Lifting Solutions Group
Axel Johnson International

Synthetic Rope D-TECH

Product information



Composed of HMWPE fibres (High Molecular Weight Polyethylene) and protected by a unique self-impregnation that increases abrasion resistance, D-Tech synthetic rope has a very high breaking load resistance.

The 12 strands construction prevents kinking, it is stronger than a steel wire rope of the same weight, which gives it significant advantages in many applications (see main uses below).

Features:

- Low elongation
- Low operating cost
- Flexible : do not make knots
- Safe and easy to handle
- Easy to splice
- Rotation resistant

Specific gravity : 0,98

Melting point : 150° C

Elongation in % of the breaking load :

- 25 % … 0,9 %
- 50 % … 1,6 %

Main uses:

- Mooring lines
- Anchor lines
- Winch
- Towing and hauling lines

... *Read more*

Material: HMWPE fibres

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Technical data

Part code	Diameter mm	Min. breaking force kN	Weight kg
301200600000170	6	36.7	2.3
301200800000170	8	65.3	4
301201000000170	10	102	6.1
301201200000170	12	147	8.7
301201400000170	14	200	11.7
301201600000170	16	260	15.1
301201800000170	18	310	19
301202000000170	20	380	23.2
301202200000170	22	450	28.1
301202400000170	24	520	33.1
301202600000170	26	600	38.4
301202800000170	28	680	44.5
301203000000170	30	770	50.6
301203200000170	32	870	57.5
301203400000170	34	960	64.8
301203600000170	36	1,040	72
301203800000170	38	1,160	79.8
301204000000170	40	1,260	88.1
301204400000170	44	1,460	106
301204800000170	48	1,700	125
301205200000170	52	1,970	146
301205600000170	56	2,260	169
301206000000170	60	2,530	193
301206400000170	64	2,840	220
301206800000170	68	3,170	248
301207200000170	72	3,520	278
301207600000170	76	3,890	309
301208000000170	80	4,300	343
301208800000170	88	5,200	417
301209600000170	96	6,180	497

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