

# Chain Kuplex 8+10

## **Product information**

All Kuplex chain meets the dimensional requirements of BS EN 818-2 and ISO 3076. It is marked Kuplex 8 or 10 at each twentieth link or 1 metre whichever is the lesser distance.

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%.

### Parsons Chain Routine Component Sampling

All Kuplex components are routinely verified with tensile and fatigue testing. This is a Parsons Chain company internal specification, above and beyond any current National or International Standards requirement.

Grade: 10



Part Code	Chain diameter mm	Bend deflection f min. mm	Number of Samples per 200 m LOT
20350070000030	7	5.6	2
20350080000030	8	6.4	2
20350100000030	10	8	2
20350130000030	13	10	2
20350160000030	16	13	2
20350190000030	19	15	1
20350230000030	23	18	1
20350260000030	26	21	1
20350320000030	32	26	1

# **Technical data**

Test Requirements and Working Load Limits - Kuplex Grade 8 Chain and Components

Size	Breaking force min	Manufacturing proof force	Working load limit	Mean stress at breaking force N/mm <sup>2</sup> Factor 4	Mean stress at proof force N/mm <sup>2</sup> Factor 2.5	Mean stress at WLL Factor 1
mm	kN	kN	Tonnes			
7	61,6	38,5	1,5	800	500	200
7	61.6	38.5	1.5			
8	80,6	50,3	2			
10	126	78.5	3.15			
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

Test Requirements and Working Load Limits - Kuplex Grade 10 Chain and Components

Size	Breaking force min.	Manufacturing proof force	Working load limit	Mean stress at breaking force N/mm2 Factor 4	Mean stress at proof force N/mm2 Factor 2.5	Mean stress at WLL Factor 1
mm	kN	kN	Tonnes			
7	77	49	2	1000	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			

Blueprint

