



In daily operation, hose assemblies are stressed by frequent and severe bending, outer abrasion and torsion. These decrease the life expectancy. ELAFLEX accessories help to protect your hoses.

ANTI-KINKING SPIRAL 'KSS'

The main bending stress area for hose assemblies is directly behind the coupling.

To reinforce this area we developed the new Anti-Kinking Spiral 'KSS': suitable for all ELAFLEX hoses, recommended for dynamically strong stressed universal hoses with thermoplastic linings.

- prevents kinking, at the same time it ensures hose flexibility
- supports the hose, avoids distortion of universal hoses' thermoplastic lining
- temperature up to +90°C, briefly up to +130°C.

The Anti-Kinking Spiral is fixed with Spannloc clamps 'SC ... KSS' of stainless steel. Self-assembling is possible.



WEIGHT ≈ kg	LENGTH ≈ mm	MATERIAL	FOR HOSE SIZE		PART NUMBER Anti-Kinking Spiral	WEIGHT ≈ kg	MATERIAL	PART NUMBER Spannloc Special Clamps (2 pc., incl. bolts/nuts)
			ID in.	ID mm	Type			Type
0,08	300	HDPE black good fracture strain properties / resistant to weathering	3/4"	19	KSS 19	0,39	Stainless Steel 1.4408 Bolts + Nuts Stainless Steel 1.4401	SC 19 KSS
0,08	300		1"	25	KSS 25	0,45		SC 25 KSS
0,15	350		1 1/4"	32	KSS 32	0,48		SC 32 KSS
0,15	350		1 1/2"	38	KSS 38	0,52		SC 38 KSS
0,20	350		2"	50	KSS 50	0,90		SC 50 KSS
0,52	400		2 1/2"	63	KSS 63	1,49		SC 63 KSS
0,52	400		3"	75	KSS 75	1,56		SC 75 KSS

ANTI-ABRASION HOSE BEADS 'AR-HB'

Severe abrasion to the hose may occur due to pulling over rough ground. ELAFLEX hoses have superior anti-abrasion resistance, but abrasion nonetheless may be the reason for an early hose exchange.

The two-part Anti-Abrasion Hose Bead 'AR-HB' offer additional protection for hose areas or hose assemblies used on very abrasive surfaces.

A suitability, e.g. use on hose reels, must be checked. Avoid strong punctual compression of the beads to neighbouring hose surfaces.

- simple self-assembly without special tools
- Material: Polyacetal yellow, bolts and nuts of zinc plated steel
- available in sizes DN (32), (38), 50 und 63

Part Number: AR-HB [DN]

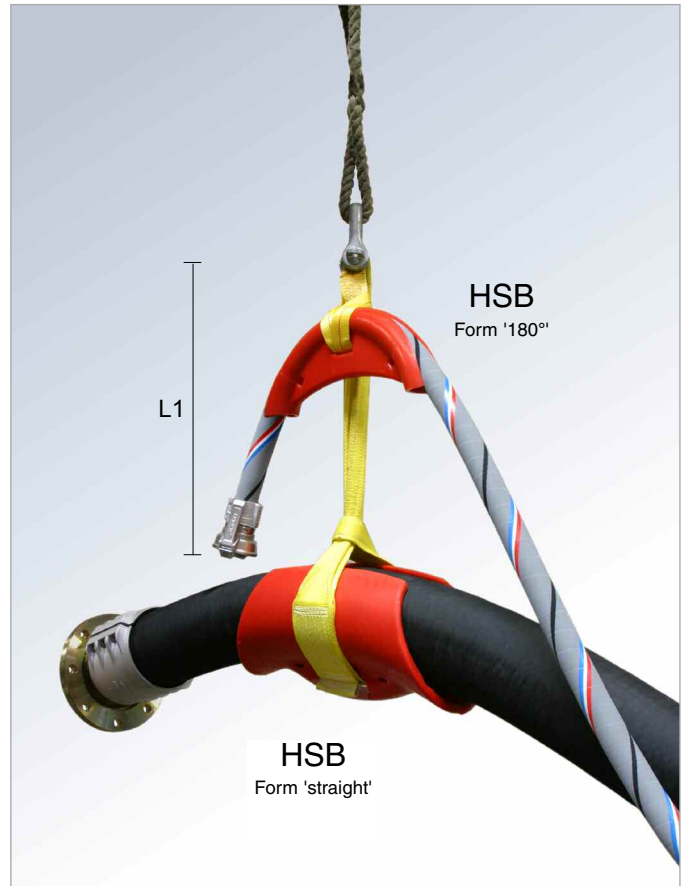


HOSE SADDLE 'HSB'

The Hosebun® hose saddle 'HSB' provides for a professional and material-protecting suspension of hose assemblies.

The hose is protected against wear and tear and drive-over accidents by vehicles and avoids tripping accidents. Furthermore it eases hose handling.

- the hose will not slip through as experienced with simple belt suspensions
- the weight of the hose assembly is optimally distributed - an efficient protection against overstrain and preventing premature replacement
- used for all types of rubber and composite hoses
- especially suitable for large bore hoses at crane operated loading stations
- simple and fast self-assembly
- the lifting capacity stated in the chart underlies a safety factor of 5:1, reducing risks for personnel working around or beneath a hoisted hose
- Material saddle: Polyurethane red
- Material belt: yellow Polyamide fabric, latex coated. Sizes 1"-4" with zink plated steel lug.
- temperature up to +90°C.

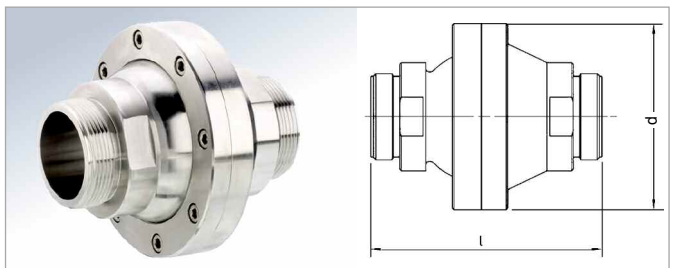


WEIGHT ≈ kg	FOR HOSES DN [in.]	SIZE L x H x W [cm]	SLING HEIGHT L1 [cm]	LIFTING CAPACITY kg	FORM	PART NUMBER Type
1,70	1"	41 x 19 x 6	15,24	360	180°	HSB 100
1,35	1¼"	51 x 21 x 7,5	14,60	360		HSB 125
1,65	1½"	51 x 21 x 7,5	11,40	360		HSB 150
1,50	2"	33,5 x 13,5 x 9	24,38	360	Straight	HSB 200
1,46	3"	32 x 14 x 12	21,60	360		HSB 300
1,85	4"	33 x 19 x 16,5	20,00	360		HSB 400
8,00	6"	57 x 27 x 23	57,15	3600		HSB 600
15,00	8"	80 x 30,5 x 38	45,72	5400		HSB 800
28,00	10"	105 x 39 x 34	48,90	6800		HSB 1000

BALL SWIVEL JOINT 'KDG'

With their operation angle of 50°, Ball Swivel Joints 'KDG' improve bending properties and movement range of hoses.

- protect hoses due to less kinking strain
- avoid torsion
- for applications in the Chemical industry, process and power plants, loading bays
- optimized flow characteristics - no protrusions or narrowing of the fluid path
- permit safe working in tight spaces



Technical Data

Material :	Stainless Steel (SS) or Brass (Ms)
Dichtungen:	O-Rings FPM Bearing and female thread seal of PTFE - other materials available on request -
Movement Range:	50° total (25° to middle axis)
Working Pressure:	16 bar
Connections:	Female/Male thread (ISO 228), flanges, welding ends
Sizes:	DN 20, DN 25, DN 40, DN 50, DN 65, DN 80, DN 100

Part Number: KDG [DN] [Material] [Connection]