	2000	2500



COMPANY ESTABLISHED IN 1997

< CONTACT US



C-195 ,PHASE 2 ,MAYAPURI INDUSTRIAL ARE ,NEW DELHI -110064 /
D-8,BE-BLOCK, RAMPURA HARINAGAR,NEW DELHI-110064



24/7 SUPPORT
8826116626 - 9818412273



INFODEVRAJENG@GMAIL.COM



WWW.DEVRAJENGINEERINGWORKS.COM/