

RIGID FLANGE COUPLING

Diamond Engineering Works, is a leading manufacturer of various type of power transmitting couplings. With a passion for excellence and a penchant for innovation, we have been able to offer exemplary range of products that are equivalent to ISI standards. Our strong infrastructure, adept workforce and competent management have enabled us to successfully execute each of our endeavors, and retain our customers.

We are prominent manufacturer of Rigid Type Flange Couplings. The Coupling Flanges are casted from high grade casting which are joined together with high tensile bolts. These coupling are used to transmit power from one shaft to another thru flanges. Following are other different types of flexible couplings we manufacture:

1. Star Couplings & Spacer Coupling	3. Gear Tooth Couplings – Half & Full	5. M.S. Brake Drum Couplings
2. Flexible Pin Bush Type Couplings	4. Tyre Couplings	6. M.S. Chain Couplings

Rigid Flange Couplings – Type DRC

A Rigid Flange coupling is used to transmit power from one shaft to another shaft where misalignment is neither present nor desired. In simple words it can not accommodate any type of misalignment. This is one of simplest form of rigid coupling where two identical flanges are joined together thru high tensile bolts. The power is transmitted by virtue of flanges, key and keyway. A spigot and recess is provided in the flanges to maintain location between them. The flanges are connected firmly by means of fitted bolts which are tightened accordingly to the torque to be transmitted. Rigid Flange Couplings are widely used where power to be transmitted or driver shaft and driven shaft are in line or coaxial to each other.

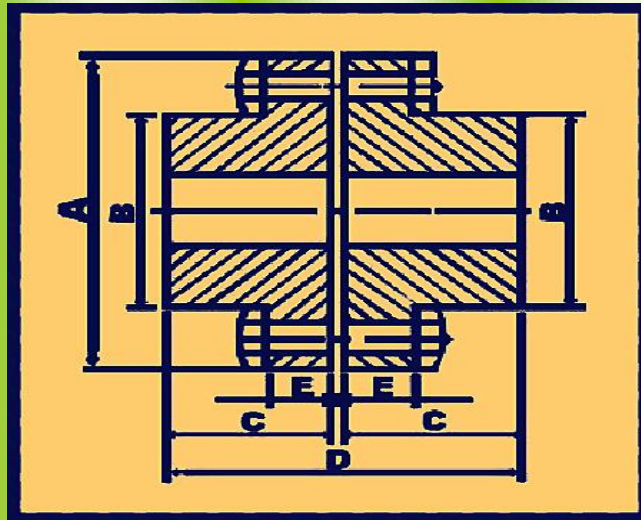
These types of couplings are made in different material like Cast Iron, Carbon Steel, Aluminum, Stainless Steel etc.



Features:

- 1) Heavy in construction
- 2) Easy to Assemble or Dis-assemble
- 3) No lubrication or moving parts
- 4) Suitable for high RPM power transmission due to their higher torque carrying nature.
- 5) Noiseless working.
- 6) Also used for vertical application.
- 7) Available in Through Bore & Stepped Bore

TABLE – MODEL NUMBER AND DIMENSIONS FOR RIGID FLANGE TYPE COUPLING



COUPLING NUMBER	Bore Min	Bore Max	Ø A	Ø B	Ø C	Ø D	E	Weight In Kg	RPM
DRC 100	10	50	120	70	46.5	93	15	4	8000
DRC 101	20	60	170	85	57.5	115	17	11	6300
DRC 102	30	75	185	110	72.5	145	17	15	5000
DRC 103	40	90	220	130	87.5	175	20	26	4000
DRC 104	50	110	250	160	107.5	215	20	40	3350
DRC 105	60	130	290	185	115	230	25	62	2800
DRC 106	75	150	320	215	130	260	25	86	2800
DRC 107	90	170	350	240	145	290	25	110	2100
DRC 108	105	200	380	285	160	320	25	140	1900
DRC 109	125	220	430	315	170	340	25	200	1700
DRC 110	140	260	490	370	185	370	25	270	1400

We also manufacture following type of couplings



ALL TYPES OF COUPLINGS

Manufactured & Marketed by :



diamond ENGINEERING WORKS

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