

60628

ROLLERS & BUMPERS

Material

Nitrile, urethane or neoprene bonded to a steel insert.
Hardness from 20-80 durometer (Shore A).

Technical Notes

A clutch bearing allows the roller to turn in

only one direction. Available in left or right hand rotation (with the stud pointed upwards, a right hand rotation turns clockwise.)

Supplied with type I bearing, other $d_1=38,1$ roller which is supplied with type h

bearing.

Tips

Type R = Right handed clutch bearing.
Type L = Left handed clutch bearing.
See technical introduction pages for further information.

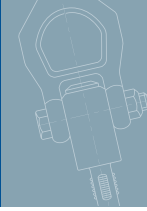
Order No.	Type	Material	Durometer	d_1	l_1	d_2 -0 +0.05	d_3	l_2	l_3	l_4	l_5
60628.W1002	Right	Nitrile	20	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1003	Right	Nitrile	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1006	Right	Nitrile	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1008	Right	Nitrile	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1012	Left	Nitrile	20	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1013	Left	Nitrile	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1016	Left	Nitrile	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1018	Left	Nitrile	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W1022	Right	Nitrile	20	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1023	Right	Nitrile	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1026	Right	Nitrile	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1028	Right	Nitrile	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1032	Left	Nitrile	20	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1033	Left	Nitrile	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1036	Left	Nitrile	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1038	Left	Nitrile	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W1042	Right	Nitrile	20	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1043	Right	Nitrile	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1046	Right	Nitrile	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1048	Right	Nitrile	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1052	Left	Nitrile	20	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1053	Left	Nitrile	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1056	Left	Nitrile	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1058	Left	Nitrile	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1062	Right	Nitrile	20	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1063	Right	Nitrile	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1066	Right	Nitrile	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1068	Right	Nitrile	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1072	Left	Nitrile	20	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1073	Left	Nitrile	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1076	Left	Nitrile	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41



Order No.	Type	Material	Durometer	d ₁	l ₁	d ₂ -0 +0.05	d ₃	l ₂	l ₃	l ₄	l ₅
60628.W1078	Left	Nitrile	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1082	Right	Nitrile	20	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1083	Right	Nitrile	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1086	Right	Nitrile	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1088	Right	Nitrile	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1092	Left	Nitrile	20	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1093	Left	Nitrile	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1096	Left	Nitrile	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1098	Left	Nitrile	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1102	Right	Nitrile	20	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1103	Right	Nitrile	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1106	Right	Nitrile	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1108	Right	Nitrile	80	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1112	Left	Nitrile	20	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1113	Left	Nitrile	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1116	Left	Nitrile	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1118	Left	Nitrile	80	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W1122	Right	Nitrile	20	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1123	Right	Nitrile	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1126	Right	Nitrile	60	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1128	Right	Nitrile	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1132	Left	Nitrile	20	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1133	Left	Nitrile	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1136	Left	Nitrile	60	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W1138	Left	Nitrile	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2003	Right	Urethane	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2006	Right	Urethane	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2008	Right	Urethane	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2013	Left	Urethane	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2016	Left	Urethane	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2018	Left	Urethane	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W2023	Right	Urethane	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2026	Right	Urethane	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2028	Right	Urethane	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2033	Left	Urethane	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2036	Left	Urethane	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2038	Left	Urethane	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W2043	Right	Urethane	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2046	Right	Urethane	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2048	Right	Urethane	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2053	Left	Urethane	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2056	Left	Urethane	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2058	Left	Urethane	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2063	Right	Urethane	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2066	Right	Urethane	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2068	Right	Urethane	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2073	Left	Urethane	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2076	Left	Urethane	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2078	Left	Urethane	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2083	Right	Urethane	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2086	Right	Urethane	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2088	Right	Urethane	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2093	Left	Urethane	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2096	Left	Urethane	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2098	Left	Urethane	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2103	Right	Urethane	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2106	Right	Neoprene	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2108	Right	Urethane	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2113	Left	Urethane	80	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2116	Left	Urethane	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2118	Left	Urethane	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W2123	Right	Urethane	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2126	Right	Urethane	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2128	Right	Urethane	60	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2133	Left	Urethane	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2136	Left	Urethane	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W2138	Left	Urethane	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3002	Right	Neoprene	20	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52



Solid Roller clutch bearing



Rollers & Bumpers

Order No.	Type	Material	Durometer	d ₁	l ₁	d ₂ -0 +0.05	d ₃	l ₂	l ₃	l ₄	l ₅
60628.W3003	Right	Neoprene	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3006	Right	Neoprene	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3008	Right	Neoprene	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3012	Left	Neoprene	20	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3013	Left	Neoprene	35	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3016	Left	Neoprene	60	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3018	Left	Neoprene	80	38.10	31.75	9.42	5/16-18"	17.53	4.83	3.05	1.52
60628.W3022	Right	Neoprene	20	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3023	Right	Neoprene	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3026	Right	Neoprene	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3028	Right	Neoprene	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3032	Left	Neoprene	20	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3033	Left	Neoprene	35	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3036	Left	Neoprene	60	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3038	Left	Neoprene	80	50.80	23.37	15.77	1/2-13"	45.47	26.42	3.05	10.41
60628.W3042	Right	Neoprene	20	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3043	Right	Neoprene	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3046	Right	Neoprene	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3048	Right	Neoprene	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3052	Left	Neoprene	20	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3053	Left	Neoprene	35	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3056	Left	Neoprene	60	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3058	Left	Neoprene	80	50.80	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3062	Right	Neoprene	20	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3063	Right	Neoprene	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3066	Right	Neoprene	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3068	Right	Neoprene	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3072	Left	Neoprene	20	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3073	Left	Neoprene	35	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3076	Left	Neoprene	60	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3078	Left	Neoprene	80	63.50	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3082	Right	Neoprene	20	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3083	Right	Neoprene	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3086	Right	Neoprene	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3088	Right	Neoprene	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3092	Left	Neoprene	20	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3093	Left	Neoprene	35	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3096	Left	Neoprene	60	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3098	Left	Neoprene	80	63.50	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3102	Right	Neoprene	20	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3103	Right	Neoprene	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3108	Right	Neoprene	80	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3112	Left	Neoprene	20	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3113	Left	Neoprene	35	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3116	Left	Neoprene	60	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3118	Left	Neoprene	80	101.6	23.27	15.77	1/2-13"	31.75	26.42	3.05	10.41
60628.W3122	Right	Neoprene	20	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3123	Right	Neoprene	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3126	Right	Neoprene	60	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3128	Right	Neoprene	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3132	Left	Neoprene	20	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3133	Left	Neoprene	35	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3136	Left	Neoprene	60	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-
60628.W3138	Left	Neoprene	80	101.6	49.28	15.77	1/2-13"	31.75	12.70	3.05	-

ROLLERS & BUMPERS



Wixroyd Rollers

Product overview



Solid rollers - have a smooth surface and a solid body

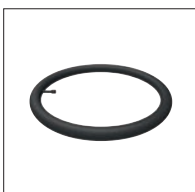


Durasoft rollers - have a smooth contact surface with teardrop holes to allow greater roller compression under load.



Finned rollers - are grooved and provide self-cleaning as dirt, debris and liquid pass under the contact surface of the roller.

Durability levels



20 durometer:
Stiff foam rubber



35 durometer:
Pencil rubber top



60 durometer:
Car tyre

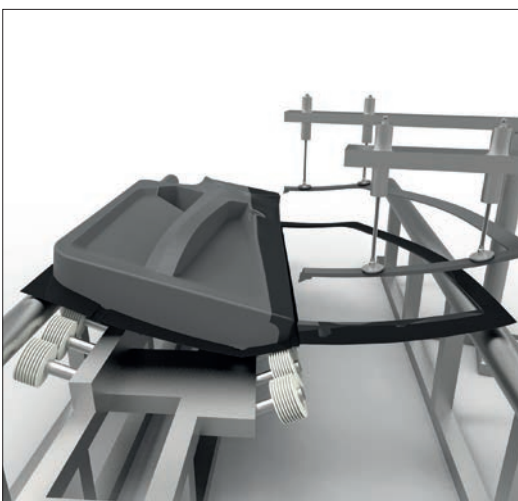


80 durometer:
Skateboard wheel



90 durometer:
Hockey puck

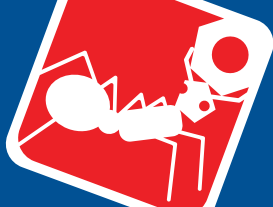
Applications



Rollers are used in car manufacturing to guide and align doors during bonding and curing applications



Bumpers have found their way into commercial exercise equipment to provide protection and stability during use.



Materials colour guide and properties



Nitrile - one colour



Neoprene - one colour

Nitrile and neoprene



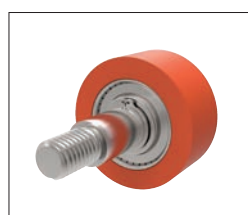
35 Durometer (Yellow)



60 Durometer (Blue)



80 Durometer (Red)



95 Durometer (Orange)

Urethane

Base Elastomer	Chemical Name	Advantages	Disadvantages	Max. Temp	Min. Temp
Nitrile	Nitrile Butadiene	Resistant to petroleum, oil, alcohol & abrasion.	Affected by degreaser solvents.	Continuous 79°C Intermittent 107°C	-51°C
Neoprene	Chloroprene	Flame and weather resistant. Resistant to Petroleum, oil, ozone & high temp.	Affected by phosphate hydraulic fluids, aromatic hydrocarbons.	Continuous 93°C Intermittent 121°C	-40°C
Urethane	Di-Isocyanate Polyurethane	Highest abrasion resistance, strength & load bearing. High elongation, hardness. Resistance to Ozone & Oxygen.	Affected by ether, esters, acid, aromatics, alkalis.	Continuous 93°C Intermittent 121°C	-54°C

Material properties

Property:	Nitrile	Neoprene	Urethane
Tensile Strength	✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓
Ozone Resistance	✓	✓ ✓	✓ ✓ ✓ ✓
Cut Resistance	✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓
Abrasion Resistance	✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓
Resistance To:	Nitrile	Neoprene	Urethane
Compression Set	✓ ✓	✓ ✓ ✓	✓ ✓ ✓
ASTM #1 Oil	✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓ ✓
ASTM #2 Oil	✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓ ✓
Reference Fuel B	✓ ✓ ✓	✓ ✓	✓ ✓ ✓ ✓
Ketones: MEK	✓	✓ ✓	✓
Aromatics: Toluene	✓ ✓ ✓	✓	✓ ✓ ✓ ✓
Aliphatics: Hexane	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓ ✓
Ethyl Acetate	✓	✓ ✓ ✓	✓
Cellosolve	✓ ✓	✓ ✓ ✓ ✓	✓
Methylene Chloride	✓	✓	✓ ✓ ✓ ✓
Trichloroethylene	✓	✓	✓ ✓ ✓ ✓
Diethylene Glycol	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓
Isopropyl Alcohol	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
Caustics: 10% NaOH	✓ ✓ ✓	✓ ✓ ✓	✓
Acids: H2SO4	✓ ✓	✓ ✓ ✓	✓
Excellent	✓ ✓ ✓ ✓	Good ✓ ✓ ✓	Fair ✓ ✓
Poor			✓



The tables below show the maximum theoretical radius loads that can be applied to the respective bearings. Refer to individual product tables to identify bearing type supplied with roller.

Standard bearings

Bearing Type	Inside diameter (inches)	Outside diameter (inches)	Width (inches)	Load (Kg)	Speed (rpm)
A - Standard Double	.313/.317	.870/.875	.498/.502	55	50
				36	100
				24	250
				20	500
B - Standard Single	.500/.505	1.245/1.250	.370/.380	119	50
				79	100
				51	250
				47	500
C - Standard Double	.500/.505	1.245/1.250	.745/.755	192	50
				128	100
				83	250
				70	500

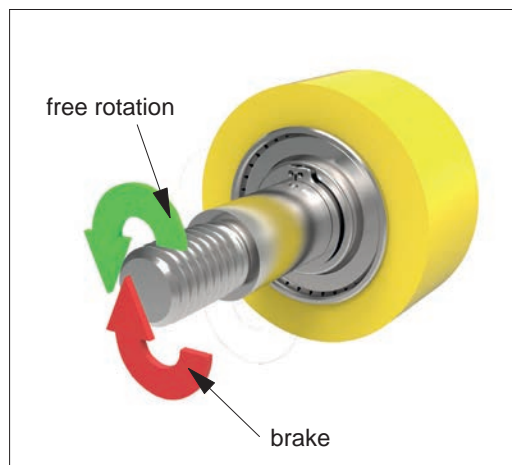
With the calculations above, typical life is approximately 2500 hours.

Clutch bearings

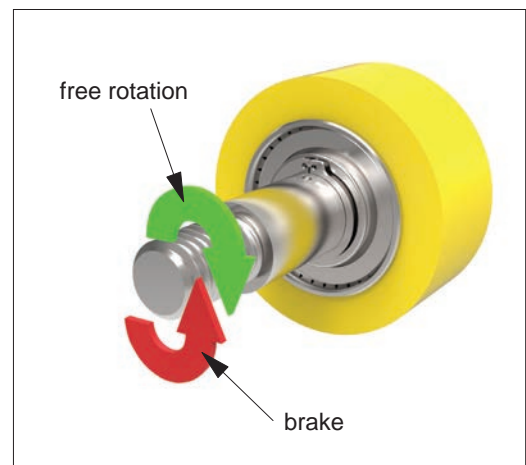
Bearing Type	Inside diameter (inches)	Outside diameter (inches)	Width (inches)	Load (Kg)	Speed (rpm)
H	.3745/.3750	.6245/.6255	.865/.875	167	33
				146	50
				116	100
				85	250
I	.6245/.6250	.8745/.8755	.990/1.000	277	33
				242	50
				192	100
				142	250

With the calculations above, typical life is approximately 1,000,000 revolutions or 500 hours. The bearings are shielded and pre-lubricated for life with grease.

A clutch roller can only be used in one direction, as shown. See data table for clutch direction of particular part.



Left clutch bearing



Right clutch bearing