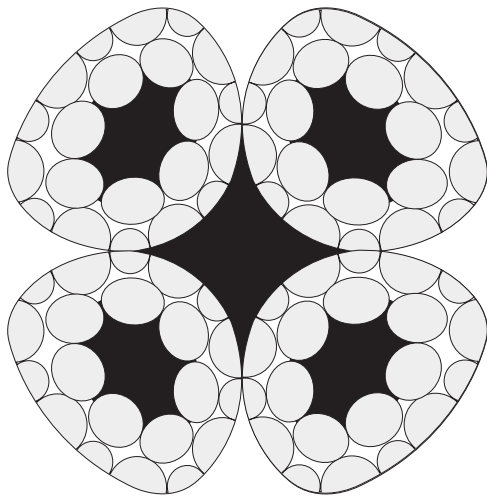


DURAhoist 4CS¹ (Flatten 4CS)



DURAhoist 4CS

is a rotary swaged semi-rotation resistant rope with 4 compacted strands.

Generic Application Advice²

DURAhoist 4CS is a very robust rope construction particularly designed for severe operational conditions.

- Usually chosen for specific applications that require a very robust rope construction able to withstand severe operational conditions.
- DURAhoist 4CS exhibits rotational-resistant properties and is therefore classified as semi-rotation resistant.

Main Properties

- Semi-rotation resistant rope
- Very high breaking force
- Very robust rope construction
- Excellent resistance to wear
- Superior crush resistance

Technical Data

- Load bearing wires in the outer strands and the corresponding RCN (RopeCategoryNumber) according to ISO4309 for cranes.
 - * For all diameters : RCN 21
- Average fill factor : 0.640
- Standard tolerance on diameter : +1% to +4% (other tolerances upon agreement)

Product Types available

- Galvanized
- Regular Lay



• ¹The former UltraPac UP4S • ²Please ask if in doubt about choosing a rope. Youngwire is happy to assist.
Errors and omissions excepted! The cross section shown is just an example and may vary.
Data sheet information is subject to modification without prior notice. The valid data is published on our website.

Nominal diameter		Minimum breaking load						Metallic area	Weight
		1960 N / mm²			2160 N / mm²				
mm	in	kN	ton	lbs	kN	ton	lbs	mm²	kg/m
8.0	5/16	56.1	5.72	12,610	58.1	5.93	13,070	32.4	0.27
8.3		60.0	6.12	13,490	62.0	6.32	13,940	34.0	0.29
9.0		71.0	7.24	15,960	73.8	7.52	16,580	41.1	0.35
9.5		3/8	78.8	8.04	17,720	81.8	8.35	18,400	45.5
10.0	86.6		8.83	19,470	89.8	9.15	20,180	50.0	0.43
11.0	7/16	106	10.8	23,720	109	11.1	24,530	61.0	0.53
12.0		124	12.7	27,920	128	13.1	28,880	72.2	0.63
12.7	1/2	140	14.3	31,510	145	14.8	32,650	81.8	0.71
13.0		146	14.9	32,780	152	15.5	34,120	85.5	0.73
14.0	9/16	168	17.2	37,860	175	17.8	39,350	98.9	0.84
14.3		176	17.9	39,500	183	18.6	41,050	103.1	0.88
15.0		193	19.7	43,460	201	20.5	45,170	113.5	0.97
16.0		5/8	221	22.5	49,700	229	23.4	51,490	129.3
17.0	251		25.5	56,110	259	26.4	58,120	145.9	1.27
18.0	3/4	281	28.7	63,240	292	29.8	65,720	164.5	1.44
19.0		318	32.4	71,490	326	33.2	73,250	183.5	1.61
20.0		351	35.8	78,890	359	36.6	80,790	202.5	1.78
21.0		387	39.5	86,970	396	40.4	89,070	223.2	1.96
22.0	7/8	426	43.5	95,810	438	44.6	98,370	246.2	2.13
23.0		466	47.5	104,720	478	48.8	107,510	269.1	2.33
24.0	1	506	51.6	113,790	518	52.8	116,370	291.8	2.54
25.0		549	56.0	123,470	562	57.3	126,270	316.7	2.76
25.4		566	57.8	127,320	581	59.2	130,600	327.0	2.84
26.0		594	60.5	133,460	608	62.0	136,670	342.2	2.98
27.0	1+1/8	640	65.3	143,920	656	66.9	147,380	369.0	3.21
28.0		690	70.3	155,030	708	72.2	159,060	398.3	3.46
28.6		720	73.4	161,800	739	75.4	166,180	416.4	3.63
29.0		740	75.5	166,350	760	77.5	170,860	428.1	3.73
30.0	1+1/4	781	79.6	175,480	799	81.5	179,650	455.9	3.94
31.0		833	85.0	187,370	853	87.0	191,830	486.7	4.20
32.0	1+1/4	889	90.7	199,870	910	92.8	204,630	519.2	4.51
33.0		946	96.4	212,560	968	98.7	217,620	552.2	4.80
34.0		1,016	103.6	228,330	1,028	104.8	231,090	586.4	5.14

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