

The background of the entire page is a blue-tinted photograph of a large, industrial cable carrier system. The system consists of multiple concentric rings of rectangular, perforated metal sections, creating a spiral-like structure. The lighting is dramatic, with strong highlights and shadows that emphasize the metallic texture and the curved geometry of the carrier.

||| HENNIG®
PROTECT YOUR SUCCESS

CABLE CARRIERS

CLOSED STEEL STRAP CABLE GUIDES

Safe processes are profitable processes. We make our customers successful by protecting people and machines from the manufacturing environment and waste.

STABIFLEX OVERVIEW

STABIFLEX cable carriers are moving carriers which have proved successful in a wide range of applications in machine tools and machining centers. The main feature of this closed cable carrier is that through the fitting of a steel band to one of the four sides the flexible conduit can only bend in the one direction where the steel band is situated. In all other directions of movement the carrier remains stable.

STABIFLEX cable carriers are resistant against all coolants and lubricants normally used in the machine tool industry. Two qualities are available depending on the traverse speed:

QUALITY G

Featuring a steel band fixed with special glue for speeds of $v \leq 50$ m/min..

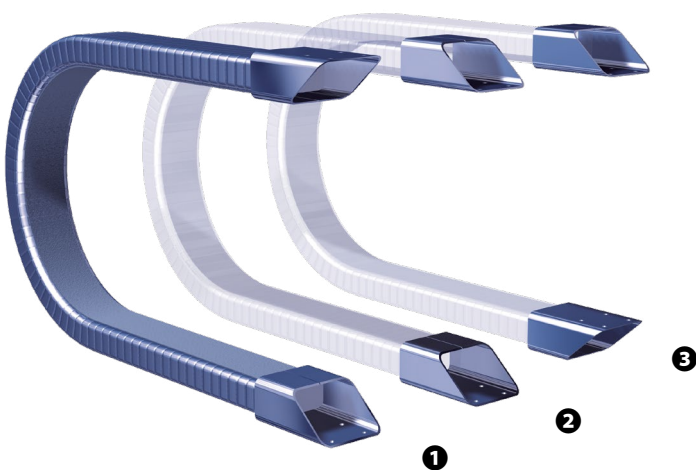
QUALITY K

Featuring a synthetic band fixed with special glue for speeds of $v \geq 50$ m/min.

If no traverse speed is indicated, we automatically choose the G quality.

- To obtain the shortest possible length, it is recommended to have the fixed connection at the midpoint of the stroke.
- When choosing the required type of STABIFLEX, an allowance of at least 10% per cable should be considered.
- Made of zinc plated sheet steel.
- To determine the bending radius (KR), multiply the outer diameter of the cables to be installed by a factor of 8 to 10. However, the minimum bending radius indicated by the cable manufacturers is the main criterion.
- Mounting flanges are welded on both ends of the cable carrier.
- In accordance with safety regulations, electrical continuity is maintained between the flanges and the metal carrier. The cables are loosely guided in the STABIFLEX and fastened at the moving and fixed end.
- To ensure long-term functioning, it is necessary to guide the STABIFLEX in support angles or in a channel the length of which should be approx. 1/2 stroke.
- Max. length of the individual types of Stabiflex is 6.5m, longer lengths can be flanged together.

FLANGE ARRANGEMENTS



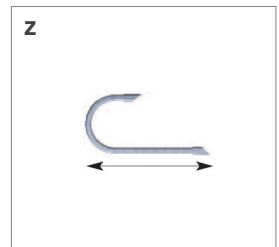
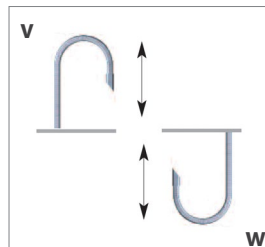
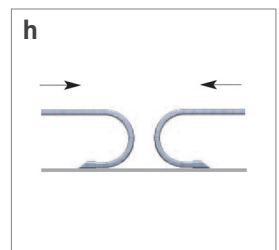
Functioning

h horizontal

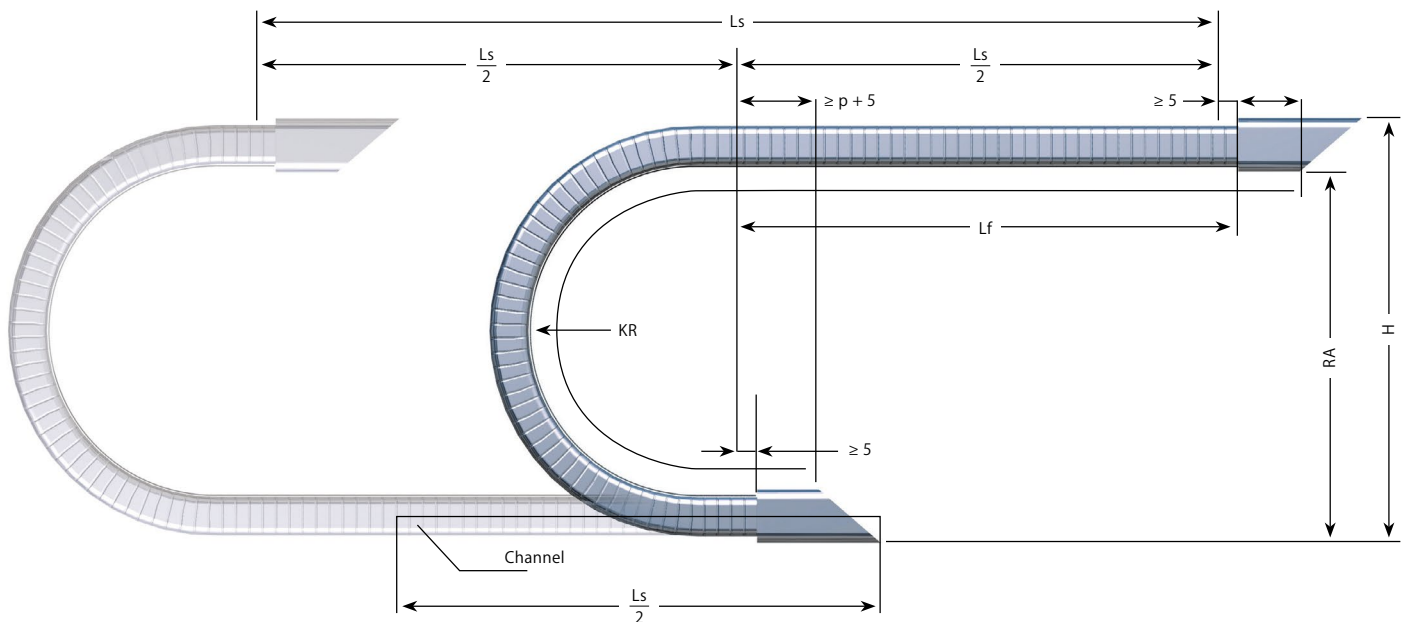
v vertical standing

w vertical suspended

z cross beam (top view)



STABIFLEX DIMENSIONS



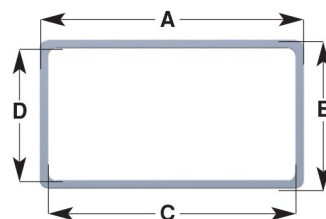
$$L = Ls/2 + 4KR + 50 \text{ (mm)} *$$

$$L = Ls/2 + \pi KR Ls + 2p + 10 \text{ (mm)} **$$

* Approximate value

** Formula used to calculate the precise length (rounded off to 10 mm)

hose cross section



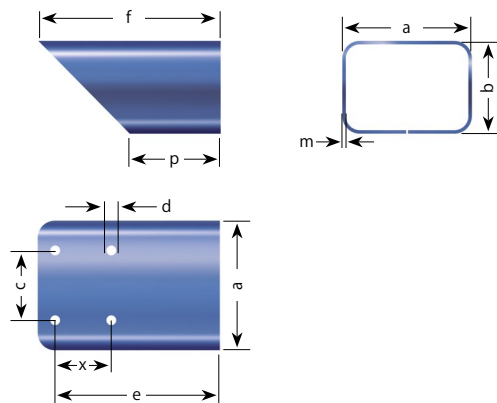
legend

- A x B = STABIFLEX - outside cross-section
- C x D = STABIFLEX - inside cross-section
- Lf = Unsupported length
- L = STABIFLEX length
- Ls = Travel
- KR = Bending radius (Tolerance -20%)
- H = Mounting height
- p = Depth of conduit fitted in the flange
- RA = Minimum height of support

Stabiflex Type	A	B	C	D	p	KR +0° -20°	RA	H	Lf max	Ls without support	Ls with support	Weight hose kg/m	Weight flanges kg/m
							includes preload						
0.0	30	20	26	16	25	55	120	144	1000	2000	4000	~0.60	~0.1
1.0	50	30	43	23	30	720	160	194	1500	3000	6000	~1.25	~0.2
						110	235	269					
						165	345	379					
1.1	50	50	45	45	50	110	240	294	2000	4000	8000	~1.70	~0.3
2.0	80	45	73	38	45	110	240	290	2000	4000	8000	~2.25	~0.5
						220	460	510					
						275	570	620					
2.1	85	60	80	55	65	165	350	415	2500	5000	10000	~2.40	~0.6
2.2	95	50	90	45	60	130	280	335	2000	4000	8000	~2.90	~0.6
3.0	110	60	102	52	60	155	335	400	2500	5000	10000	~3.60	~1.0
						250	525	590					
						330	685	750					
3.1	115	80	109	74	80	220	465	550	2500	5000	10000	~3.80	~1.2
4.0	170	80	162	72	80	205	435	520	2500	5000	10000	~5.60	~1.7
4.1	175	110	167	102	80	285	600	717	2500	5000	10000	~5.80	~3.9

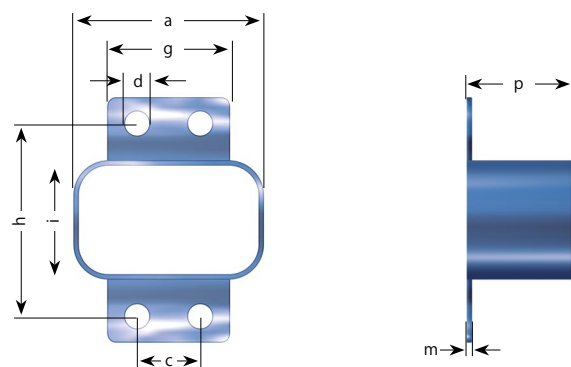
STABIFLEX FLANGE OPTIONS

STANDARD FLANGES



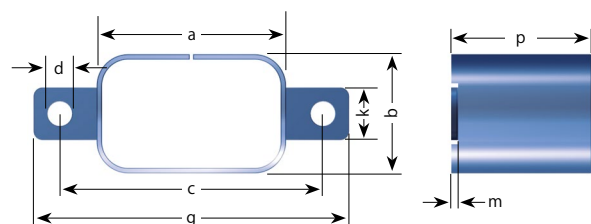
Type	a	b	c	d	e	f	p	m	x
0.0	34	25	13	6	40.0	50	25	1.5	-
1.0	54	34	22	7	45.0	60	30	1.5	-
1.1	54	54	20	7	75.0	100	50	1.5	-
2.0	85	50	50	7	67.5	90	45	2.0	-
2.1	90	65	50	7	117.5	130	65	2.0	40
2.2	100	55	50	7	110.0	120	60	2.0	40
3.0	115	65	70	9	90.0	120	60	2.0	-
3.1	175	85	100	9	120.0	160	80	2.0	40
4.0	175	85	100	9	120.0	160	80	2.0	-
4.1	182	117	140	9	157.5	195	80	3.0	40

FACE FLANGE TYPE A



Type	a	c	d	g	h	i	p	m
1.0	54	18	7	35	70	55	30	1.5
2.0	85	45	7	65	85	70	45	2.0
3.0	115	60	9	80	110	90	60	2.0
4.0	175	95	9	120	130	110	80	2.0

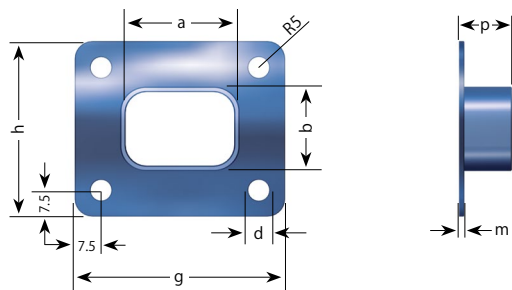
FACE FLANGE TYPE B



Type	a	b	c	d	g	k	p	m
1.0	54	34	75	7	90	15	30	1.5
2.0	85	50	105	7	120	30	45	2.0
3.0	115	65	140	9	160	35	60	2.0
4.0	175	85	200	9	220	40	80	2.0

STABIFLEX FLANGE OPTIONS

FACE FLANGE TYPE C



Type	a	b	d	g	h	p	m
0.0	34	24	6	60	50	25	1.5
1.1	54	54	7	85	85	50	1.5
2.1	90	65	7	120	95	65	2.0
2.2	100	55	7	130	85	60	2.0
3.1	120	85	9	150	115	80	2.0
4.1	182	117	9	210	145	80	3.0

Explanation of symbols

A x B = STABIFLEX - Cross section outside

C x D = STABIFLEX - Cross section inside

Ls = Travel distance

Lf = Cantilevered length

L = STABIFLEX length

KR = Curve radius (tolerance -20%)

H = Installation height

p = Mounting depth in the flange

RA = Minimum height for support

*) = Approximate value

**) = Formula we use for exact length calculation (rounded up to 10 mm)

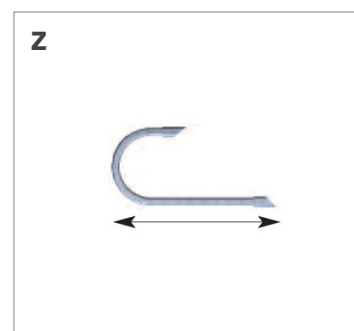
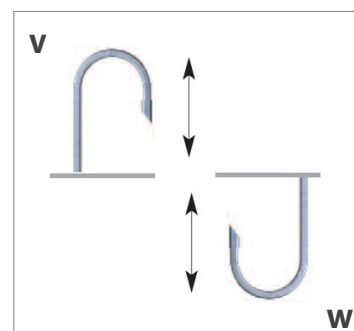
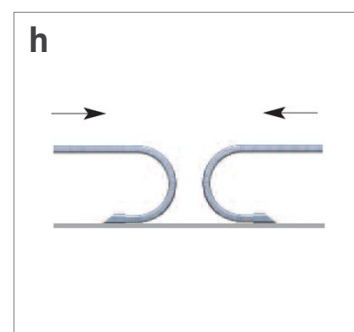
Order example

- 1 STABIFLEX Type 2.0
- 2 Quality G ($v \leq 50$ m/min)
- 3 Curve radius: KR = 110 mm
- 4 Standard version (single hose) "E"
- 5 Top flange: End flange A
- 6 Bottom flange: Standard flange, arrangement 1
- 7 STABIFLEX - Length: L = 2000 mm
- 8 Installation position: Horizontal

Order description:

(HENNIG EDV-Code 2.0 G110EA1/02000H)

Direction



Part # Breakdown

Part # Breakdown	2	0	G	1	1	0	E	A	1	0	2	0	0	0	H
1 STABIFLEX Type															
2 Quality															
3 Curve radius															
4 E = Standard, T = Tandem															
5 Top flange															
6 Bottom flange															
7 STABIFLEX - Length															
8 Direction															

FACILITIES & CONTACTS

The logo for Hennig, featuring four vertical bars of increasing height followed by the word "HENNIG" in a bold, sans-serif font.

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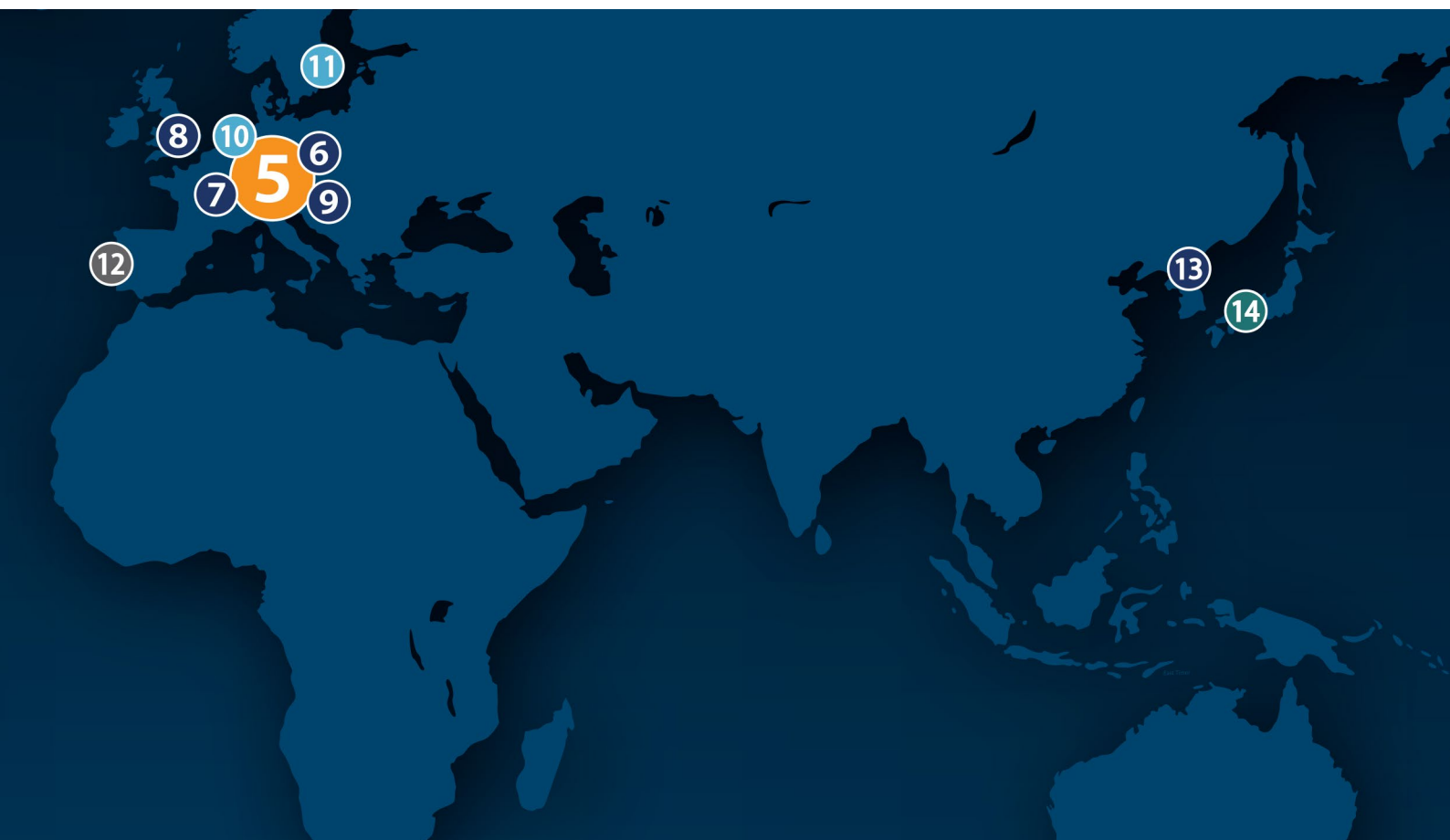
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Hennig Worldwide has been a global leader since 1950, specializing in chip and coolant management, machine protection, and facility safety. We work with a wide variety of manufacturers and other facilities worldwide, helping them create and maintain safe and efficient workplaces. Our commitment to excellence extends beyond our services—we actively contribute to local communities, create regional jobs, and support the global needs of machine tool customers.



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