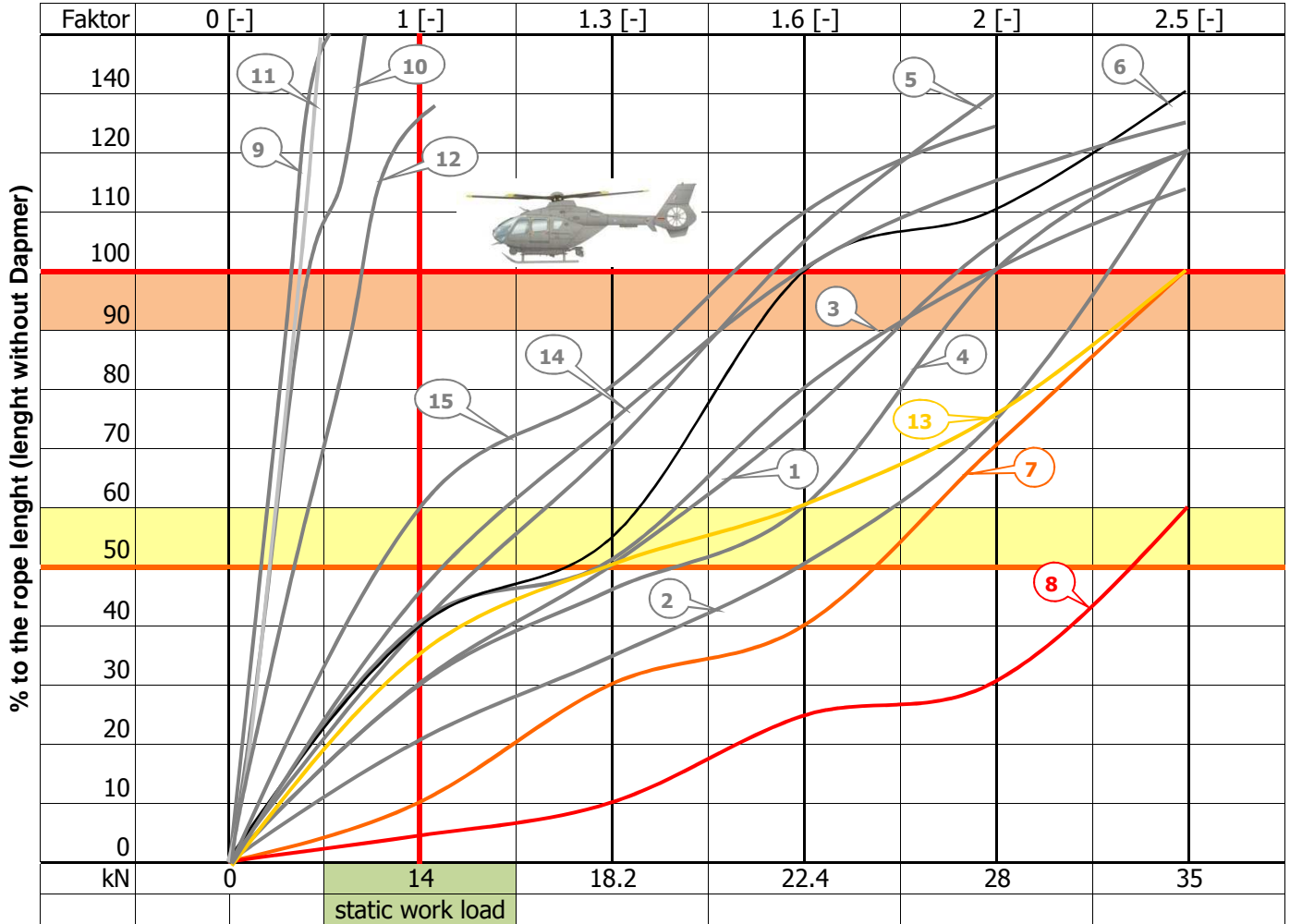
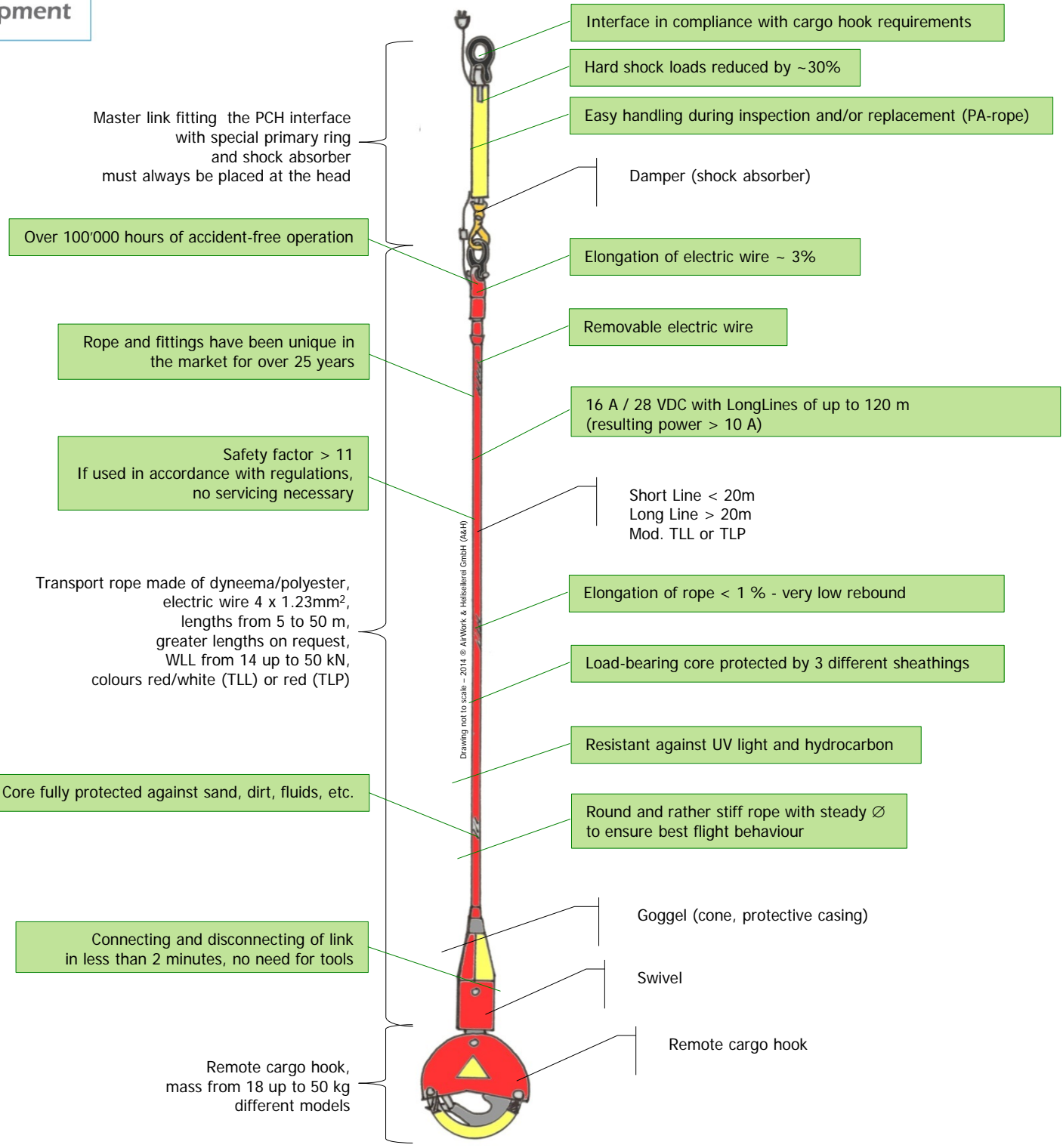


The safest rope for helicopter external sling load operation (HESLO) in case of an broken link, loss of traffic load (no rope damage)



Job Nr.	Job	Type of rope, configuration	m eff.	Legend
	1	steel rope, non-twisting type, damper above	20	
	2	steel rope, non-twisting type, no damper available	20	50-60%
	3	Dyneema core-cover rope 16 mm, Damper above	30	max. acceptable upthrow
	4	Dyneema core-cover rope 16 mm, no damper available	30	
	5	Dyneema 6x5mm, damper above	20	> 90% write-off
	6	Dyneema 6x5mm, no damper available	20	Crew and Helicopter
	7	TLL_15_20, damper above	20	
	8	TLL_15_20, no damper available	20	
	9	PP Monofile 18 mm, no damper available	15	
	10	German Airforce multi-sling-leg, no damper available; 1 leg	4	
	11	German Airforce multi-sling-leg, no damper available; 1 leg	4	
	12	German Airforce multi-sling-leg, no damper available; 2 legs	4	
	13	TLL_15_20, damper below	20	
	14	steel rope, non-twisting type, damper below	20	
	15	Dyneema 6x5 mm, Damper below	20	



TLL or TLP rope models are the result of more than 20 years of experience and meet the highest safety requirements in accordance with EU Directive 2006/42/EC, EASA CS-27./29.865, different harmonised EN Standards, FOCA Marshaller-Syllabus, chapter 3.2.4 and DGUV publication «Safe Helicopter External Load Operations», annex III.

Data sheet TLL-TLP Basic <small>Für dieses Dokument behalten wir uns alle Rechte vor. Ohne unsere ausdrückliche und schriftliche Zustimmung darf es weder dritten Personen mitgeteilt, noch missbräuchlich kopiert oder anderweitig benutzt werden. VOR 02_Form-A4.E, FC 111003ER LM 130828ER Printdate 17.11.2016</small>	Änderungen (Historie): B – benefits (green tags) refered; C – more benefits refered		Blatt Nr: 1	Blatt Anzahl: 1	A4
	gezeichnet	17.12.2014	RB	Zeichn.-Typ	
	geändert	17.11.2016	ER	BGZ	
	geprüft	17.11.2016	MS		
	freigegeben	17.11.2016	ER		
AirWork & Helseilerei GmbH (A&H) A&H Engineering Bahnhofweg 1 CH-6405 Immensee				Your Partner. In Safety! EASA Part 21 G POA - CH.21.G.0022 	
DB TLL-TLP_Basic_C				MS n/a	