

Features

DESCRIPTION

This series offers a black rubber tyre (85 shore A ± 3) on a zinc plated steel centre which is available with plain, roller bearing or ball bearing bore.

The wheel can be fitted in the following standard duty-NL castor housing:

- Top plate swivel, fixed and swivel with foot brake.
- Large top plate swivel, fixed and swivel with foot brake.
- Bolt hole swivel and bolt hole swivel with foot brake.
- Top plate swivel with central lever brake.
- Top plate swivel with central pedal brake.

RECOMMENDED USES

This wheel type is recommended for standard loads.

CARRYING CAPACITY

65Kg - 390Kg

DIAMETER

80mm - 280mm

WORKING ENVIRONMENT

- Manual handling applications.
- Suitable for use on compact floors e.g. cement, stone tiles, metallic, epoxy resins etc.
- Suitable for humid environments and outdoor use.
- Not recommended for use with organic solvents, chlorinated substances, hydrocarbons and mineral oils.

TEMPERATURE

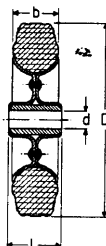
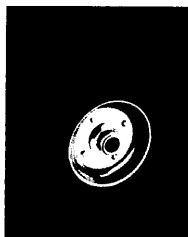
-20°C to +60°C

SPECIFICATION

In accordance with ISO 2175. Defines castor and/or wheel application appropriate with environmental conditions - load, speed of use, temperature, floor condition and cycle time. For further advice and details please consult your supplier as it is sometimes necessary to select a wheel or castor with a specification several times greater than conditions appear to warrant, in order to achieve a particular performance criteria.

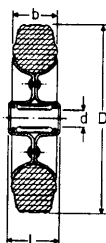
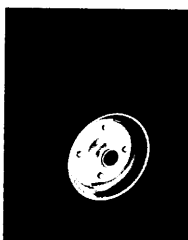
Wheels

PLAIN BORE WHEEL WITH NYLON BUSH



Wheel diameter Tread width	Bore	Hub length	Static capacity	Rolling resistance	Carrying capacity	Plain Bearing Plate	
						Unit weight	Code No.
D b	d	L	Kg	Kg	Kg	Kg	53
80 25	12	34	260	50	65	0.172	1101
100 30	12	34	300	75	80	0.281	1102
125 375	15	44	330	85	130	0.513	1103
140 375	15	44	340	95	150	0.613	1104
150 40	15	44	350	100	170	0.727	1111
160 40	20	58	370	120	180	1.002	1110
180 45	20	58	390	130	200	1.270	1105
200 50	20	58	410	140	230	1.620	1106
200 50	25	58	410	140	230	1.610	1206
225 50	20	58	420	160	250	1.986	1107
250 60	25	73	500	175	300	3.310	1108
280 60	25	73	550	200	390	4.097	1109

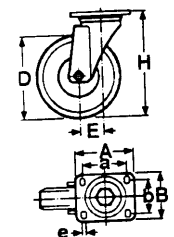
ROLLER BEARING WHEEL



Wheel diameter Tread width	Bore	Hub length	Static capacity	Rolling resistance	Carrying capacity	Roller Bearing Robe	
						Unit weight	Code No.
D b	d	L	Kg	Kg	Kg	Kg	53
80 25	12	34	260	50	65	0.187	3101
100 30	12	34	300	75	80	0.308	3102
125 375	15	44	330	85	130	0.543	3103
140 375	15	44	340	95	150	0.640	3104
150 40	15	44	350	100	170	0.755	3111
160 40	20	58	370	120	180	1.064	3110
180 45	20	58	390	130	200	1.336	3105
200 50	20	58	410	140	230	1.680	3106
200 50	25	58	410	140	230	1.650	3206
225 50	20	58	420	160	250	2.250	3107
250 60	25	73	500	175	300	3.209	3108
280 60	25	73	550	200	390	4.017	3109

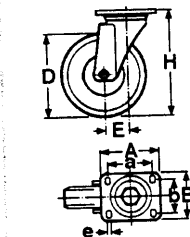
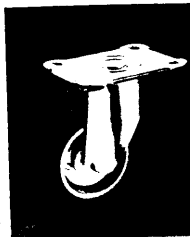
Series 53 BLACK RUBBER TYRED WHEELS WITH ZINC PLATED STEEL CENTRE **Standard Duty Large Top Plate**

SWIVEL CASTOR



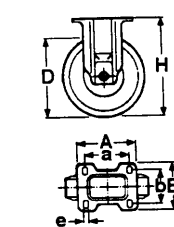
Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Offset F	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
							Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
80 25	107	100x85	80x60	9	36	65	0.700	5001	0.715	5101
100 30	128	100x85	80x60	9	40	80	0.800	5002	0.827	5102
125 37.5	156	100x85	80x60	9	46	130	1.155	5003	1.185	5103
140 37.5	176	100x85	80x60	9	46	150	1.308	5004	1.335	5104
150 40	182	100x85	80x60	9	46	170	1.422	5011	1.450	5111
160 40	187	100x85	80x60	9	50	180	1.684	5012	1.746	5112
180 45	217	140x110	105x80	11	56	200	2.649	5005	2.715	5105
200 50	240	140x110	105x80	11	56	230	3.027	5006	3.087	5106
225 50	263	140x110	105x80	11	56	250	3.492	5007	3.757	5107
250 60	296	200x160	160x120	14	86	300	6.735	4708	6.634	4908
280 60	311	200x160	160x120	14	86	390	7.522	4709	7.444	4909

SWIVEL CASTOR



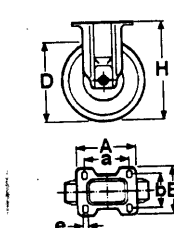
Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Offset F	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
							Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
125 37.5	157	140x110	105x80	11	46	130	1.354	6313	1.384	7503
140 37.5	176	140x110	105x80	11	46	150	1.483	6314	1.510	7504
150 40	182	140x110	105x80	11	46	170	1.597	6321	1.625	7511

FIXED CASTOR



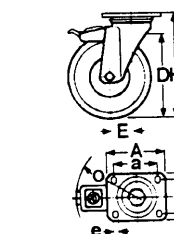
Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
						Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
80 25	107	100x85	80x60	9	65	0.422	5701	0.437	5901
100 30	128	100x85	80x60	9	80	0.546	5702	0.573	5902
125 37.5	156	100x85	80x60	9	130	0.808	5703	0.838	5903
140 37.5	176	100x85	80x60	9	150	0.928	5704	0.955	5904
150 40	182	100x85	80x60	9	170	1.042	5711	1.070	5911
160 40	187	100x85	80x60	9	180	1.482	5712	1.544	5912
180 45	217	140x110	105x80	11	180	2.002	5710	2.064	5910
200 50	240	140x110	105x80	11	200	2.360	5705	2.426	5905
225 50	263	140x110	105x80	11	230	2.710	5706	2.870	5906
250 60	296	200x160	160x120	14	300	5.232	5708	5.131	5908
280 60	311	200x160	160x120	14	390	6.019	5709	5.939	5909

FIXED CASTOR



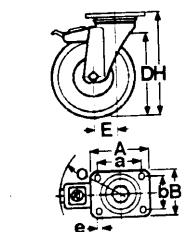
Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
						Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
125 37.5	157	135x110	105x80	11	130	1.110	6403	1.140	7603
140 37.5	176	135x110	105x80	11	150	1.271	6404	1.298	7604
150 40	182	135x110	105x80	11	170	1.385	6411	1.413	7611

SWIVEL CASTOR WITH FOOT BRAKE



Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Offset F	Pedal length O	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
								Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
80 25	107	100x85	80x60	9	36	120	65	0.845	5401	0.860	5421
100 30	128	100x85	80x60	9	40	120	80	0.945	5402	0.972	5422
125 37.5	156	100x85	80x60	9	46	120	130	1.300	5403	1.330	5423
140 37.5	176	100x85	80x60	9	46	120	150	1.453	5404	1.480	5424
150 40	182	100x85	80x60	9	46	120	170	1.567	5411	1.595	5431
160 40	197	140x110	105x80	11	56	156	180	2.654	5410	2.716	5430
180 45	217	140x110	105x80	11	56	156	200	2.934	5405	3.000	5425
200 50	240	140x110	105x80	11	56	156	230	3.312	5406	3.372	5426
225 50	263	140x110	105x80	11	56	156	250	3.777	5407	4.042	5427

SWIVEL CASTOR WITH FOOT BRAKE

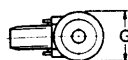
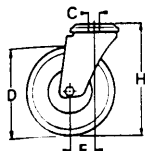
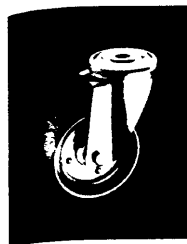


Wheel diameter Tread width D b	Overall height H	Plate dimensions Ax B	Hole spacing axb	Hole width e	Offset F	Pedal length O	Carrying capacity Kg	Plain Bearing Plate		Roller Bearing Robe	
								Unit weight Kg	Code No. 53	Unit weight Kg	Code No. 53
125 37.5	157	140x110	105x80	11	46	120	130	1.489	5343	1.529	5363
140 37.5	176	140x110	105x80	11	46	120	150	1.628	5344	1.655	5364
150 40	182	140x110	105x80	11	46	120	170	1.742	5351	1.770	5371

Standard Duty

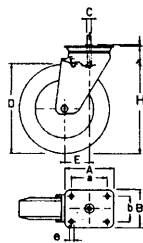
Standard Duty*

BOLT HOLE SWIVEL CASTOR



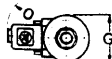
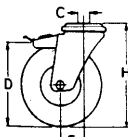
Wheel diameter Tread width	Overall height	Hole diameter	Plate diameter	Offset	Carrying capacity	Plain Bearing Plate		Roller Bearing Robe	
						Unit weight	Code No.	Unit weight	Code No.
D b	H	C	G	E	Kg	Kg	53	Kg	53
80 25	107	12	80	36	65	0.630	7701	0.645	7901
100 30	128	12	80	40	80	0.744	7702	0.771	7902
125 37.5	156	12	80	46	130	1.102	7703	1.132	7903
140 37.5	176	12	80	46	150	1.233	7704	1.260	7904
150 40	182	12	80	46	170	1.347	7711	1.375	7911
160 40	193	20	106	56	180	1.716	7710	1.778	7910
180 45	212	20	106	56	200	2.529	7705	2.595	7905
200 50	236	20	106	56	230	2.931	7706	2.991	7906

SWIVEL CASTOR WITH CENTRAL LEVER BRAKE



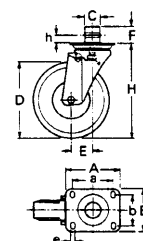
Wheel diameter Tread width	Overall height	Plate dimensions	Hole spacing	Hole width	Offset	Plug diameter	Plug protrusion	Carrying capacity	Plain Bearing Plate	
									Unit weight	Code No.
D b	H	AxB	axb	e	F	C	F	Kg	Kg	53
160 40	197	140x110	105x80	11	56	10	10	180	2.540	O.A.
200 50	240	140x110	105x80	11	56	10	10	230	3.160	8136

BOLT HOLE SWIVEL CASTOR WITH FOOT BRAKE



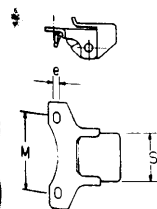
Wheel diameter Tread width	Overall height	Hole diameter	Plate diameter	Offset	Pedal length	Carrying capacity	Plain Bearing Plate		Roller Bearing Robe	
							Unit weight	Code No.	Unit weight	Code No.
D b	H	C	G	E	O	Kg	Kg	53	Kg	53
80 25	107	12	80	36	120	65	0.805	8201	0.820	8221
100 30	128	12	80	40	120	80	0.951	8202	0.978	8222
125 37.5	156	12	80	46	120	130	1.247	8203	1.277	8223
140 37.5	176	12	80	46	120	150	1.378	8204	1.405	8224
150 40	182	12	80	46	120	170	1.492	8211	1.520	8231
160 40	193	20	106	56	156	180	2.001	8210	2.063	8230
180 45	212	20	106	56	156	200	2.814	8205	2.880	8225
200 50	236	20	106	56	156	230	3.216	8206	3.276	8226

SWIVEL CASTOR WITH CENTRAL PEDAL BRAKE *



Wheel diameter Tread width	Overall height	Plate dimensions	Hole spacing	Hole width	Offset	Plug diameter	Plug protrusion	Hexagon height	Carrying capacity	Plain Bearing Plate	
										Unit weight	Code No.
D b	H	AxB	axb	e	F	C	F	h	Kg	Kg	53
160 40	197	140x110	105x80	11	56	40	33	15	180	1.560	O.A.
200 50	240	140x110	105x80	11	56	40	33	15	230	3.180	4806

DIRECTIONAL LOCK (Fits underside of top plate)



Wheel diameter Tread width	Hole spacing	Hole width	Pedal width	Pedal length	Pedal stroke	Weight	Code No.
D b	M	e	S	O	R	Kg	40
160 40	80/75	11	49	120	36	0.365	1215
200 50	80/75	11	49	120	36	0.365	1215

* These are commonly used on 1100 cu. lit. waste containers. Please note there are a number of small specification changes to suit different waste container manufacturers.

Threaded stem & solid plug fitting are available to be fitted with bolt hole castor. See accessories page 85.