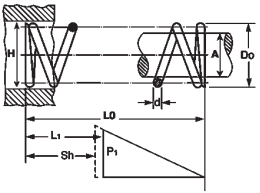
Materials
Stainless Steel
DIN 17224



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

COMPRESSION SPRINGS

Our compression springs provide design engineers, draughtsmen, production and maintenance departments with precision engineered springs in an economical and time-saving way. Our service saves time and therefore money, as design work and calculations are no longer required.

KEY TO MEASUREMENTS

D0 = Outside diameter mm.
d = Wire diameter mm
L0 = Free length mm.
L1 = Loaded length (min. working length)
A = To work over axle size mm.
H = To work in hole size mm.
P1 = Load at L1 Newtons.
R = Rate N/mm.
Sh = Approx solid height mm.
Lx = Spring compression length mm.

ADDITIONAL TECHNICAL DATA

Materials

STAINLESS STEEL to DIN 17224. No 1,4310. BS2056 EN58A. Commercial 302 AMS 5688 spring temper.

Ends
Wire up to 0.8mm, squared and unground.
Wire over 1.0mm, squared and ground.

tolerances
All dimensions and forces to DIN 2095 (Grade 2).

Loads
Load values shown are based on a service life of 50,000 cycles at 0.50 stress range.
For normal service, springs should not be compressed below L1.

Surface finish
Normal wire oiled. Shot-peened and plated finishes supplied on request.
Allow sufficient time for special finishes.
To determine the load at any working length use rate proposed deflection.

P1=(L0 - Lx) x R where Lx is spring compression length. Reference only.

1 lb = 4.448 Newtons
1 Newton = 0.225 lb
1 kg. = 9.80665 Newtons
1 Newton = 0.10197 kg

Mechanical
Compression Springs

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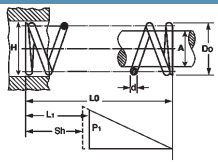

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1 - 5	List Price
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PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2010	1.20	0.20	2.00	1.40	0.60	1.40	2.14	4.09	1.30	£2.88
HPCCD2011	1.20	0.20	2.70	1.90	0.60	1.40	2.14	2.60	1.70	£2.88
HPCCD2012	1.20	0.20	3.90	2.60	0.60	1.40	2.14	1.69	2.30	£2.88
HPCCD2013	1.20	0.20	5.50	3.60	0.60	1.40	2.14	1.15	3.10	£2.88
HPCCD2014	1.20	0.20	7.80	5.00	0.60	1.40	2.14	0.77	4.30	£2.88
HPCCD2015	1.40	0.20	2.30	1.50	0.80	1.70	1.89	2.36	1.30	£2.88
HPCCD2016	1.40	0.20	3.20	1.90	0.80	1.70	1.89	1.51	1.70	£2.88
HPCCD2017	1.40	0.20	4.60	2.70	0.80	1.70	1.89	0.97	2.30	£2.88
HPCCD2018	1.40	0.20	6.50	3.70	0.80	1.70	1.89	0.67	3.10	£2.88
HPCCD2019	1.40	0.20	9.30	5.10	0.80	1.70	1.89	0.45	4.30	£2.88
HPCCD2020	1.80	0.20	3.00	1.50	1.10	2.10	1.50	1.00	1.30	£2.88
HPCCD2021	1.80	0.20	4.40	2.00	1.10	2.10	1.50	0.64	1.70	£2.88
HPCCD2022	1.80	0.20	6.40	2.80	1.10	2.10	1.50	0.41	2.30	£2.88
HPCCD2023	1.80	0.20	9.20	3.80	1.10	2.10	1.50	0.28	3.10	£2.88
HPCCD2024	1.80	0.20	13.30	5.30	1.10	2.10	1.50	0.19	4.30	£2.88
HPCCD2025	2.20	0.20	4.00	1.50	1.50	2.60	1.24	0.51	1.30	£2.88
HPCCD2026	2.20	0.20	5.90	2.10	1.50	2.60	1.24	0.32	1.70	£2.88
HPCCD2027	2.20	0.20	8.70	2.90	1.50	2.60	1.24	0.21	2.30	£2.88
HPCCD2028	2.20	0.20	12.60	4.00	1.50	2.60	1.24	0.15	3.10	£2.88
HPCCD2029	2.20	0.20	18.30	5.60	1.50	2.60	1.24	0.10	4.30	£2.88
HPCCD2030	2.70	0.20	5.40	1.60	2.00	3.10	1.00	0.26	1.30	£2.88
HPCCD2031	2.70	0.20	8.20	2.20	2.00	3.10	1.00	0.17	1.70	£2.88
HPCCD2032	2.70	0.20	12.40	3.10	2.00	3.10	1.00	0.11	2.30	£2.88
HPCCD2033	2.70	0.20	17.90	4.20	2.00	3.10	1.00	0.07	3.10	£2.88
HPCCD2034	2.70	0.20	26.20	5.90	2.00	3.10	1.00	0.05	4.30	£2.88
HPCCD2035	1.45	0.25	2.40	1.80	0.70	1.70	3.42	5.79	1.60	£2.88

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2036	1.45	0.25	3.30	2.40	0.70	1.70	3.42	3.68	2.10	£2.88
HPCCD2037	1.45	0.25	4.70	3.30	0.70	1.70	3.42	2.38	2.90	£2.88
HPCCD2038	1.45	0.25	6.60	4.50	0.70	1.70	3.42	1.62	3.90	£2.88
HPCCD2039	1.45	0.25	9.40	6.30	0.70	1.70	3.42	1.10	5.40	£2.88
HPCCD2040	1.85	0.25	3.00	1.80	1.10	2.10	2.81	2.44	1.60	£2.88
HPCCD2041	1.85	0.25	4.30	2.40	1.10	2.10	2.81	1.55	2.10	£2.88
HPCCD2042	1.85	0.25	6.20	3.40	1.10	2.10	2.81	1.00	2.90	£2.88
HPCCD2043	1.85	0.25	8.70	4.60	1.10	2.10	2.81	0.69	3.90	£2.88
HPCCD2044	1.85	0.25	12.50	6.50	1.10	2.10	2.81	0.46	5.40	£2.88
HPCCD2045	2.25	0.25	3.70	1.90	1.50	2.60	2.34	1.25	1.60	£2.88
HPCCD2046	2.25	0.25	5.50	2.50	1.50	2.60	2.34	0.79	2.10	£2.88
HPCCD2047	2.25	0.25	8.00	3.50	1.50	2.60	2.34	0.51	2.90	£2.88
HPCCD2048	2.25	0.25	11.40	4.70	1.50	2.60	2.34	0.35	3.90	£2.88
HPCCD2049	2.25	0.25	16.60	6.70	1.50	2.60	2.34	0.24	5.40	£2.88
HPCCD2050	2.75	0.25	4.90	1.90	1.90	3.10	1.92	0.64	1.60	£2.88
HPCCD2051	2.75	0.25	7.30	2.60	1.90	3.10	1.92	0.41	2.10	£2.88
HPCCD2052	2.75	0.25	10.90	3.60	1.90	3.10	1.92	0.26	2.90	£2.88
HPCCD2053	2.75	0.25	15.70	5.00	1.90	3.10	1.92	0.18	3.90	£2.88
HPCCD2054	2.75	0.25	22.90	7.00	1.90	3.10	1.92	0.12	5.40	£2.88
HPCCD2055	3.45	0.25	7.10	2.00	2.50	4.00	1.53	0.30	1.60	£2.88
HPCCD2056	3.45	0.25	10.70	2.80	2.50	4.00	1.53	0.20	2.10	£2.88
HPCCD2057	3.45	0.25	16.10	3.80	2.50	4.00	1.53	0.13	2.90	£2.88
HPCCD2058	3.45	0.25	23.30	5.30	2.50	4.00	1.53	0.09	3.90	£2.88
HPCCD2059	3.45	0.25	34.10	7.50	2.50	4.00	1.53	0.06	5.40	£2.88
HPCCD2060	1.92	0.32	3.10	2.30	1.00	2.20	5.47	6.55	2.10	£2.88
HPCCD2061	1.92	0.32	4.40	3.10	1.00	2.20	5.47	4.17	2.70	£2.88
HPCCD2062	1.92	0.32	6.30	4.20	1.00	2.20	5.47	2.70	3.70	£2.88
HPCCD2063	1.92	0.32	8.70	5.80	1.00	2.20	5.47	1.83	5.00	£2.88
HPCCD2064	1.92	0.32	12.50	8.10	1.00	2.20	5.47	1.24	6.90	£2.88
HPCCD2065	2.32	0.32	3.70	2.30	1.40	2.60	4.69	3.35	2.10	£2.88
HPCCD2066	2.32	0.32	5.30	3.10	1.40	2.60	4.69	2.14	2.70	£2.88
HPCCD2067	2.32	0.32	7.70	4.3	1.40	2.60	4.69	1.38	3.70	£2.88
HPCCD2068	2.32	0.32	10.90	5.90	1.40	2.60	4.69	0.94	5.00	£2.88
HPCCD2069	2.32	0.32	15.60	8.20	1.40	2.60	4.69	0.64	6.90	£2.88
HPCCD2070	2.82	0.32	4.70	2.40	1.90	3.10	3.91	1.72	2.10	£2.88
HPCCD2071	2.82	0.32	6.80	3.20	1.90	3.10	3.91	1.09	2.70	£2.88
HPCCD2072	2.82	0.32	10.00	4.40	1.90	3.10	3.91	0.71	3.70	£2.88
HPCCD2073	2.82	0.32	14.20	6.10	1.90	3.10	3.91	0.48	5.00	£2.88
HPCCD2074	2.82	0.32	20.60	8.50	1.90	3.10	3.91	0.32	6.90	£2.88

Mechanical
Compression Springs

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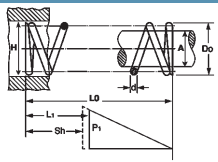

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PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2075	3.52	0.32	6.30	2.50	2.40	4.00	3.16	0.81	2.10	£2.88
HPCCD2076	3.52	0.32	9.40	3.30	2.40	4.00	3.16	0.52	2.70	£2.88
HPCCD2077	3.52	0.32	14.00	4.60	2.40	4.00	3.16	0.33	3.70	£2.88
HPCCD2078	3.52	0.32	20.10	6.30	2.40	4.00	3.16	0.23	5.00	£2.88
HPCCD2079	3.52	0.32	29.3	8.90	2.40	4.00	3.16	0.16	6.90	£2.88
HPCCD2080	4.32	0.32	8.70	2.60	3.20	4.80	2.57	0.42	2.10	£2.88
HPCCD2081	4.32	0.32	13.10	3.50	3.20	4.80	2.57	0.26	2.70	£2.88
HPCCD2082	4.32	0.32	19.80	4.90	3.20	4.80	2.57	0.18	3.70	£2.88
HPCCD2083	4.32	0.32	28.60	6.70	3.20	4.80	2.57	0.12	5.00	£2.88
HPCCD2084	4.32	0.32	41.90	9.50	3.20	4.80	2.57	0.08	6.90	£2.88
HPCCD2085	2.40	0.40	3.50	2.70	1.30	2.80	6.21	7.76	2.60	£2.88
HPCCD2086	2.40	0.40	5.00	3.70	1.30	2.80	6.21	4.90	3.40	£2.88
HPCCD2087	2.40	0.40	7.00	5.10	1.30	2.80	6.21	3.19	4.60	£2.88
HPCCD2088	2.40	0.40	10.00	7.00	1.30	2.80	6.21	2.17	6.20	£2.88
HPCCD2089	2.40	0.40	14.00	9.90	1.30	2.80	6.21	1.47	8.60	£2.88
HPCCD2090	2.90	0.40	4.30	2.80	1.80	3.30	5.96	3.97	2.60	£2.88
HPCCD2091	2.90	0.40	6.30	3.90	1.80	3.30	5.96	2.53	3.40	£2.88
HPCCD2092	2.90	0.40	9.10	5.40	1.80	3.30	5.96	1.63	4.60	£2.88
HPCCD2093	2.90	0.40	13.00	7.50	1.80	3.30	5.96	1.11	6.20	£2.88
HPCCD2094	2.90	0.40	18.50	10.60	1.80	3.30	5.96	0.75	8.60	£2.88
HPCCD2095	3.60	0.40	5.60	2.80	2.50	4.00	5.31	1.90	2.60	£2.88
HPCCD2096	3.60	0.40	8.30	3.90	2.50	4.00	5.31	1.21	3.40	£2.88
HPCCD2097	3.60	0.40	12.00	5.40	2.50	4.00	5.31	0.78	4.60	£2.88
HPCCD2098	3.60	0.40	17.50	7.50	2.50	4.00	5.31	0.53	6.20	£2.88
HPCCD2099	3.60	0.40	25.50	10.60	2.50	4.00	5.31	0.36	8.60	£2.88
HPCCD2100	4.40	0.40	7.50	3.00	3.20	5.00	4.37	0.97	2.60	£2.88

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2101	4.40	0.40	11.00	4.10	3.20	5.00	4.37	0.62	3.40	£2.88
HPCCD2102	4.40	0.40	16.50	5.80	3.20	5.00	4.37	0.40	4.60	£2.88
HPCCD2103	4.40	0.40	24.00	8.00	3.20	5.00	4.37	0.27	6.20	£2.88
HPCCD2104	4.40	0.40	35.50	11.40	3.20	5.00	4.37	0.18	8.60	£2.88
HPCCD2105	5.40	0.40	10.50	3.20	4.10	6.00	3.63	0.50	2.60	£2.88
HPCCD2106	5.40	0.40	16.00	4.50	4.10	6.00	3.63	0.32	3.40	£2.88
HPCCD2107	5.40	0.40	24.00	6.40	4.10	6.00	3.63	0.21	4.60	£2.88
HPCCD2108	5.40	0.40	35.00	9.00	4.10	6.00	3.63	0.14	6.20	£2.88
HPCCD2109	5.40	0.40	53.00	12.80	4.10	6.00	3.63	0.09	8.60	£2.88
HPCCD2110	3.00	0.50	4.40	3.50	1.70	3.40	8.66	9.65	3.30	£2.88
HPCCD2111	3.00	0.50	6.10	4.70	1.70	3.40	8.66	6.18	4.30	£2.88
HPCCD2112	3.00	0.50	8.70	6.50	1.70	3.40	8.66	4.00	5.80	£2.88
HPCCD2113	3.00	0.50	12.00	9.00	1.70	3.40	8.66	2.72	7.80	£2.88
HPCCD2114	3.00	0.50	17.50	12.80	1.70	3.40	8.66	1.84	10.80	£2.88
HPCCD2115	3.70	0.50	5.50	3.70	2.40	4.10	8.33	4.64	3.30	£2.88
HPCCD2116	3.70	0.50	7.90	5.10	2.40	4.10	8.33	2.94	4.30	£2.88
HPCCD2117	3.70	0.50	11.50	7.10	2.40	4.10	8.33	1.90	5.80	£2.88
HPCCD2118	3.70	0.50	16.00	9.80	2.40	4.10	8.33	1.30	7.80	£2.88
HPCCD2119	3.70	0.50	23.50	14.00	2.40	4.10	8.33	0.87	10.80	£2.88
HPCCD2120	4.50	0.50	7.00	3.70	3.20	5.00	7.76	2.36	3.30	£2.88
HPCCD2121	4.50	0.50	10.00	5.10	3.20	5.00	7.76	1.51	4.30	£2.88
HPCCD2122	4.50	0.50	15.00	7.10	3.20	5.00	7.76	0.97	5.80	£2.88
HPCCD2123	4.50	0.50	21.50	9.80	3.20	5.00	7.76	0.66	7.80	£2.88
HPCCD2124	4.50	0.50	31.00	14.00	3.20	5.00	7.76	0.45	10.80	£2.88
HPCCD2125	5.50	0.50	9.40	3.90	4.00	6.20	6.70	1.22	3.30	£2.88
HPCCD2126	5.50	0.50	14.00	5.40	4.00	6.20	6.70	0.77	4.30	£2.88
HPCCD2127	5.50	0.50	20.50	7.60	4.00	6.20	6.70	0.51	5.80	£2.88
HPCCD2128	5.50	0.50	30.00	10.60	4.00	6.20	6.70	0.34	7.80	£2.88
HPCCD2129	5.50	0.50	44.50	15.10	4.00	6.20	6.70	0.22	10.80	£2.88
HPCCD2130	6.80	0.50	13.50	4.30	5.30	7.50	5.47	0.61	3.30	£2.88
HPCCD2131	6.80	0.50	20.00	6.00	5.30	7.50	5.47	0.38	4.30	£2.88
HPCCD2132	6.80	0.50	30.00	8.70	5.30	7.50	5.47	0.25	5.80	£2.88
HPCCD2133	6.80	0.50	44.00	12.20	5.30	7.50	5.47	0.17	7.80	£2.88
HPCCD2134	6.80	0.50	65.00	17.40	5.30	7.50	5.47	0.12	10.80	£2.88
HPCCD2135	3.83	0.63	5.50	4.00	2.30	4.20	17.48	11.68	4.10	£2.88
HPCCD2136	3.83	0.63	7.80	5.40	2.30	4.20	17.48	7.41	5.40	£2.88
HPCCD2137	3.83	0.63	11.00	7.50	2.30	4.20	17.48	4.81	7.30	£2.88
HPCCD2138	3.83	0.63	15.50	10.30	2.30	4.20	17.48	3.27	9.80	£2.88
HPCCD2139	3.83	0.63	22.50	14.70	2.30	4.20	17.48	2.21	13.50	£2.88

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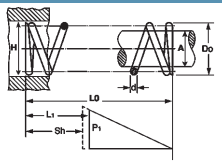

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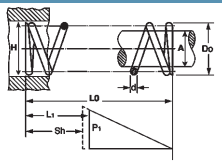
HPCCD2140	4.63	0.63	6.70	4.30	3.00	5.00	14.29	5.96	4.10	£2.88
HPCCD2141	4.63	0.63	9.60	5.80	3.00	5.00	14.29	3.79	5.40	£2.88
HPCCD2142	4.63	0.63	14.00	8.20	3.00	5.00	14.29	2.45	7.30	£2.88
HPCCD2143	4.63	0.63	20.00	11.30	3.00	5.00	14.29	1.67	9.80	£2.88
HPCCD2144	4.63	0.63	29.00	16.20	3.00	5.00	14.29	1.12	13.50	£2.88
HPCCD2145	5.63	0.63	8.50	4.30	3.90	6.10	12.90	3.07	4.10	£2.88
HPCCD2146	5.63	0.63	12.50	5.80	3.90	6.10	12.90	1.96	5.40	£2.88
HPCCD2147	5.63	0.63	18.50	8.20	3.90	6.10	12.90	1.29	7.30	£2.88
HPCCD2148	5.63	0.63	26.00	11.30	3.90	6.10	12.90	0.86	9.80	£2.88
HPCCD2149	5.63	0.63	38.50	16.20	3.90	6.10	12.90	0.58	13.50	£2.88
HPCCD2150	6.93	0.63	11.50	4.60	5.00	7.60	10.37	1.52	4.10	£2.88
HPCCD2151	6.93	0.63	17.00	6.20	5.00	7.60	10.37	0.97	5.40	£2.88
HPCCD2152	6.93	0.63	25.50	8.90	5.00	7.60	10.37	0.63	7.30	£2.88
HPCCD2153	6.93	0.63	36.50	12.30	5.00	7.60	10.37	0.42	9.80	£2.88
HPCCD2154	6.93	0.63	54.00	17.70	5.00	7.60	10.37	0.28	13.50	£2.88
HPCCD2155	8.63	0.63	16.00	5.10	6.80	9.40	8.33	0.74	4.10	£2.88
HPCCD2156	8.63	0.63	24.50	7.10	6.80	9.40	8.33	0.47	5.40	£2.88
HPCCD2157	8.63	0.63	37.00	10.20	6.80	9.40	8.33	0.31	7.30	£2.88
HPCCD2158	8.63	0.63	55.00	14.30	6.80	9.40	8.33	0.21	9.80	£2.88
HPCCD2159	8.63	0.63	80.50	20.60	6.80	9.40	8.33	0.14	13.50	£2.88
HPCCD2160	4.80	0.80	6.90	5.20	2.80	5.30	26.55	15.44	5.20	£2.88
HPCCD2161	4.80	0.80	9.70	7.00	2.80	5.30	26.55	9.89	6.80	£2.88
HPCCD2162	4.80	0.80	14.00	9.80	2.80	5.30	26.55	6.39	9.20	£2.88
HPCCD2163	4.80	0.80	19.50	13.50	2.80	5.30	26.55	4.35	12.40	£2.88
HPCCD2164	4.80	0.80	28.00	19.10	2.80	5.30	26.55	2.93	17.20	£2.88
HPCCD2165	5.80	0.80	8.30	5.60	3.80	6.30	21.65	7.94	5.20	£2.88

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2166	5.80	0.80	12.00	7.70	3.80	6.30	21.65	5.06	6.80	£2.88
HPCCD2167	5.80	0.80	17.50	10.90	3.80	6.30	21.65	3.27	9.20	£2.88
HPCCD2168	5.80	0.80	24.50	15.10	3.80	6.30	21.65	2.22	12.40	£2.88
HPCCD2169	5.80	0.80	36.00	21.50	3.80	6.30	21.65	1.50	17.20	£2.88
HPCCD2170	7.10	0.80	10.50	5.60	5.00	7.70	20.02	3.97	5.20	£2.88
HPCCD2171	7.10	0.80	15.50	7.70	5.00	7.70	20.02	2.52	6.80	£2.88
HPCCD2172	7.10	0.80	23.00	10.90	5.00	7.70	20.02	1.63	9.20	£2.88
HPCCD2173	7.10	0.80	33.00	15.10	5.00	7.70	20.02	1.11	12.40	£2.88
HPCCD2174	7.10	0.80	48.00	21.50	5.00	7.70	20.02	1.75	17.20	£2.88
HPCCD2175	8.80	0.80	14.50	6.10	6.60	9.60	16.26	1.93	5.20	£2.88
HPCCD2176	8.80	0.80	21.50	8.40	6.60	9.60	16.26	1.23	6.80	£2.88
HPCCD2177	8.80	0.80	32.00	12.00	6.60	9.60	16.26	0.80	9.20	£2.88
HPCCD2178	8.80	0.80	47.00	16.70	6.60	9.60	16.26	0.54	12.40	£2.88
HPCCD2179	8.80	0.80	68.00	23.80	6.60	9.60	16.26	0.37	17.20	£2.88
HPCCD2180	10.80	0.80	20.00	6.90	8.60	11.60	12.83	1.00	5.20	£2.88
HPCCD2181	10.80	0.80	30.00	9.80	8.60	11.60	12.83	0.63	6.80	£2.88
HPCCD2182	10.80	0.80	45.50	14.30	8.60	11.60	12.83	0.41	9.20	£2.88
HPCCD2183	10.80	0.80	66.00	19.90	8.60	11.60	12.83	0.27	12.40	£2.88
HPCCD2184	10.80	0.80	96.50	28.50	8.60	11.60	12.83	0.19	17.20	£2.88
HPCCD2185	6.00	1.00	8.50	6.60	3.60	6.50	36.44	19.36	5.50	£3.81
HPCCD2186	6.00	1.00	12.00	9.00	3.60	6.50	36.44	12.34	7.50	£3.81
HPCCD2187	6.00	1.00	17.00	12.60	3.60	6.50	36.44	7.97	10.50	£3.81
HPCCD2188	6.00	1.00	24.00	17.40	3.60	6.50	36.44	5.42	14.50	£3.81
HPCCD2189	6.00	1.00	34.50	24.60	3.60	6.50	36.44	3.60	20.50	£3.81
HPCCD2190	7.30	1.00	10.00	7.00	4.90	7.80	28.43	9.64	5.50	£3.81
HPCCD2191	7.30	1.00	14.50	9.80	4.90	7.80	28.43	6.16	7.50	£3.81
HPCCD2192	7.30	1.00	21.50	14.30	4.90	7.80	28.43	3.99	10.50	£3.81
HPCCD2193	7.30	1.00	30.50	19.90	4.90	7.80	28.43	2.72	14.50	£3.81
HPCCD2194	7.30	1.00	43.50	27.80	4.90	7.80	28.43	1.83	20.50	£3.81
HPCCD2195	9.00	1.00	13.00	7.30	6.50	9.60	27.61	4.73	5.50	£3.81
HPCCD2196	9.00	1.00	19.00	10.10	6.50	9.60	27.61	3.01	7.50	£3.81
HPCCD2197	9.00	1.00	28.50	14.60	6.50	9.60	27.61	1.94	10.50	£3.81
HPCCD2198	9.00	1.00	40.50	20.10	6.50	9.60	27.61	1.32	14.50	£3.81
HPCCD2199	9.00	1.00	59.00	28.90	6.50	9.60	27.61	0.90	20.50	£3.81
HPCCD2200	11.00	1.00	17.50	8.00	8.40	11.80	22.79	2.42	5.50	£3.81
HPCCD2201	11.00	1.00	26.00	11.20	8.40	11.80	22.79	1.54	7.50	£3.81
HPCCD2202	11.00	1.00	39.00	16.00	8.40	11.80	22.79	1.00	10.50	£3.81
HPCCD2203	11.00	1.00	56.00	22.40	8.40	11.80	22.79	0.67	14.50	£3.81
HPCCD2204	11.00	1.00	81.50	32.00	8.40	11.80	22.79	0.46	20.50	£3.81

Mechanical Compression Springs

Materials
Stainless Steel DIN 17224



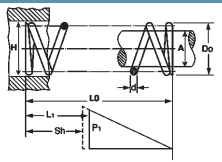
DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2205	13.50	1.00	24.00	9.40	10.80	14.40	18.30	1.24	5.50	£3.81
HPCCD2206	13.50	1.00	36.50	13.40	10.80	14.40	18.30	0.79	7.50	£3.81
HPCCD2207	13.50	1.00	55.50	19.40	10.80	14.40	18.30	0.51	10.50	£3.81
HPCCD2208	13.50	1.00	80.50	27.40	10.80	14.40	18.30	0.34	14.50	£3.81
HPCCD2209	13.50	1.00	115.00	39.40	10.80	14.40	18.30	0.23	20.50	£3.81
HPCCD2210	7.55	1.25	12.00	7.20	4.70	8.10	111.10	24.18	6.90	£4.04
HPCCD2211	7.55	1.25	17.00	9.80	4.70	8.10	111.10	15.03	9.40	£4.04
HPCCD2212	7.55	1.25	25.00	13.80	4.70	8.10	111.10	9.80	13.10	£4.04
HPCCD2213	7.55	1.25	35.50	19.20	4.70	8.10	111.10	6.74	18.10	£4.04
HPCCD2214	7.55	1.25	51.50	27.10	4.70	8.10	111.10	4.49	25.60	£4.04
HPCCD2215	9.25	1.25	15.00	7.40	6.10	9.60	87.41	11.93	6.90	£4.04
HPCCD2216	9.25	1.25	22.00	10.50	6.10	9.60	87.41	7.43	9.40	£4.04
HPCCD2217	9.25	1.25	33.00	14.90	6.10	9.60	87.41	4.86	13.10	£4.04
HPCCD2218	9.25	1.25	47.50	21.00	6.10	9.60	87.41	3.30	18.10	£4.04
HPCCD2219	9.25	1.25	69.00	30.00	6.10	9.60	87.41	2.24	25.60	£4.04
HPCCD2220	11.25	1.25	20.00	7.70	8.20	11.90	71.15	5.91	6.90	£4.04
HPCCD2221	11.25	1.25	29.50	10.80	8.20	11.90	71.15	3.76	9.40	£4.04
HPCCD2222	11.25	1.25	44.50	15.20	8.20	11.90	71.15	2.43	13.10	£4.04
HPCCD2223	11.25	1.25	64.00	21.10	8.20	11.90	71.15	1.66	18.10	£4.04
HPCCD2224	11.25	1.25	93.50	30.00	8.20	11.90	71.15	1.12	25.60	£4.04
HPCCD2225	13.75	1.25	27.00	8.20	10.60	14.60	57.51	3.02	6.90	£4.04
HPCCD2226	13.75	1.25	41.50	11.60	10.60	14.60	57.51	1.92	9.40	£4.04
HPCCD2227	13.75	1.25	62.50	16.50	10.60	14.60	57.51	1.24	13.10	£4.04
HPCCD2228	13.75	1.25	90.50	23.10	10.60	14.60	57.51	0.85	18.10	£4.04
HPCCD2229	13.75	1.25	130.00	32.90	10.60	14.60	57.51	0.57	25.60	£4.04
HPCCD2230	17.25	1.25	40.50	9.10	14.10	18.20	45.17	1.44	6.90	£4.04

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2231	17.25	1.25	62.00	12.90	14.10	18.20	45.17	0.92	9.40	£4.04
HPCCD2232	17.25	1.25	94.00	18.50	14.10	18.20	45.17	0.60	13.10	£4.04
HPCCD2233	17.25	1.25	140.00	26.00	14.10	18.20	45.17	0.40	18.10	£4.04
HPCCD2234	17.25	1.25	205.00	37.30	14.10	18.20	45.17	0.27	25.60	£4.04
HPCCD2235	9.60	1.60	14.50	9.00	5.90	10.10	176.45	31.05	8.80	£4.04
HPCCD2236	9.60	1.60	21.50	12.60	5.90	10.10	176.45	19.77	12.00	£4.04
HPCCD2237	9.60	1.60	31.50	17.90	5.90	10.10	176.45	12.83	16.80	£4.04
HPCCD2238	9.60	1.60	45.00	24.80	5.90	10.10	176.45	8.66	23.20	£4.04
HPCCD2239	9.60	1.60	65.50	35.20	5.90	10.10	176.45	5.87	32.80	£4.04
HPCCD2240	11.60	1.60	18.50	9.40	7.90	12.10	141.33	15.93	8.80	£4.04
HPCCD2241	11.60	1.60	27.00	13.20	7.90	12.10	141.33	10.13	12.00	£4.04
HPCCD2242	11.60	1.60	40.50	18.90	7.90	12.10	141.33	6.56	16.80	£4.04
HPCCD2243	11.60	1.60	58.50	26.50	7.90	12.10	141.33	4.44	23.20	£4.04
HPCCD2244	11.60	1.60	85.00	37.90	7.90	12.10	141.33	3.01	32.80	£4.04
HPCCD2245	14.10	1.60	24.00	10.00	10.30	14.70	112.73	8.13	8.80	£4.04
HPCCD2246	14.10	1.60	36.00	14.10	10.30	14.70	112.73	5.19	12.00	£4.04
HPCCD2247	14.10	1.60	53.50	20.10	10.30	14.70	112.73	3.37	16.80	£4.04
HPCCD2248	14.10	1.60	78.00	28.00	10.30	14.70	112.73	2.27	23.20	£4.04
HPCCD2249	14.10	1.60	115.00	39.90	10.30	14.70	112.73	1.53	32.80	£4.04
HPCCD2250	17.60	1.60	34.00	11.00	13.70	18.30	88.22	3.87	8.80	£4.04
HPCCD2251	17.60	1.60	51.50	15.50	13.70	18.30	88.22	2.47	12.00	£4.04
HPCCD2252	17.60	1.60	77.50	22.20	13.70	18.30	88.22	1.60	16.80	£4.04
HPCCD2253	17.60	1.60	110.00	31.20	13.70	18.30	88.22	1.08	23.20	£4.04
HPCCD2254	17.60	1.60	165.00	44.60	13.70	18.30	88.22	0.73	32.80	£4.04
HPCCD2255	21.60	1.60	48.00	12.40	17.50	22.50	70.66	1.98	8.80	£4.04
HPCCD2256	21.60	1.60	73.50	17.60	17.50	22.50	70.66	1.27	12.00	£4.04
HPCCD2257	21.60	1.60	110.00	25.50	17.50	22.50	70.66	0.82	16.80	£4.04
HPCCD2258	21.60	1.60	165.00	36.00	17.50	22.50	70.66	0.56	23.20	£6.78
HPCCD2259	21.60	1.60	240.00	51.80	17.50	22.50	70.66	0.37	32.80	£6.78
HPCCD2260	12.00	2.00	18.00	11.20	7.50	12.50	264.68	38.80	11.00	£4.69
HPCCD2261	12.00	2.00	26.50	15.60	7.50	12.50	264.68	24.75	15.00	£4.69
HPCCD2262	12.00	2.00	38.50	22.00	7.50	12.50	264.68	16.01	21.00	£4.69
HPCCD2263	12.00	2.00	55.00	30.60	7.50	12.50	264.68	10.86	29.00	£4.69
HPCCD2264	12.00	2.00	79.50	43.40	7.50	12.50	264.68	7.34	41.00	£4.69
HPCCD2265	14.50	2.00	22.50	11.70	9.90	15.10	211.57	19.93	11.00	£4.69
HPCCD2266	14.50	2.00	33.00	16.40	9.90	15.10	211.57	12.66	15.00	£4.69
HPCCD2267	14.50	2.00	49.50	23.50	9.90	15.10	211.57	8.17	21.00	£4.69
HPCCD2268	14.50	2.00	71.00	33.00	9.90	15.10	211.57	5.57	29.00	£5.16
HPCCD2269	14.50	2.00	105.00	47.20	9.90	15.10	211.57	3.77	41.00	£5.16

Mechanical
Compression Springs

Materials
Stainless Steel
DIN 17224



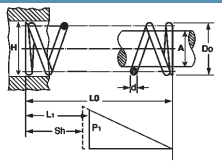
DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2270	18.00	2.00	30.00	12.50	13.40	18.60	165.01	9.48	11.00	£4.69
HPCCD2271	18.00	2.00	45.00	17.70	13.40	18.60	165.01	6.03	15.00	£4.69
HPCCD2272	18.00	2.00	68.00	25.50	13.40	18.60	165.01	3.91	21.00	£4.69
HPCCD2273	18.00	2.00	98.00	35.90	13.40	18.60	165.01	2.68	29.00	£4.69
HPCCD2274	18.00	2.00	145.00	51.40	13.40	18.60	165.01	1.80	41.00	£5.16
HPCCD2275	22.00	2.00	41.00	13.60	17.10	22.90	132.34	4.86	11.00	£4.69
HPCCD2276	22.00	2.00	62.00	19.20	17.10	22.90	132.34	3.09	15.00	£4.69
HPCCD2277	22.00	2.00	94.00	27.60	17.10	22.90	132.34	1.99	21.00	£4.69
HPCCD2278	22.00	2.00	135.00	38.80	17.10	22.90	132.34	1.36	29.00	£5.16
HPCCD2279	22.00	2.00	200.00	55.60	17.10	22.90	132.34	0.92	41.00	£6.79
HPCCD2280	27.00	2.00	58.00	15.00	22.00	27.90	106.20	2.48	11.00	£4.69
HPCCD2281	27.00	2.00	88.50	21.40	22.00	27.90	106.20	1.58	15.00	£5.16
HPCCD2282	27.00	2.00	135.00	31.00	22.00	27.90	106.20	1.02	21.00	£5.16
HPCCD2283	27.00	2.00	195.00	43.80	22.00	27.90	106.20	0.69	29.00	£6.79
HPCCD2284	27.00	2.00	290.00	63.00	22.00	27.90	106.20	0.47	41.00	£6.79
HPCCD2285	11.00	2.20	16.20	12.90	6.00	11.60	281.01	83.32	12.10	£6.79
HPCCD2286	11.00	2.20	23.00	17.70	6.00	11.60	281.01	52.94	16.50	£6.79
HPCCD2287	11.00	2.20	36.50	27.40	6.00	11.60	281.01	30.71	25.30	£6.79
HPCCD2288	11.00	2.20	56.80	41.90	6.00	11.60	281.01	18.79	38.50	£6.79
HPCCD2289	15.00	2.20	20.00	12.90	10.00	15.60	214.02	27.04	12.10	£6.79
HPCCD2290	15.00	2.20	30.20	17.70	10.00	15.60	214.02	17.23	16.50	£6.79
HPCCD2291	15.00	2.20	48.90	27.40	10.00	15.60	214.02	9.96	25.30	£6.79
HPCCD2292	24.00	2.20	39.20	14.00	18.90	24.70	138.05	5.47	12.10	£6.79
HPCCD2293	24.00	2.20	59.10	19.50	18.90	24.70	138.05	3.49	16.50	£6.79
HPCCD2294	15.00	2.50	22.00	14.00	9.40	15.60	389.66	48.61	13.80	£7.67
HPCCD2295	15.00	2.50	32.00	19.50	9.40	15.60	389.66	30.96	18.80	£7.67

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2296	15.00	2.50	47.50	27.80	9.40	15.60	389.66	20.02	26.30	£7.67
HPCCD2297	15.00	2.50	67.50	38.70	9.40	15.60	389.66	13.56	36.30	£7.67
HPCCD2298	15.00	2.50	98.00	55.10	9.40	15.60	389.66	9.15	51.30	£7.67
HPCCD2299	18.50	2.50	27.50	14.60	12.90	19.10	303.89	23.12	13.80	£7.67
HPCCD2300	18.50	2.50	41.00	20.50	12.90	19.10	303.89	14.70	18.80	£7.67
HPCCD2301	18.50	2.50	61.00	29.30	12.90	19.10	303.89	9.55	26.30	£7.67
HPCCD2302	18.50	2.50	88.00	41.10	12.90	19.10	303.89	6.48	36.30	£7.67
HPCCD2303	18.50	2.50	130.00	58.90	12.90	19.10	303.89	4.37	51.30	£7.67
HPCCD2304	22.50	2.50	36.00	15.50	16.80	23.20	243.44	11.85	13.80	£7.67
HPCCD2305	22.50	2.50	54.00	21.90	16.80	23.20	243.44	7.54	18.80	£7.67
HPCCD2306	22.50	2.50	81.50	31.50	16.80	23.20	243.44	4.87	26.30	£7.67
HPCCD2307	22.50	2.50	120.00	44.30	16.80	23.20	243.44	3.32	36.30	£7.67
HPCCD2308	22.50	2.50	175.00	63.60	16.80	23.20	243.44	2.24	51.30	£7.67
HPCCD2309	27.50	2.50	49.00	16.80	21.60	28.40	194.42	6.07	13.80	£6.79
HPCCD2310	27.50	2.50	74.50	24.00	21.60	28.40	194.42	3.87	18.80	£6.79
HPCCD2311	27.50	2.50	115.00	34.80	21.60	28.40	194.42	2.50	26.30	£6.79
HPCCD2312	27.50	2.50	165.00	49.20	21.60	28.40	194.42	1.70	36.30	£7.67
HPCCD2313	27.50	2.50	240.00	70.80	21.60	28.40	194.42	1.15	51.30	£11.58
HPCCD2314	34.50	2.50	71.50	19.30	28.30	35.70	151.94	2.90	13.80	£7.67
HPCCD2315	34.50	2.50	110.00	27.90	28.30	35.70	151.94	1.85	18.80	£7.67
HPCCD2316	34.50	2.50	170.00	41.00	28.30	35.70	151.94	1.19	26.30	£7.67
HPCCD2317	34.50	2.50	245.00	58.10	28.30	35.70	151.94	0.81	36.30	£7.67
HPCCD2318	34.50	2.50	360.00	83.90	28.30	35.70	151.94	0.55	51.30	£11.58
HPCCD2319	14.00	2.80	20.50	16.40	7.80	14.60	432.14	106.20	15.40	£7.67
HPCCD2320	14.00	2.80	29.00	22.30	7.80	14.60	432.14	52.36	21.00	£7.67
HPCCD2321	14.00	2.80	45.90	34.90	7.80	14.60	432.14	39.05	32.20	£7.67
HPCCD2322	14.00	2.80	71.40	53.30	7.80	14.60	432.14	23.93	49.00	£7.67
HPCCD2323	20.00	2.80	27.20	16.40	13.80	20.60	316.14	29.25	15.40	£7.67
HPCCD2324	20.00	2.80	39.50	22.50	13.80	20.60	316.14	18.63	21.00	£7.67
HPCCD2325	20.00	2.80	64.20	34.90	13.80	20.60	316.14	10.78	32.20	£7.67
HPCCD2326	30.00	2.80	47.00	17.90	23.70	30.70	215.68	7.40	15.40	£7.67
HPCCD2327	30.00	2.80	70.70	24.90	23.70	30.70	215.68	4.71	21.00	£7.67
HPCCD2328	19.20	3.20	27.50	17.80	12.20	19.80	600.42	61.92	17.60	£9.55
HPCCD2329	19.20	3.20	40.00	24.90	12.20	19.80	600.42	39.46	24.00	£9.55
HPCCD2330	19.20	3.20	59.00	35.40	12.20	19.80	600.42	25.56	33.60	£9.55
HPCCD2331	19.20	3.20	83.50	49.00	12.20	19.80	600.42	17.32	46.40	£9.55
HPCCD2332	19.20	3.20	120.00	69.40	12.20	19.80	600.42	11.76	65.60	£9.55
HPCCD2333	23.20	3.20	33.50	18.50	16.10	23.90	480.33	31.78	17.60	£9.55
HPCCD2334	23.20	3.20	49.50	25.90	16.10	23.90	480.33	20.18	24.00	£9.55

Mechanical
Compression Springs

Materials
Stainless Steel
DIN 17224



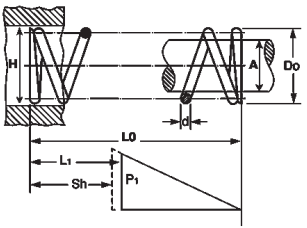
DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2335	23.20	3.20	74.00	37.10	16.10	23.90	480.33	13.07	33.60	£9.55
HPCCD2336	23.20	3.20	105.00	51.60	16.10	23.90	480.33	8.90	46.40	£9.55
HPCCD2337	23.20	3.20	155.00	73.20	16.10	23.90	480.33	6.01	65.60	£9.55
HPCCD2338	28.20	3.20	42.50	19.10	21.10	28.90	383.94	16.18	17.60	£9.55
HPCCD2339	28.20	3.20	63.50	26.30	21.10	28.90	383.94	10.30	24.00	£9.55
HPCCD2340	28.20	3.20	94.50	37.10	21.10	28.90	383.94	6.68	33.60	£9.55
HPCCD2341	28.20	3.20	135.00	51.60	21.10	28.90	383.94	4.54	46.40	£9.55
HPCCD2342	28.20	3.20	200.00	73.20	21.10	28.90	383.94	3.07	65.60	£14.30
HPCCD2343	35.20	3.20	58.50	19.80	27.60	36.40	300.61	7.76	17.60	£9.55
HPCCD2344	35.20	3.20	88.50	27.40	27.60	36.40	300.61	4.93	24.00	£9.55
HPCCD2345	35.20	3.20	135.00	38.80	27.60	36.40	300.61	3.18	33.60	£11.58
HPCCD2346	35.20	3.20	190.00	54.10	27.60	36.40	300.61	2.17	46.40	£14.30
HPCCD2347	35.20	3.20	280.00	77.00	27.60	36.40	300.61	1.47	65.60	£17.41
HPCCD2348	43.20	3.20	82.00	21.20	35.60	44.40	240.17	3.97	17.60	£9.55
HPCCD2349	43.20	3.20	125.00	29.70	35.60	44.40	240.17	2.52	24.00	£9.55
HPCCD2350	43.20	3.20	190.00	42.30	35.60	44.40	240.17	1.63	33.60	£9.55
HPCCD2351	43.20	3.20	275.00	59.20	35.60	44.40	240.17	1.11	46.40	£11.58
HPCCD2352	43.20	3.20	405.00	84.50	35.60	44.40	240.17	0.75	65.60	£14.30
HPCCD2353	24.00	4.00	33.50	22.20	15.30	24.70	890.41	77.53	22.00	£12.74
HPCCD2354	24.00	4.00	49.00	31.00	15.30	24.70	890.41	49.34	30.00	£12.74
HPCCD2355	24.00	4.00	72.00	44.20	15.30	24.70	890.41	31.94	42.00	£12.74
HPCCD2356	24.00	4.00	105.00	61.70	15.30	24.70	890.41	21.73	58.00	£12.74
HPCCD2357	24.00	4.00	150.00	87.70	15.30	24.70	890.41	14.62	82.00	£12.74
HPCCD2358	29.00	4.00	41.00	22.90	20.30	29.70	709.88	39.70	22.00	£12.74
HPCCD2359	29.00	4.00	60.50	32.20	20.30	29.70	709.88	25.24	30.00	£12.74
HPCCD2360	29.00	4.00	89.50	46.00	20.30	29.70	709.88	16.34	42.00	£12.74

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCCD2361	29.00	4.00	130.00	64.50	20.30	29.70	709.88	11.11	58.00	£12.74
HPCCD2362	29.00	4.00	185.00	92.10	20.30	29.70	709.88	7.51	82.00	£15.79
HPCCD2363	36.00	4.00	53.50	24.00	27.00	37.00	554.67	18.95	22.00	£12.74
HPCCD2364	36.00	4.00	79.50	33.30	27.00	37.00	554.67	12.01	30.00	£12.74
HPCCD2365	36.00	4.00	120.00	47.20	27.00	37.00	554.67	7.79	42.00	£12.74
HPCCD2366	36.00	4.00	170.00	65.80	27.00	37.00	554.67	5.29	58.00	£15.79
HPCCD2367	36.00	4.00	250.00	93.60	27.00	37.00	554.67	3.58	82.00	£15.79
HPCCD2368	44.00	4.00	71.00	25.20	34.80	45.20	443.57	9.72	22.00	£12.74
HPCCD2369	44.00	4.00	105.00	35.10	34.80	45.20	443.57	6.16	30.00	£12.74
HPCCD2370	44.00	4.00	160.00	50.00	34.80	45.20	443.57	3.99	42.00	£12.74
HPCCD2371	44.00	4.00	235.00	69.80	34.80	45.20	443.57	2.72	58.00	£15.79
HPCCD2372	44.00	4.00	340.00	99.60	34.80	45.20	443.57	1.83	82.00	£20.55
HPCCD2373	54.00	4.00	99.00	27.40	44.00	56.00	355.35	4.96	22.00	£11.58
HPCCD2374	54.00	4.00	150.00	38.60	44.00	56.00	355.35	3.16	30.00	£12.74
HPCCD2375	54.00	4.00	230.00	55.40	44.00	56.00	355.35	2.04	42.00	£17.41
HPCCD2376	54.00	4.00	335.00	77.80	44.00	56.00	355.35	1.39	58.00	£18.94
HPCCD2377	54.00	4.00	490.00	111.00	44.00	56.00	355.35	0.94	82.00	£22.21
HPCCD2378	30.00	5.00	41.00	27.60	19.30	30.70	1307.03	97.21	27.50	£11.58
HPCCD2379	30.00	5.00	60.00	38.50	19.30	30.70	1307.03	61.68	37.50	£11.58
HPCCD2380	30.00	5.00	87.50	54.90	19.30	30.70	1307.03	39.87	52.50	£12.74
HPCCD2381	30.00	5.00	125.00	76.70	19.30	30.70	1307.03	27.15	72.50	£12.74
HPCCD2382	30.00	5.00	180.00	109.00	19.30	30.70	1307.03	18.30	102.50	£18.94
HPCCD2383	37.00	5.00	51.00	28.70	26.00	38.00	1021.12	46.16	27.50	£11.58
HPCCD2384	37.00	5.00	75.00	40.20	26.00	38.00	1021.12	29.40	37.50	£12.74
HPCCD2385	37.00	5.00	110.00	57.50	26.00	38.00	1021.12	19.03	52.50	£12.74
HPCCD2386	37.00	5.00	160.00	80.50	26.00	38.00	1021.12	12.90	72.50	£18.94
HPCCD2387	37.00	5.00	230.00	115.00	26.00	38.00	1021.12	8.74	102.50	£18.94
HPCCD2388	45.00	5.00	64.00	29.60	34.00	46.00	816.90	23.61	27.50	£12.74
HPCCD2389	45.00	5.00	95.50	41.10	34.00	46.00	816.90	15.03	37.50	£12.74
HPCCD2390	45.00	5.00	140.00	58.40	34.00	46.00	816.90	9.72	52.50	£18.94
HPCCD2391	45.00	5.00	205.00	81.40	34.00	46.00	816.90	6.61	72.50	£18.94
HPCCD2392	45.00	5.00	300.00	116.00	34.00	46.00	816.90	4.46	102.50	£18.94
HPCCD2393	55.00	5.00	85.00	30.90	43.00	57.00	653.51	12.09	27.50	£12.74

'Never Knowingly Outpriced'

Materials
Music Wire
DIN 17223



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

COMPRESSION SPRINGS

Our compression springs provide design engineers, draughtsmen, production and maintenance departments with precision engineered springs in an economical and time-saving way. Our service saves time and therefore money, as design work and calculations are no longer required.

KEY TO MEASUREMENTS

D0 = Outside diameter mm.
d = Wire diameter mm
L0 = Free length mm.
L1 = Loaded length (min. working length)
A = To work over axle size mm.
H = To work in hole size mm.
P1 = Load at L1 Newtons.
R = Rate N/mm.
Sh = Approx solid height mm.
Lx = Spring compression length mm.

ADDITIONAL TECHNICAL DATA

Materials

MUSIC WIRE to DIN 17223. Class C. No 1,1200. BS5216 ND3 or HD3-AMS 5112.
Commercial 302 AMS 5688 spring temper.

Coiled
Right hand.

Ends
Wire up to 0.8mm, squared and unground.
Wire over 1.0mm, squared and ground.

tolerances
All dimensions and forces to DIN 2095 (Grade 2).

Loads
Load values shown are based on a service life of 50,000 cycles at 0.50 stress range.
For normal service, springs should not be compressed below L1.

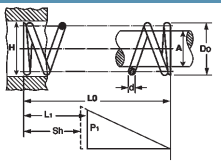
Surface finish
Normal wire oiled. Shot-peened and plated finishes supplied on request.
Allow sufficient time for special finishes.
To determine the load at any working length use rate proposed deflection.

P1= (L0 - Lx) x R where Lx is spring compression length. Reference only.

1 lb = 4.448 Newtons
1 Newton = 0.225 lb
1 kg. = 9.80665 Newtons
1 Newton = 0.10197 kg

Mechanical
Compression Springs

Materials
Music Wire DIN 17223



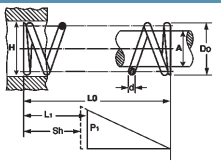
DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1090	2.90	0.40	4.30	2.80	1.80	3.30	7.16	4.77	2.60	£1.83
HPCD1091	2.90	0.40	6.30	3.90	1.80	3.30	7.16	3.04	3.40	£1.83
HPCD1092	2.90	0.40	9.10	5.40	1.80	3.30	7.16	1.96	4.60	£1.83
HPCD1093	2.90	0.40	13.00	7.50	1.80	3.30	7.16	1.33	6.20	£1.83
HPCD1094	2.90	0.40	18.50	10.60	1.80	3.30	7.16	0.90	8.60	£1.83
HPCD1095	3.60	0.40	5.60	2.80	2.50	4.00	6.37	2.28	2.60	£1.83
HPCD1096	3.60	0.40	8.30	3.90	2.50	4.00	6.37	1.45	3.40	£1.83
HPCD1097	3.60	0.40	12.00	5.40	2.50	4.00	6.37	0.94	4.60	£1.83
HPCD1098	3.60	0.40	17.50	7.50	2.50	4.00	6.37	0.64	6.20	£1.83
HPCD1099	3.60	0.40	25.50	10.60	2.50	4.00	6.37	0.43	8.60	£1.83
HPCD1100	4.40	0.40	7.50	3.00	3.20	5.00	5.25	1.17	2.60	£1.83
HPCD1101	4.40	0.40	11.00	4.10	3.20	5.00	5.25	0.74	3.40	£1.83
HPCD1102	4.40	0.40	16.50	5.80	3.20	5.00	5.25	0.48	4.60	£1.83
HPCD1103	4.40	0.40	24.00	8.00	3.20	5.00	5.25	0.32	6.20	£1.83
HPCD1104	4.40	0.40	35.50	11.40	3.20	5.00	5.25	0.22	8.60	£1.83
HPCD1105	5.40	0.40	10.50	3.20	4.10	6.00	4.36	0.60	2.60	£1.83
HPCD1106	5.40	0.40	16.00	4.50	4.10	6.00	4.36	0.38	3.40	£1.83
HPCD1107	5.40	0.40	24.00	6.40	4.10	6.00	4.36	0.25	4.60	£1.83
HPCD1108	5.40	0.40	35.00	9.00	4.10	6.00	4.36	0.17	6.20	£1.83
HPCD1109	5.40	0.40	53.00	12.80	4.10	6.00	4.36	0.11	8.60	£1.83
HPCD1110	3.00	0.50	4.40	3.50	1.70	3.40	10.40	11.58	3.30	£1.83
HPCD1111	3.00	0.50	6.10	4.70	1.70	3.40	10.40	7.42	4.30	£1.83
HPCD1112	3.00	0.50	8.70	6.50	1.70	3.40	10.40	4.80	5.80	£1.83
HPCD1113	3.00	0.50	12.00	9.00	1.70	3.40	10.40	3.27	7.80	£1.83
HPCD1114	3.00	0.50	17.50	12.80	1.70	3.40	10.40	2.21	10.80	£1.83
HPCD1115	3.70	0.50	5.50	3.70	2.40	4.10	10.00	5.57	3.30	£1.83
HPCD1116	3.70	0.50	7.90	5.10	2.40	4.10	10.00	3.53	4.30	£1.83

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1117	3.70	0.50	11.50	7.10	2.40	4.10	10.00	2.28	5.80	£1.83
HPCD1118	3.70	0.50	16.00	9.80	2.40	4.10	10.00	1.56	7.80	£1.83
HPCD1119	3.70	0.50	23.50	14.00	2.40	4.10	10.00	1.05	10.80	£1.83
HPCD1120	4.50	0.50	7.00	3.70	3.20	5.00	9.32	2.83	3.30	£1.83
HPCD1121	4.50	0.50	10.00	5.10	3.20	5.00	9.32	1.81	4.30	£1.83
HPCD1122	4.50	0.50	15.00	7.10	3.20	5.00	9.32	1.17	5.80	£1.83
HPCD1123	4.50	0.50	21.50	9.80	3.20	5.00	9.32	0.79	7.80	£1.83
HPCD1124	4.50	0.50	31.00	14.00	3.20	5.00	9.32	0.54	10.80	£1.83
HPCD1125	5.50	0.50	9.40	3.90	4.00	6.20	8.04	1.46	3.30	£1.83
HPCD1126	5.50	0.50	14.00	5.40	4.00	6.20	8.04	0.93	4.30	£1.83
HPCD1127	5.50	0.50	20.50	7.60	4.00	6.20	8.04	0.61	5.80	£1.83
HPCD1128	5.50	0.50	30.00	10.60	4.00	6.20	8.04	0.41	7.80	£1.83
HPCD1129	5.50	0.50	44.50	15.10	4.00	6.20	8.04	0.27	10.80	£1.83
HPCD1130	6.80	0.50	13.50	4.30	5.30	7.50	6.57	0.73	3.30	£1.83
HPCD1131	6.80	0.50	20.00	6.00	5.30	7.50	6.57	0.46	4.30	£1.83
HPCD1132	6.80	0.50	30.00	8.70	5.30	7.50	6.57	0.30	5.80	£1.83
HPCD1133	6.80	0.50	44.00	12.20	5.30	7.50	6.57	0.21	7.80	£1.83
HPCD1134	6.80	0.50	65.00	17.40	5.30	7.50	6.57	0.14	10.80	£1.83
HPCD1135	3.83	0.63	5.50	4.00	2.30	4.20	20.99	14.02	4.10	£1.83
HPCD1136	3.83	0.63	7.80	5.40	2.30	4.20	20.99	8.90	5.40	£1.83
HPCD1137	3.83	0.63	11.00	7.50	2.30	4.20	20.99	5.77	7.30	£1.83
HPCD1138	3.83	0.63	15.50	10.30	2.30	4.20	20.99	3.93	9.80	£1.83
HPCD1139	3.83	0.63	22.50	14.70	2.30	4.20	20.99	2.65	13.50	£1.83
HPCD1140	4.63	0.63	6.70	4.30	3.00	5.00	17.16	7.16	4.10	£1.83
HPCD1141	4.63	0.63	9.60	5.80	3.00	5.00	17.16	4.55	5.40	£1.83
HPCD1142	4.63	0.63	14.00	8.20	3.00	5.00	17.16	2.94	7.30	£1.83
HPCD1143	4.63	0.63	20.00	11.30	3.00	5.00	17.16	2.00	9.80	£1.83
HPCD1144	4.63	0.63	29.00	16.20	3.00	5.00	17.16	1.35	13.50	£1.83
HPCD1145	5.63	0.63	8.50	4.30	3.90	6.10	15.49	3.69	4.10	£1.83
HPCD1146	5.63	0.63	12.50	5.80	3.90	6.10	15.49	2.35	5.40	£1.83
HPCD1147	5.63	0.63	18.50	8.20	3.90	6.10	15.49	1.55	7.30	£1.83
HPCD1148	5.63	0.63	26.00	11.30	3.90	6.10	15.49	1.03	9.80	£1.83
HPCD1149	5.63	0.63	38.50	16.20	3.90	6.10	15.49	0.70	13.50	£1.83
HPCD1150	6.93	0.63	11.50	4.60	5.00	7.60	12.45	1.83	4.10	£1.83
HPCD1151	6.93	0.63	17.00	6.20	5.00	7.60	12.45	1.17	5.40	£1.83
HPCD1152	6.93	0.63	25.50	8.90	5.00	7.60	12.45	0.76	7.30	£1.83
HPCD1153	6.93	0.63	36.50	12.30	5.00	7.60	12.45	0.51	9.80	£1.83
HPCD1154	6.93	0.63	54.00	17.70	5.00	7.60	12.45	0.34	13.50	£1.83
HPCD1155	8.63	0.63	16.00	5.10	6.80	9.40	10.00	0.89	4.10	£1.83
HPCD1156	8.63	0.63	24.50	7.10	6.80	9.40	10.00	0.57	5.40	£1.83

Mechanical
Compression Springs

Materials
Music Wire
DIN 17223



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

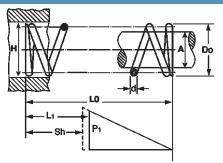
PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1157	8.63	0.63	37.00	10.20	6.80	9.40	10.00	0.37	7.30	£1.83
HPCD1158	8.63	0.63	55.00	14.30	6.80	9.40	10.00	0.25	9.80	£1.83
HPCD1159	8.63	0.63	80.50	20.60	6.80	9.40	10.00	0.17	13.50	£1.83
HPCD1160	4.80	0.80	6.90	5.20	2.80	5.30	31.87	18.53	5.20	£1.83
HPCD1161	4.80	0.80	9.70	7.00	2.80	5.30	31.87	11.87	6.80	£1.83
HPCD1162	4.80	0.80	14.00	9.80	2.80	5.30	31.87	7.67	9.20	£1.83
HPCD1163	4.80	0.80	19.50	13.50	2.80	5.30	31.87	5.22	12.40	£1.83
HPCD1164	4.80	0.80	28.00	19.10	2.80	5.30	31.87	3.52	17.20	£1.83
HPCD1165	5.80	0.80	8.30	5.60	3.80	6.30	25.99	9.53	5.20	£1.83
HPCD1166	5.80	0.80	12.00	7.70	3.80	6.30	25.99	6.07	6.80	£1.83
HPCD1167	5.80	0.80	17.50	10.90	3.80	6.30	25.99	3.92	9.20	£1.83
HPCD1168	5.80	0.80	24.50	15.10	3.80	6.30	25.99	2.67	12.40	£1.83
HPCD1169	5.80	0.80	36.00	21.50	3.80	6.30	25.99	1.80	17.20	£1.83
HPCD1170	7.10	0.80	10.50	5.60	5.00	7.70	24.03	4.77	5.20	£1.83
HPCD1171	7.10	0.80	15.50	7.70	5.00	7.70	24.03	3.03	6.80	£1.83
HPCD1172	7.10	0.80	23.00	10.90	5.00	7.70	24.03	1.96	9.20	£1.83
HPCD1173	7.10	0.80	33.00	15.10	5.00	7.70	24.03	1.33	12.40	£1.83
HPCD1174	7.10	0.80	48.00	21.50	5.00	7.70	24.03	0.90	17.20	£1.83
HPCD1175	8.80	0.80	14.50	6.10	6.60	9.60	19.52	2.32	5.20	£1.83
HPCD1176	8.80	0.80	21.50	8.40	6.60	9.60	19.52	1.48	6.80	£1.83
HPCD1177	8.80	0.80	32.00	12.00	6.60	9.60	19.52	0.96	9.20	£1.83
HPCD1178	8.80	0.80	47.00	16.70	6.60	9.60	19.52	0.65	12.40	£1.83
HPCD1179	8.80	0.80	68.00	23.80	6.60	9.60	19.52	0.44	17.20	£1.83
HPCD1180	10.80	0.80	20.00	6.90	8.60	11.60	15.40	1.20	5.20	£1.83
HPCD1181	10.80	0.80	30.00	9.80	8.60	11.60	15.40	0.76	6.80	£1.83
HPCD1182	10.80	0.80	45.50	14.30	8.60	11.60	15.40	0.49	9.20	£1.83
HPCD1183	10.80	0.80	66.00	19.90	8.60	11.60	15.40	0.33	12.40	£1.83

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1184	10.80	0.80	96.50	28.50	8.60	11.60	15.40	0.23	17.20	£1.83
HPCD1185	6.00	1.00	8.50	6.60	3.60	6.50	43.74	23.24	5.50	£3.16
HPCD1186	6.00	1.00	12.00	9.00	3.60	6.50	43.74	14.81	7.50	£3.16
HPCD1187	6.00	1.00	17.00	12.60	3.60	6.50	43.74	9.57	10.50	£3.16
HPCD1188	6.00	1.00	24.00	17.40	3.60	6.50	43.74	6.51	14.50	£3.16
HPCD1189	6.00	1.00	34.50	24.60	3.60	6.50	43.74	4.40	20.50	£3.16
HPCD1190	7.30	1.00	10.00	7.00	4.90	7.80	34.60	11.57	5.50	£3.16
HPCD1191	7.30	1.00	14.50	9.80	4.90	7.80	34.60	7.39	7.50	£3.16
HPCD1192	7.30	1.00	21.50	14.30	4.90	7.80	34.60	4.79	10.50	£3.16
HPCD1193	7.30	1.00	30.50	19.90	4.90	7.80	34.60	3.26	14.50	£3.16
HPCD1194	7.30	1.00	43.50	28.30	4.90	7.80	34.60	2.20	20.50	£3.16
HPCD1195	9.00	1.00	13.00	7.30	6.50	9.60	32.36	5.68	5.50	£3.16
HPCD1196	9.00	1.00	19.00	10.10	6.50	9.60	32.36	3.61	7.50	£3.16
HPCD1197	9.00	1.00	28.50	14.60	6.50	9.60	32.36	2.33	10.50	£3.16
HPCD1198	9.00	1.00	40.50	20.10	6.50	9.60	32.36	1.59	14.50	£3.16
HPCD1199	9.00	1.00	59.00	28.90	6.50	9.60	32.36	1.08	20.50	£3.16
HPCD1200	11.00	1.00	17.50	8.00	8.40	11.80	27.36	2.90	5.50	£3.16
HPCD1201	11.00	1.00	26.00	11.20	8.40	11.80	27.36	1.85	7.50	£3.16
HPCD1202	11.00	1.00	39.00	16.00	8.40	11.80	27.36	1.20	10.50	£3.16
HPCD1203	11.00	1.00	56.00	22.40	8.40	11.80	27.36	0.81	14.50	£3.16
HPCD1204	11.00	1.00	81.50	32.00	8.40	11.80	27.36	0.55	20.50	£3.16
HPCD1205	13.50	1.00	24.00	9.40	10.80	14.40	21.97	1.49	5.50	£3.16
HPCD1206	13.50	1.00	36.50	13.40	10.80	14.40	21.97	0.95	7.50	£3.16
HPCD1207	13.50	1.00	55.50	19.40	10.80	14.40	21.97	0.61	10.50	£3.16
HPCD1208	13.50	1.00	80.50	27.40	10.80	14.40	21.97	0.41	14.50	£3.16
HPCD1209	13.50	1.00	115.00	39.40	10.80	14.40	21.97	0.28	20.50	£3.16
HPCD1210	7.55	1.25	12.00	7.20	4.70	8.10	133.37	29.03	6.90	£3.16
HPCD1211	7.55	1.25	17.00	9.80	4.70	8.10	133.37	18.04	9.40	£3.16
HPCD1212	7.55	1.25	25.00	13.80	4.70	8.10	133.37	11.77	13.10	£3.16
HPCD1213	7.55	1.25	35.50	19.20	4.70	8.10	133.37	8.09	18.10	£3.16
HPCD1214	7.55	1.25	51.50	27.10	4.70	8.10	133.37	5.39	25.60	£3.16
HPCD1215	9.25	1.25	15.00	7.40	6.10	9.60	104.93	14.32	6.90	£3.16
HPCD1216	9.25	1.25	22.00	10.50	6.10	9.60	104.93	8.92	9.40	£3.16
HPCD1217	9.25	1.25	33.00	14.90	6.10	9.60	104.93	5.83	13.10	£3.16
HPCD1218	9.25	1.25	47.50	21.00	6.10	9.60	104.93	3.96	18.10	£3.16
HPCD1219	9.25	1.25	69.00	30.00	6.10	9.60	104.93	2.69	25.60	£3.16
HPCD1220	11.25	1.25	20.00	7.70	8.20	11.90	85.42	7.09	6.90	£3.16
HPCD1221	11.25	1.25	29.50	10.80	8.20	11.90	85.42	4.51	9.40	£3.16
HPCD1222	11.25	1.25	44.50	15.20	8.20	11.90	85.42	2.92	13.10	£3.16
HPCD1223	11.25	1.25	64.00	21.10	8.20	11.90	85.42	1.99	18.10	£3.16

Mechanical Compression Springs

Materials

Music Wire DIN 17223



DISCOUNTS	
1 - 5	List Price
6 - 10	-5%
11 - 25	-10%
26 - 50	-20%
51 - 99	-25%
100 - 199	-30%
200 +	-50%

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1224	11.25	1.25	93.50	30.00	8.20	11.90	85.42	1.34	25.60	£3.16
HPCD1225	13.75	1.25	27.00	8.20	10.60	14.60	69.04	3.63	6.90	£3.16
HPCD1226	13.75	1.25	41.50	11.60	10.60	14.60	69.04	2.31	9.40	£3.16
HPCD1227	13.75	1.25	62.50	16.50	10.60	14.60	69.04	1.49	13.10	£3.16
HPCD1228	13.75	1.25	90.50	23.10	10.60	14.60	69.04	1.02	18.10	£3.16
HPCD1229	13.75	1.25	130.00	32.90	10.60	14.60	69.04	0.69	25.60	£3.16
HPCD1230	17.25	1.25	40.50	9.10	14.10	18.20	54.23	1.73	6.90	£3.16
HPCD1231	17.25	1.25	62.00	12.90	14.10	18.20	54.23	1.10	9.40	£3.16
HPCD1232	17.25	1.25	94.00	18.50	14.10	18.20	54.23	0.72	13.10	£3.16
HPCD1233	17.25	1.25	140.00	26.00	14.10	18.20	54.23	0.48	18.10	£3.16
HPCD1234	17.25	1.25	205.00	37.30	14.10	18.20	54.23	0.32	25.60	£3.16
HPCD1235	9.60	1.60	14.50	9.00	5.90	10.10	211.82	37.27	8.80	£3.94
HPCD1236	9.60	1.60	21.50	12.60	5.90	10.10	211.82	23.73	12.00	£3.94
HPCD1237	9.60	1.60	31.50	17.90	5.90	10.10	211.82	15.40	16.80	£3.94
HPCD1238	9.60	1.60	45.00	24.80	5.90	10.10	211.82	10.40	23.20	£3.94
HPCD1239	9.60	1.60	65.50	35.20	5.90	10.10	211.82	7.05	32.80	£3.94
HPCD1240	11.60	1.60	18.50	9.40	7.90	12.10	169.66	19.12	8.80	£3.94
HPCD1241	11.60	1.60	27.00	13.20	7.90	12.10	169.66	12.16	12.00	£3.94
HPCD1242	11.60	1.60	40.50	18.90	7.90	12.10	169.66	7.87	16.80	£3.94
HPCD1243	11.60	1.60	58.50	26.50	7.90	12.10	169.66	5.33	23.20	£3.94
HPCD1244	11.60	1.60	85.00	37.90	7.90	12.10	169.66	3.61	32.80	£3.94
HPCD1245	14.10	1.60	24.00	10.00	10.30	14.70	135.33	9.76	8.80	£3.94
HPCD1246	14.10	1.60	36.00	14.10	10.30	14.70	135.33	6.23	12.00	£3.94
HPCD1247	14.10	1.60	53.50	20.10	10.30	14.70	135.33	4.04	16.80	£3.94
HPCD1248	14.10	1.60	78.00	28.00	10.30	14.70	135.33	2.73	23.20	£3.94
HPCD1249	14.10	1.60	115.00	39.90	10.30	14.70	135.33	1.84	32.80	£3.94
HPCD1250	17.60	1.60	34.00	11.00	13.70	18.30	105.91	4.65	8.80	£3.94
HPCD1251	17.60	1.60	51.50	15.50	13.70	18.30	105.91	2.96	12.00	£3.94

PART NUMBER	Outside Ø D0	Ø Wire d	Free Length L0	Loaded Length L1	Axle Ø Size A	Bore Ø Size H	Load at L1 N P1	Rate N/mm R	Solid Height Sh	Price Each 1-5
HPCD1252	17.60	1.60	77.50	22.20	13.70	18.30	105.91	1.92	16.80	£3.94
HPCD1253	17.60	1.60	110.00	31.20	13.70	18.30	105.91	1.30	23.20	£3.94
HPCD1254	17.60	1.60	165.00	44.60	13.70	18.30	105.91	0.88	32.80	£3.94
HPCD1255	21.60	1.60	48.00	12.40	17.50	22.50	84.83	2.38	8.80	£3.94
HPCD1256	21.60	1.60	73.50	17.60	17.50	22.50	84.83	1.52	12.00	£3.94
HPCD1257	21.60	1.60	110.00	25.50	17.50	22.50	84.83	0.99	16.80	£3.94
HPCD1258	21.60	1.60	165.00	36.00	17.50	22.50	84.83	0.67	23.20	£3.94
HPCD1259	21.60	1.60	240.00	51.80	17.50	22.50	84.83	0.45	32.80	£3.94
HPCD1260	12.00	2.00	18.00	11.20	7.50	12.50	317.74	46.58	11.00	£3.94
HPCD1261	12.00	2.00	26.50	15.60	7.50	12.50	317.74	29.71	15.00	£3.94
HPCD1262	12.00	2.00	38.50	22.00	7.50	12.50	317.74	19.22	21.00	£3.94
HPCD1263	12.00	2.00	55.00	30.60	7.50	12.50	317.74	13.04	29.00	£3.94
HPCD1264	12.00	2.00	79.50	43.40	7.50	12.50	317.74	8.81	41.00	£3.94
HPCD1265	14.50	2.00	22.50	11.70	9.90	15.10	253.99	23.93	11.00	£3.94
HPCD1266	14.50	2.00	33.00	16.40	9.90	15.10	253.99	15.20	15.00	£3.94
HPCD1267	14.50	2.00	49.50	23.50	9.90	15.10	253.99	9.81	21.00	£3.94
HPCD1268	14.50	2.00	71.00	33.00	9.90	15.10	253.99	6.69	29.00	£3.94
HPCD1269	14.50	2.00	105.00	47.20	9.90	15.10	253.99	4.52	41.00	£3.94
HPCD1270	18.00	2.00	30.00	12.50	13.40	18.60	198.09	11.38	11.00	£3.94
HPCD1271	18.00	2.00	45.00	17.70	13.40	18.60	198.09	7.24	15.00	£3.94
HPCD1272	18.00	2.00	68.00	25.50	13.40	18.60	198.09	4.69	21.00	£3.94
HPCD1273	18.00	2.00	98.00	35.90	13.40	18.60	198.09	3.19	29.00	£3.94
HPCD1274	18.00	2.00	145.00	51.40	13.40	18.60	198.09	2.16	41.00	£3.94
HPCD1275	22.00	2.00	41.00	13.60	17.10	22.90	158.87	5.83	11.00	£3.94
HPCD1276	22.00	2.00	62.00	19.20	17.10	22.90	158.87	3.71	15.00	£3.94
HPCD1277	22.00	2.00	94.00	27.60	17.10	22.90	158.87	2.39	21.00	£3.94
HPCD1278	22.00	2.00	135.00	38.80	17.10	22.90	158.87	1.63	29.00	£3.94
HPCD1279	22.00	2.00	200.00	55.60	17.10	22.90	158.87	1.10	41.00	£3.94
HPCD1280	27.00	2.00	58.00	15.00	22.00	27.90	127.49	2.98	11.00	£3.94
HPCD1281	27.00	2.00	88.50	21.40	22.00	27.90	127.49	1.90	15.00	£3.94
HPCD1282	27.00	2.00	135.00	31.00	22.00	27.90	127.49	1.23	21.00	£3.94
HPCD1283	27.00	2.00	195.00	43.80	22.00	27.90	127.49	0.83	29.00	£3.94
HPCD1284	27.00	2.00	290.00	63.00	22.00	27.90	127.49	0.57	41.00	£3.94
HPCD1285	11.00	2.20	16.20	12.90	6.00	11.60	337.35	100.03	12.10	£3.94
HPCD1286	11.00	2.20	23.00	17.70	6.00	11.60	337.35	63.55	16.50	£3.94
HPCD1287	11.00	2.20	36.50	27.40	6.00	11.60	337.35	36.87	25.30	£3.94
HPCD1288	11.00	2.20	56.80	41.90	6.00	11.60	337.35	22.56	38.50	£3.94
HPCD1289	15.00	2.20	20.00	12.90	10.00	15.60	256.93	32.46	12.10	£3.94
HPCD1290	15.00	2.20	30.20	17.70	10.00	15.60	256.93	20.69	16.50	£3.94
HPCD1291	15.00	2.20	48.90	27.40	10.00	15.60	256.93	11.96	25.30	£3.94
HPCD1292	24.00	2.20	39.20	14.00	18.90	24.70	165.73	6.57	12.10	£3.94