

WICHITA CLUTCH



Drum Clutch and Brake Catalogue

 **Wichita**
Clutch

The Power of Experience

Wichita Drum Clutches and Brakes

Based on over 50 years experience in providing solutions to demanding power transmission challenges worldwide, we are proud to offer our customers a range of replacement elements and spares for drum type clutches and brakes. Backed by the Wichita name and our 2 year guarantee, these elements are directly interchangeable with all of the popular drum elements currently in service.



Wichita DC Drum Elements

The DC range of constricting drum clutch and brake is commonly found throughout all industries in general power transmission duties. Constructed using an integral rim and tube actuator and with low inertia and high misalignment capacity, the DC range offers the simplest solution to less arduous clutch and brake requirements. Along with the standard single flange mounted unit, a full range of options to suit your existing application is available. Dual flanges for back to back mounting giving double torque capacity. Multiple air inlets for increased response speed. Split construction to avoid removal of shafts on in-line drives. Whether you require just the friction shoes and mounting pins, or a complete actuator and rim assembly, all are backed by the Wichita name for service and reliability.

DC Specifications

Size	Torque at 75psi and 100 RPM		Max RPM	Dimensions			
	LBs/IN	NM		Overall Width		Flange Diameter	
				(inch)	(mm)	(inch)	(mm)
DC-6-200	2040	231	1800	2.94	74.63	10.75	273.10
DC-8-250	4290	485	1800	3.44	87.33	12.88	327.03
DC-10-300	8150	921	1800	4.13	104.78	15.37	390.47
DC-14-400	19700	2226	1800	5.22	132.56	19.63	498.48
DC-16-500	35200	3977	1540	6.63	168.28	23.50	596.90
DC18-500	44000	4972	1400	6.63	168.28	25.50	647.70
DC-20-500	53600	6056	1300	6.63	168.28	27.50	698.50
DC-22-500	62300	7040	1220	6.63	168.28	29.50	749.30
DC-24-500	75000	8475	1200	6.63	168.28	31.50	800.10
DC-26-525	92400	10441	1050	6.94	176.23	34.00	863.60
DC-28-525	106000	11977	1000	6.94	176.23	36.00	914.40
DC-30-525	121000	13672	950	6.94	176.23	38.00	965.20
DC-40-525	211000	23842	740	6.94	176.23	48.63	1235.08

If the size unit you are looking for is not shown in this leaflet. Please ask your Wichita support Office about availability.

Wichita DCV Drum Elements

DCV units have the same versatility as the DC range, but are modified to give enhanced torque and cooling capacity for more demanding applications. In the DCV, the friction material is mounted on a ventilated carrier shoe supported by end plates. Whilst making the unit more complex and expensive initially, it does mean that all components, including the airtube, can be replaced individually. As with the DC units a full range of options is available. Dual flanges for back to back mounting giving double torque capacity. Multiple air inlets for increased response speed. Split construction to avoid removal of shafts on in-line drives.

DCV Specifications

Size	Torque at 75psi and 100 RPM		Max RPM	Dimensions			
	LBs/IN	NM		Overall Width		Flange Diameter	
				(inch)	(mm)	(inch)	(mm)
DCV-11-5-500	27000	3051	1800	6.13	155.58	19.63	498.48
DCV-14-500	39200	4429	1500	6.13	155.58	23.50	596.90
DCV-16-600	65000	7345	1400	7.38	187.33	25.50	647.70
DCV-20-600	93000	10508	1200	7.38	187.33	29.50	749.30
DCV-24-650	135000	15254	1050	7.69	195.28	34.00	863.60
DCV-28-650	182000	20565	1000	7.69	195.28	38.00	965.20
DCV-42-650	380000	42938	800	7.69	195.28	53.63	1362.08
DCV-14-1000	85000	9605.	1800	11.56	293.70	23.50	596.90
DCV-16-1000	114000	12881	1400	11.56	293.70	25.50	647.70
DCV-20-1000	161000	18192	1300	11.56	293.70	29.50	749.30
DCV-24-1000	219000	24746	1250	11.56	293.70	34.00	863.60
DCV-28-1000	296000	33446	1100	11.56	293.70	38.00	965.20
DCV-32-1000	415000	46893	1050	11.63	295.28	43.88	1114.43
DCV-38-1200	680000	76836	740	13.75	349.25	49.38	1254.13
DCV-42-1200	819000	92542	670	13.75	349.25	53.63	1362.08
DCV-46-1200	950000	107345	600	13.75	349.25	60.25	1530.35
DCV-52-1200	1215000	137288	550	14.25	361.95	67.00	1701.80



DCV Units and Components



DCV Units and Components

DC & DCV Part Numbering

When ordering, your local Wichita support office will ask you to specify the following information which is then used to build up a part number to match your specific requirements.

DCV 22 5.00 2 2 B C

Type _____ ↑

Diameter of Drum in inches (Friction pads drive on) _____ ↑

Width of friction material in inches (Last 2 digits behind decimal) _____ ↑

No of flanges _____ ↑

No of flanges drilled (For mounting bolts) _____ ↑

No and configuration of air inlets _____ ↑

A Single side connection

B 2 side connections

C 4 side connections

D One quick exhaust valve

E 2 Qevs

G 4 Qevs

H One inlet no side connections

J 2 inlets no side connections

K 4 inlets no side connections

L 4 inlets no side connections

Other options

I Single mount One piece rim Standard friction material

A Single mount One piece rim Hi Coefficient friction material

B Dual mount One piece rim Standard friction material

C Dual mount One piece rim Hi Coefficient friction material

D Dual mount One single flange One piece rim Std friction material

E Single mount Split rim Standard friction material

G Dual mount One piece rim Standard friction material One side connection

H Single mount One piece rim Single slotted rim Standard friction material

J As I with solid side plate

K As B with solid side plate

M As I with extended side plate and bolting block

Q As I with special side plate

R As I with extended side plate

Worldwide distributors

Worldwide support and distribution

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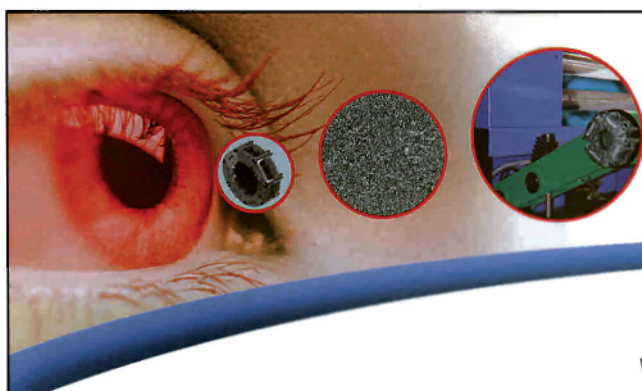
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see www.wichita.co.uk

Wichita Clutches, Brakes and Controls are designed for a wide range of Industrial, Mining and Marine applications from smooth tension control of unwinding machinery to heavy-duty startup drives

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 **Wichita**
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The Power of Experience