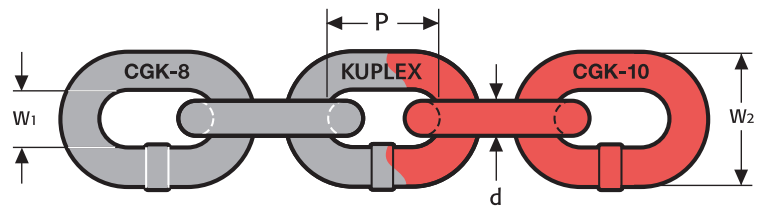


Crosby® Kuplex®

Technical Details

All Crosby KUPLEX chain meets the dimensional requirements of BS EN 818-2 and ISO 3076. All Crosby KUPLEX chain is either double embossed with Crosby KUPLEX one side and the Grade 8 or 10 on the other, or single embossed with CGK-8 to denote Crosby KUPLEX Grade 8 or CGK-10 to denote Crosby KUPLEX Grade 10, every 20th link or 1 metre, whichever is the lesser distance.



Dimensions and Weights

Nominal Size (d) Diameter mm	Crosby Stock No.	Reference No.	Grade	Nominal Pitch (p) mm	Maximum External Width (W ₂) mm	Minimum Internal Width (W ₁) mm	Approx. Weight kg/m
7	2780002 2780093	07021RKB 07021RPC	8 10	21	25.9	9.1	1.09
8	2780011	08024RKB	8	24	29.62	10.4	1.4
10	2780020 2780100	10030RKB 10030RPC	8 10	30	37	13	2.2
13	2780039 2780119	13039RKB 13039RPC	8 10	39	48.1	16.9	3.62
16	2780048 2780128	16048RKB 16048RPC	8 10	48	59.2	20.8	5.42
19	2780060 2780137	19057RKB 19057RPC	8 10	57	70.3	24.7	7.96
23	2780066 2780151	23069RKO 23069RPO	8 10	69	85.1	29.9	11.83
26	2780080 2780159	26078RKO 26078RPO	8 10	78	96.2	33.8	14.99
32	2780084 2780164	32096RKO 32096RPO	8 10	96	118	41.6	21.99

Test Requirements and Working Load Limits

Size mm	Breaking Force Min. kN	Mfg. Proof Force kN	Working Load Limit Tonnes	Mean Stress at Breaking Force N/mm ² Factor 4	Mean Stress at Proof Force N/mm ² Factor 2.5	Mean Stress at WLL N/mm ² Factor 1
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Crosby KUPLEX Grade 8 Chain and Components

7	61.6	38.5	1.5	800	500	200
8	80.6	50.3	2			
10	126	78.5	3.2			
13	214	133	5.3			
16	322	201	8			
19	454	284	11.2			
23	666	415	16			
26	850	531	21.2			
32	1,290	804	31.5			

KUPLEX GRADE 8 CHAIN IS COLOUR CODED BLACK

Crosby KUPLEX Grade 10 Chain and Components

7	77	49	2	1,000	625	250
10	158	98	4			
13	266	166	6.7			
16	402	251	10			
19	567	354	14			
23	831	519	21			
26	1,062	664	27			
32	1,609	1,005	40			

KUPLEX GRADE 10 CHAIN IS COLOUR CODED RED

Bend and Tensile Test as Specified in EN 818-2

Chain Dia. mm	Bend Deflection f Min. mm	Number of Samples per 200m Lot
7	5.6	2
8	6.4	2
10	8	2
13	10	2
16	13	2
19	15	1
23	18	1
26	21	1
32	26	1

Single link samples are taken from a lot size of 200m and bent to a minimum deflection f, as specified in the table above. Following removal of the force, the link is examined by a competent person. The link has to withstand the specified deflection for that diameter without any visible defects.

Tensile Test

Samples of chain as specified above, and in the finished condition, are subjected to a static tensile test and have to meet the minimum breaking force requirements as stated in the adjacent table, with a total ultimate elongation of not less than 20%.

Crosby Routine Component Sampling

All Crosby KUPLEX components are routinely verified with tensile and fatigue testing, above and beyond any current National or International Standards requirement.