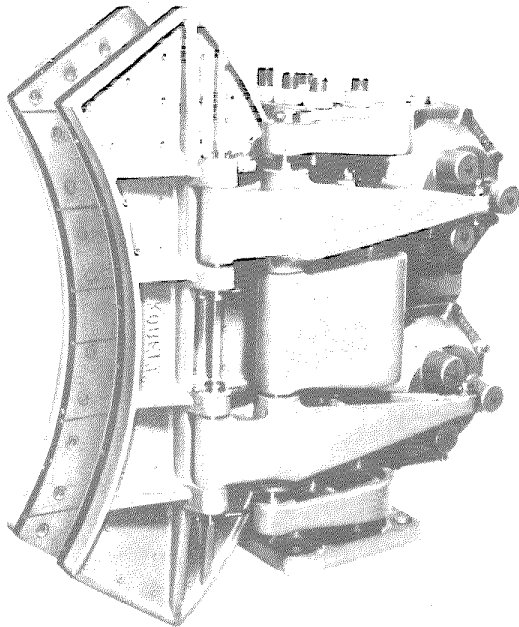


**AIR APPLIED DISC BRAKES
CALIPER No. 5040
INDUSTRIAL BRAKE**



CALIPER

Total normal force	52,560 lb (23,890 Kg)
Total shoe area	320 in ² (2064 cm ²)
Allowable shoe wear	0.56 in (14 mm)
Maximum air pressure	100 psi (7.03 Kg/cm ²)
Maximum power input	768 hp (572.3 Kw)
Assembly weight	570 lb (259 Kg)

DESCRIPTION

The air applied model 5040 is a pneumatically operated caliper requiring only an air supply and a pressure regulator. The pressure regulator can be adjusted to provide the customer with the desired torque or stopping characteristics. Two air-on actuators consisting of a double diaphragm system provide an equal force to each brake shoe when an air pressure is applied. The action of compression springs return the caliper to the "brake-off" position when the air pressure is shut off.

Caliper 5040 is also available in a mechanically applied model. A 5400 lb. pulling force is required to drive a wedge between the two brake arm levers thereby applying the brake.

Both types employ the balancing link which ensures equal wear on both linings.

DISC — 4" (102 mm)

	42.5 (1079)	48.5 (1232)	54.5 (1384)	60.5 (1537)	72.0 (1829)	84.0 (2134)	96.0 (2438)
Disc Dia. In. mm							
Acting Rad. Ft. mm	1.33 (405)	1.58 (482)	1.83 (558)	2.08 (634)	2.54 (774)	3.04 (927)	3.54 (1079)
Max. RPM	1300	1100	1000	900	700	600	500
*HP — Sec. (Kw — Hr.)	54,000 (671.3)	69,000 (857.7)	78,000 (969.6)	86,000 (1069.0)	128,000 (1591.1)	163,000 (2026.2)	200,000 (2486.1)

**KOBELT BRAKES ARE PROTECTED
UNDER ONE OR MORE
OF THE FOLLOWING PATENTS:**

U.S. PATENT Nos.	CAN. PATENT Nos.
3722636	895693
3815471	922603
4013148	1069066
4060153	1072025
4164993	
4121697	
4108285	
4236608	

NOTE:

Specifications in metric units shown in parentheses.

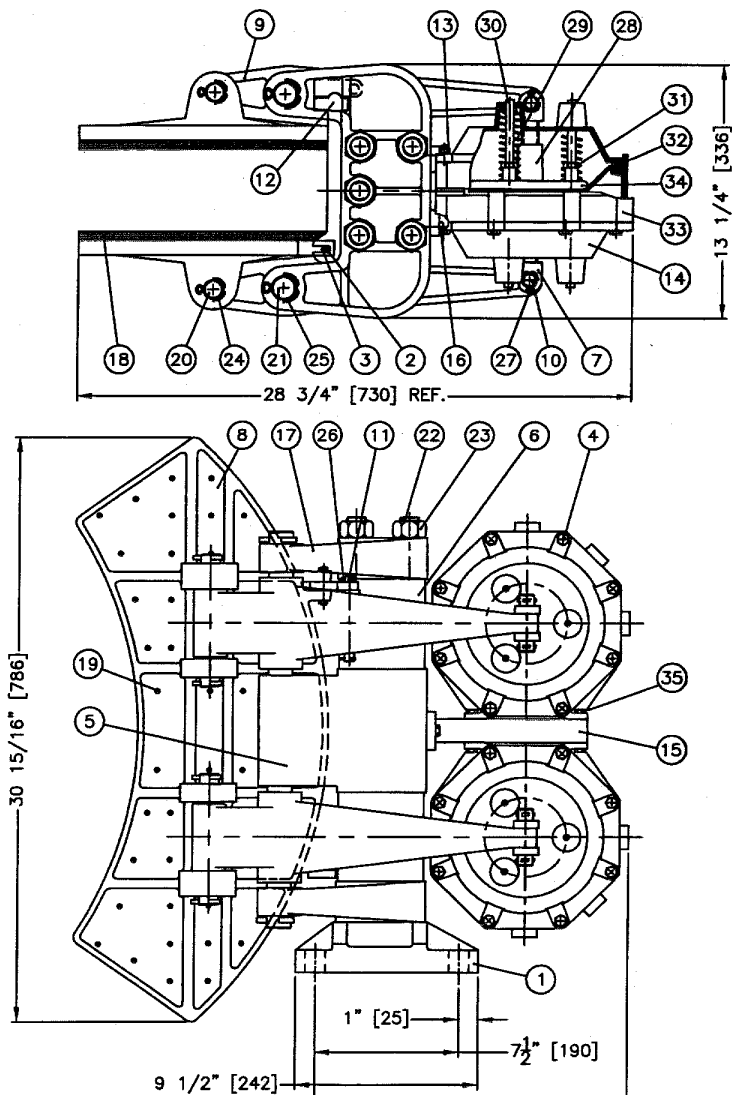
*Figures are based on a continuous application of braking force. Allowable values will be higher for one-stop applications where disc is allowed to cool between uses.

For more detailed technical information refer to Kobelt's General Engineering section on disc brakes.

FURTHER PATENTS PENDING.

DIMENSION AND PARTS

5040



Item	Qty	Part No.	Description
1	1	5040-0001	Mounting foot
2	2	5040-0037	Balance link pin no. 1
3	4	1026-0510	Cotter pin
4	16	1001-1296	Hex head capscrew
5	1	5040-0005	Saddle centre
6	2	5040-0006	Saddle spacer
7	4	5040-0007	Clevis
8	2	5040-0008	Brake shoe
9	4	5040-0009	Lever
10	4	1035-1240	Pot pin
11	2	1035-0880	Balancing link pin no. 2
12	2	5040-0012	Balancing link
13	16	1022-0112	Nut
14	4	5040-0014	End cap
15	1	5040-0015	Actuator mounting bracket
16	2	1001-1116	Hex head capscrew
17	2	5040-0017	Saddle end
18	2	5040-0018	Lining
19	104	1033-1012	Rivet
20	4	1035-16104	Shoe pin
21	2	1035-20336	Lever pivot pin
22	5	5040-0022	Tie rod
23	5	1022-0123	Nut
24	8	1026-1032	Cotter pin
25	4	1026-1140	Cotter pin
26	4	1026-0516	Cotter pin
27	8	1026-0824	Cotter pin
28	4	5040-0028	Push rod
29	12	1201-0059	Spring
30	12	5040-0030	Spring guide rod
31	12	1022-0311	Locknut
32	4	1105-0036	Diaphragm
33	2	5040-0033	Centre Housing
34	4	5040-0027	Piston
35	8	1001-1116	Hex head capscrew

ALL DIMENSIONS IN INCHES (MM)

Note: All data on this brake selection sheet are for reference and estimating purposes only. To ensure against the danger of brake misapplication, the Customer is urged to fill out the Customer Application Data sheet and include it with each enquiry