NOVA ELECTRICAL CO.

20 Dixon Place, College Milton, East Kilbride, G74 5JF, Scotland
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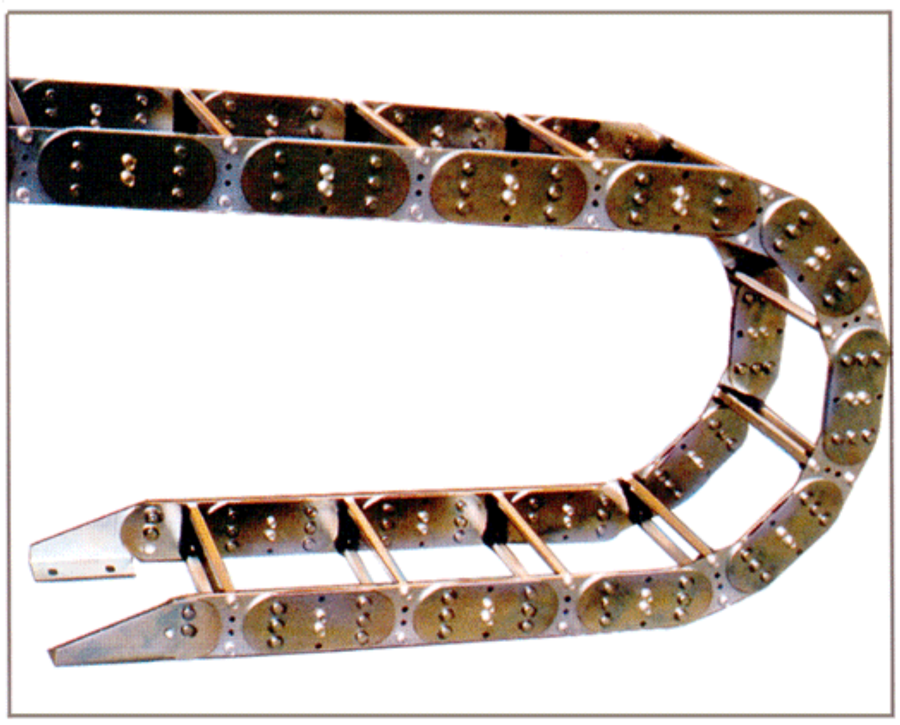
Cable Drag Chains & Flexible Conduits

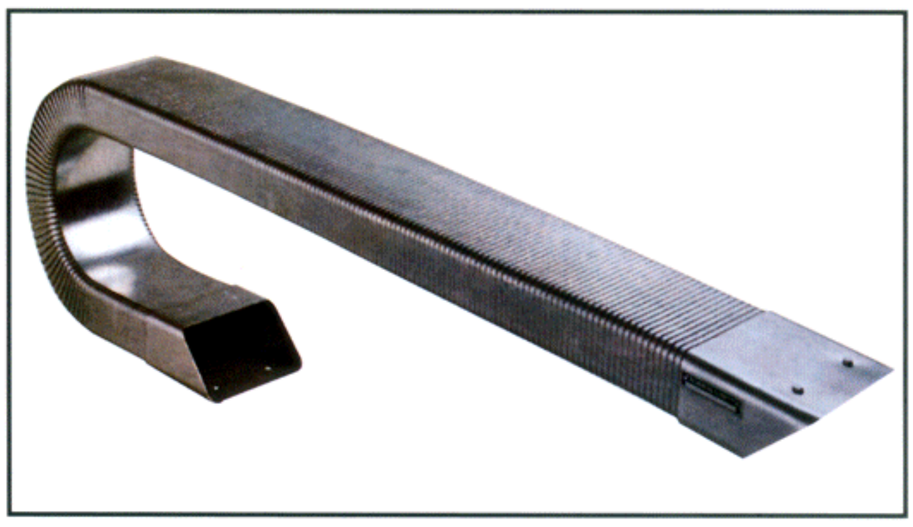
Keep Moving For Less
High Quality, Low Cost Cable Carriers

1) Assembly and disassembly of chain is very easy without any special tools.
2) Assembly and maintenance times are reduced because links are joined together by antifriction pins.
3) Push-in removable bridge-pieces facilitate cable or hose replacement.
4) The completely smooth internal walls of the link and the rounded support surfaces reduce cable wear.
5) For chain LC 3200, LC 4300 and LC 5500 it is possible to change bending radius by means of colour coded inserts.
6) Excellent performances with high sliding speed and acceleration even when there are strong mechanical stresses.
7) Chains are made of high quality material in order to obtain long life even in case of working temperature range -40°C +130°C.

Double nylon link chain. Removable bridge-piece with fast hooking and unhooking of both from the top and bottom part.
Chain LC 4300 consists of two links connected together both top and bottom by bridge-pieces, which determine chain width. Links are joined together by antifriction pins. Chain length modification is quick and easy even in the case of installed chain, and it is possible without special tools. Traversing speeds 5 m/sec. Self supporting.
Starting acceleration 17 m/sec.



Steel cable support chains are used in many important industrial fields such as steel mills, foundries, aerial platforms, hoisting plants die-casting machine tools.
The internal and exteral links are made of hardened hot-galvanized steel. The bridge-pieces are made of aluminium and can be provided with nylon separators that can be moved over the whole chain width. On request the chain can be finished with stainless steel covering sheet fitted in order to close the upper and lower side to protect cables.



Flexible conduit rectangular or square sections galvanized sheet steel.
Valcanized sheet steel attached to the flexible tube guarantees maximum flexibility and complete stability in the presence of particularly aggressive oils or coolants. Near silent and vibration free running, long life operation, easy installation, no maintenance, trouble free from clogging and hot metal chips etc.

We also supply a full range of high flex cables for use in drag chains

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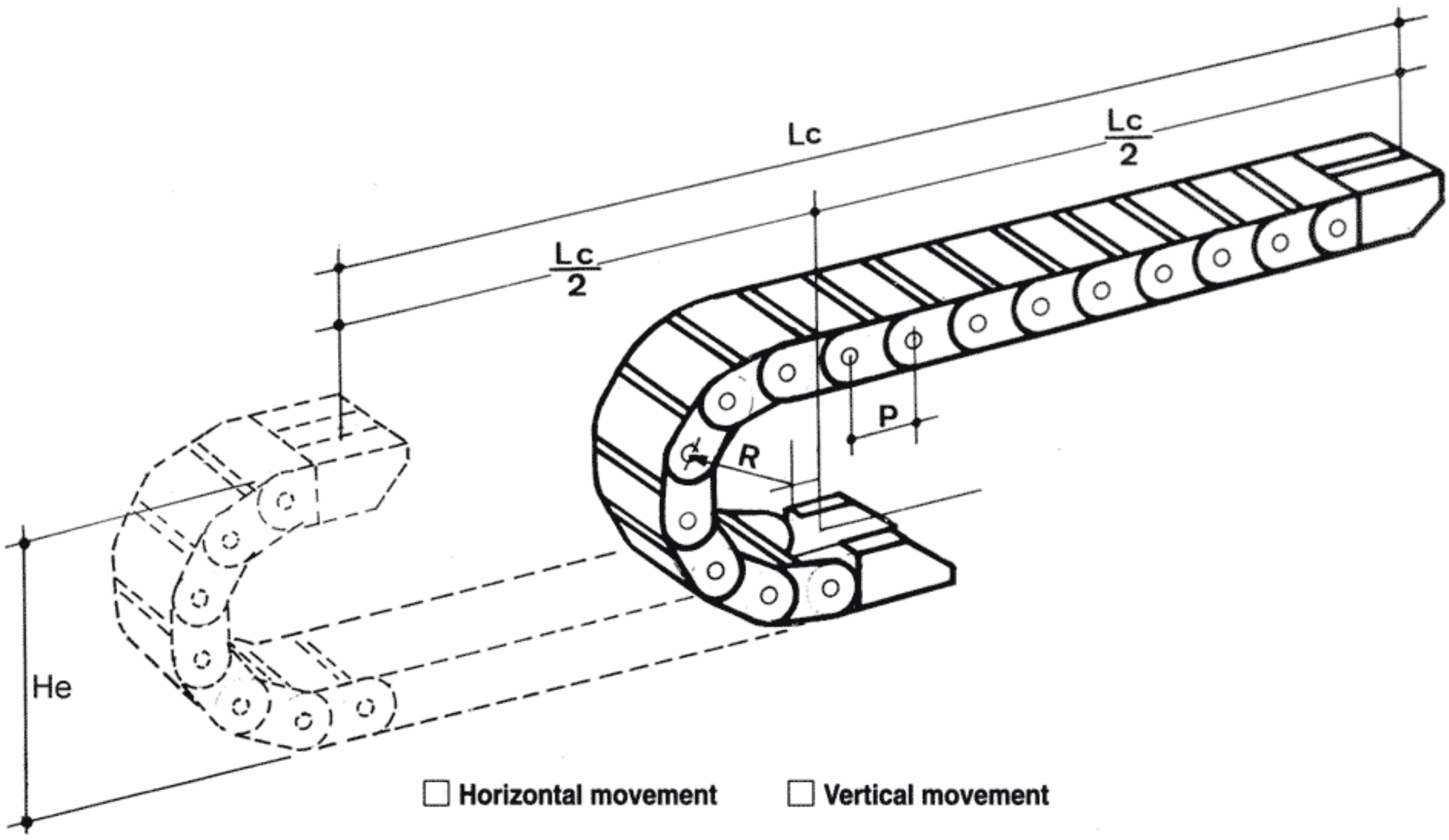
Drag Chains and Tubiflex Overview

Series	MATERIAL	DISTANCE BETWEEN CENTERS	Travel LC - m self supporting (mm)	Bending radius min./max.	External width LE	External height HE	Internal width LI	Internal height HI	Bridge piece opening S / IN	Enclosed covering LE	Seperator options Vertical	Seperator options Horizontal	Seperator options Horiz./Vert.	Holed Bridge Pieces	For technical data see catalogue page	Series
LC 1000	NYLON	20	0,400	18-40	15-23	12-15	10-16	10	/	/	/	/	/	/	13	LC 1000
LC 1700		29,5	0,800	40-80-120	27-32-37 47-62-87	23	15-20-25 35-50-75	17	/	/	/	/	/	/	15	LC 1700
LC 1700 I		29,5	0,800	40-80-120	27-32-37 47-62-87	23	15-20-25 35-50-75	17	S	/	/	/	/	/	16	LC 1700 I
LC 2700		44	1,000	40-50-70-110 150-200-250	48-63-83 103-121	36	30-45-65 85-103	26	S	/	●	/	/	/	18	LC 2700
LC 3100		50	1,100	50-70-110 150-200-250	73-93-123	47	55-75-105	34	S	/	●	/	/	/	20	LC 3100
LC 3200		62,5	1,200	75-110 150-200	75-95-120-145 185-235-↑	49	45-65-90-115 155-200-↑	32	S - IN	/	●	●	●	/	24	LC 3200
LC 4300		70	1,400	90-120-150 200-250-300	77-97-122-147 187-237-↑	55	45-65-90-115 155-200-↑	40	S - IN	/	●	●	●	/	26	LC 4300
LC 5500		90	1,500	150-200-250 300-350-400	77-97-122-147 187-237-↑	75	45-65-90-115 155-200-↑	55	S - IN	/	●	●	●	/	28	LC 5500
LC 8500		100	2,000	150-200-300 350-400-500	LI + 50	108	100-150-200 300-400-500	85	S - IN	/	●	●	●	◆	30	LC 8500
LF 38		65	1,00 kg 20	75-95-115 145-175-220	95-120-145-170 195-220-245-270	57	63-88-113-138 163-188-213-233	40	/	◆	●	◆	◆	◆	34	LF 38
LF 58		95	2,500 kg 25	140-170-200 260-290-320	126-151-176-201 226-251-276-301	80	86-111-136-161 186-211-236-261	54	/	◆	●	◆	◆	◆	36	LF 58
LF 73		125	4,00 kg 25	190-220-260 300-340-380	131-156-181-206 231-256-282-306	95	89-114-139-164 189-214-240-264	76	/	◆	●	◆	◆	◆	38	LF 73
LC 2600		44	1,000	70-110-150 200-250	48-63-83 103-121	36	30-45-65 85-103	26	S	/	●	/	/	/	40	LC 2600
LC 3200 C		62,5	1,200	75-110 150-200	75-120-185	49	45-90-155	26	S - IN	●	●	●	●	/	42	LC 3200 C
LC 4300 C		70	1,400	90-120-150 200-250	97-147-187-232	55	65-115-155-200	35	S - IN	●	●	●	●	/	44	LC 4300 C
LC 5500 C		90	1,500	150-200-250 300-350-400	151-191-236	75	90-115-155-200	50	S - IN	●	●	●	●	/	46	LC 5500 C
LC 8500 C		100	2,000	150-200-250 300-350-400-500	LI + 50	108	200-300 400	72	S - IN	●	●	●	●	/	48	LC 8500 C
LZ 9200	STEEL	65	2,000 30 kg	75-95-115 135-155-200	LI + 29	50	95-120-149 170-195-220	31	S - IN	◆	●	/	/	◆	56	LZ 9200
LZ 9400		95	2,800 40 kg	140-170-200 260-290-320	LI + 37	70	126-151-176 201-226-251	47	S - IN	◆	●	/	/	◆	56	LZ 9400
LZ 9500		125	4,500 90 kg	145-220-260 300-340-380	LI + 41	94	◆	73	S - IN	◆	●	/	/	◆	56	LZ 9500
LZ 9600		180	6,900 60 kg	265-320-375 435-490-605	LI + 59	140	◆	110	S - IN	◆	●	/	/	◆	56	LZ 9600
LZ 9700		250	9,800 100 kg	385-445-600 760-920-1075	LI + 64	220	◆	185	S - IN	◆	●	/	/	◆	56	LZ 9700
GP 55	TUBIFLEX STEEL	–	1,2	70-100-150	50	30	43	23	/	S - IN	/	/	/	/	60	GP 55
GP 60		–	1,5	120	50	50	43	43	/	S - IN	/	/	/	/	60	GP 60
GP 85		–	2,00	100-200	80	45	73	38	/	S - IN	/	/	/	/	60	GP 85
GP 90		–	2,00	130	85	60	78	53	/	S - IN	/	/	/	/	60	GP 90
GP 115		–	2,5	130-225	110	60	103	53	/	S - IN	/	/	/	/	60	GP 115
GP 120		–	2,5	170	115	80	108	73	/	S - IN	/	/	/	/	60	GP 120
GP 175		–	2,5	170-250	175	80	168	73	/	S - IN	/	/	/	/	60	GP 175
GP 200		–	3,0	250	175	110	168	103	/	S - IN	/	/	/	/	60	GP 200

● = Standard ◆ = On Request S = Upper opening bridge piece IN = Lower opening bridge piece

Enquiry form



☐ **Horizontal movement** ☐ **Vertical movement**

Travel distance (LC)	mm
Bending radius (R)	mm
Speed	m/s
Acceleration	m/s²
Travel frequency	Mov./h day/year
Environment	
Humidity	
Temperature	
Installation in/outside	
Clean/dirty	

Remarks

Existing Chain Sizes

Suggested chain

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NOVA ELECTRICAL CONTROLS

CABLES/HOSES

N°	outer diameter	weight per meter	min. bending radius
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm
	mm	kg/m	mm

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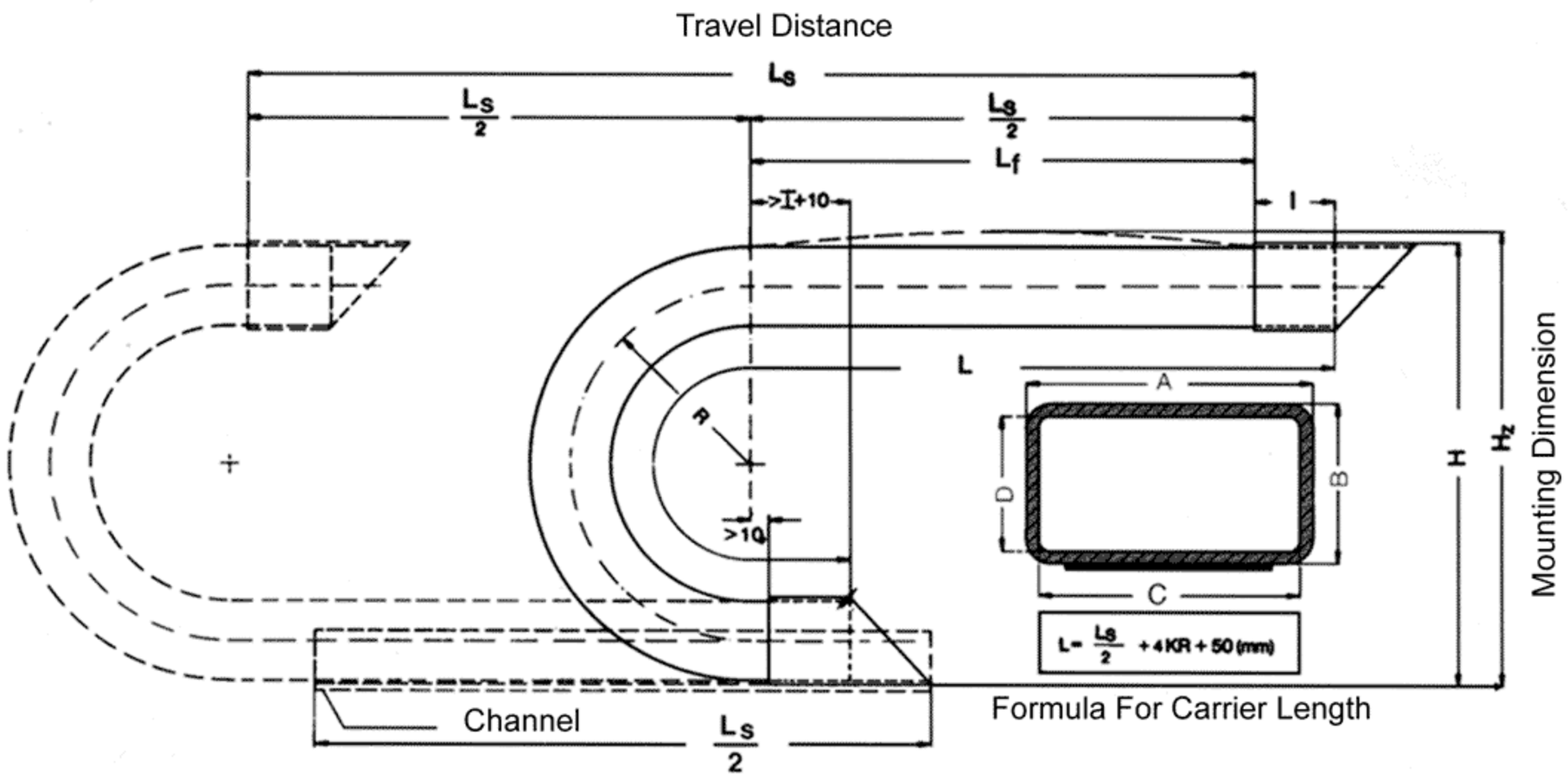
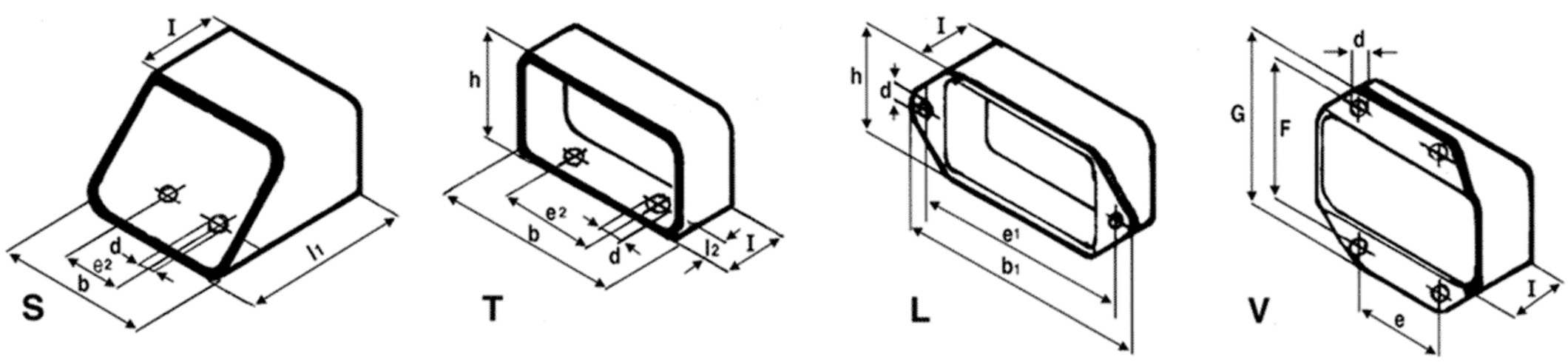
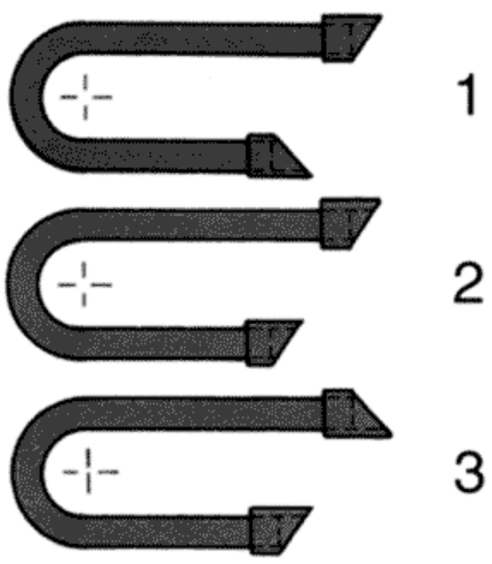
Flexible Conduit



Conduit Type			GP55	GP60	GP85	GP90	GP115	GP120	GP175	GP200
Outside Width	A	mm.	50	50	80	85	110	115	175	175
Outside Height	B	mm.	30	50	45	60	60	80	80	110
Inside Width	C	mm.	43	43	73	78	108	108	168	168
Inside Height	D	mm.	23	43	38	53	53	73	73	103
Bend Radius	R	mm.	70 / 100	120	100 / 200	130	130 / 225	170	170 / 250	250
Max. Mounting Height	Hz	mm.	180 / 250	310	265 / 465	340	340 / 530	440	440 / 600	630
Weight	Kg	Kg/m.	1.5	2.0	2.75	3.20	5.0	5.5	7.5	8.0
Self Supporting Length	Lf	m.	1.2 > 1.5	1.5 > 2.0		2>2.5	2.0 > 2.5		2.5 > 3.0	



Arrangement Of Standard Flanges



Conduit Type	b	h	e²	d	e¹	I	l1	b1	e	F	G
GP55	55	35	20	7	75	40	70	90	18	55	70
GP60	55	55	20	7	75	40	70	90	18	75	90
GP85	86	51	50	7	105	50	85	120	45	70	85
GP90	91	66	50	6.5	105	50	85	120	45	90	110
GP115	121	66	70	7	140	60	120	160	60	90	110
GP120	121	86	70	7	140	60	145	160	60	110	110
GP175	182	86	100	10.5	200	80	160	200	95	110	130
GP200	182	117	140	10.5	200	80	160	205	95	140	160