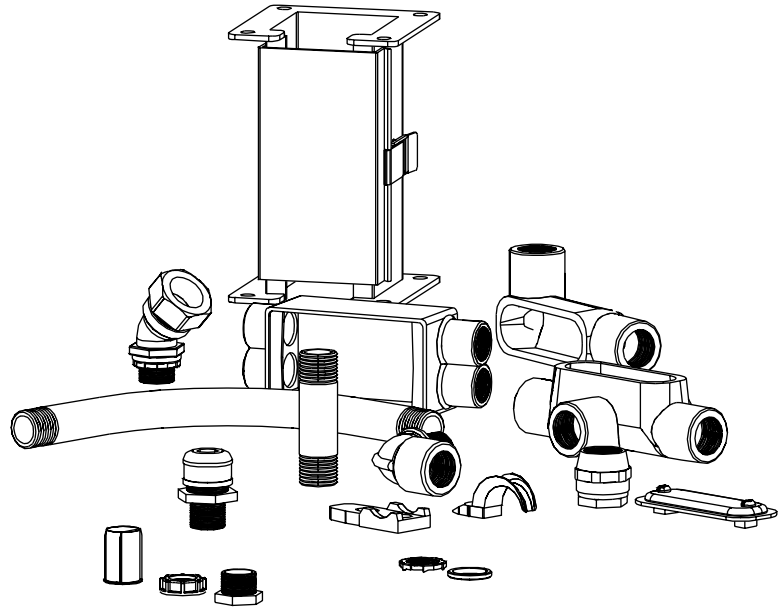


# CHS Controls

## Installation Products - Industrial Grade



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# CHS Controls Installation Products - Industrial Grade

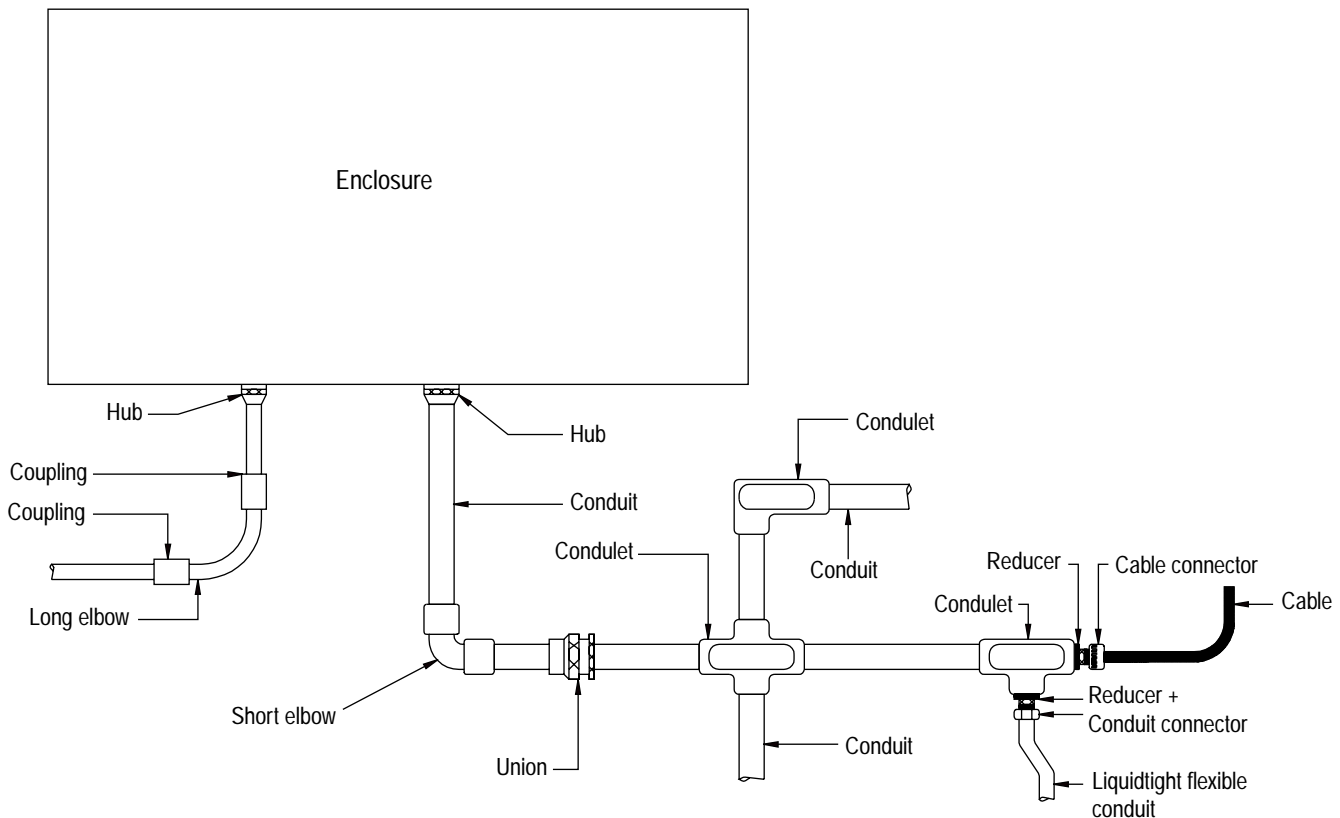
In North America installation in galvanized conduit is used in larger extent than what is common in the Nordic countries. Conduits of other materials are also available, e.g. aluminium for the food industry. In the Nordic countries and large parts of Europe cable trays is a common method. What is the difference between the methods?

- Installation on cable trays easily collects dirt and dust. At the same time the cables can be swept through by water or oil.

Wireways is an alternative on installation of larger quantities of circuit wire and cable.

- Installation in steel conduit gives a better mechanical protection and a superior protection against dirt and liquids.


CHS Controls stock a wide range of installation products from manufacturers as Alflex, Arrow Hart, Crouse-Hinds, Hoffman and Occidental Coating.



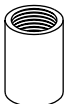
## Conduit with One Coupling - Length 3.05 m (10 feet) see note 1

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Outside dia. mm	Catalogue number	Catalogue number	Weight/ea kg	Outs. dia. mm	Catalogue number	
	1/2	20,7	IMC50	IMC50PVC	2,8	21,3	IMC50A	1,2
	3/4	26,1	IMC75	IMC75PVC	3,7	26,7	IMC75A	1,7
	1	32,8	IMC100	IMC100PVC	5,3	33,4	IMC100A	2,5
	1 1/4	41,6	IMC125	IMC125PVC	6,9	42,2	IMC125A	3,3
	1 1/2	47,8	IMC150	IMC150PVC	8,4	48,3	IMC150A	4
	2	59,9	IMC200	IMC200PVC	11,3	60,3	IMC200A	5,4
	2 1/2	72,6	IMC250	IMC250PVC	19	73	IMC250A	8,8
	3	88,3	IMC300	IMC300PVC	23	88,9	IMC300A	11
	3 1/2	101,1	IMC350	IMC350PVC	27	101,6	IMC350A	13
	4	113,4	IMC400	IMC400PVC	29	114,3	IMC400A	16

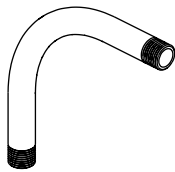
### Conduit Nipple, length 102 mm see note 1, 2

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Outside dia. mm	Catalogue number	Catalogue number	Weight/ea kg	Outs. dia. mm	Catalogue number	
	1/2	21	IMN50-4	IMN50-4PVC	0,086	22	IMN50-4A	0,032
	3/4	26	IMN75-4	IMN75-4PVC	0,109	27	IMN75-4A	0,036
	1	33	IMN100-4	IMN100-4PVC	0,163	34	IMN100-4A	0,055
	1 1/4	42	IMN125-4	IMN125-4PVC	0,213	43	IMN125-4A	0,073
	1 1/2	48	IMN150-4	IMN150-4PVC	0,255	49	IMN150-4A	0,091
	2	60	IMN200-4	IMN200-4PVC	0,327	61	IMN200-4A	0,123
	2 1/2	73	IMN250-4	IMN250-4PVC	0,454	74	IMN250-4A	0,136
	3	88	IMN300-4	IMN300-4PVC	0,590	90	IMN300-4A	0,19

### Coupling see note 1

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Radius mm	Catalogue number	Catalogue number	Weight/ea kg	Radius mm	Catalogue number	
	1/2	26	IMCCP50	IMCCP50PVC	0,05	27	IMCCP50A	0,03
	3/4	32	IMCCP75	IMCCP75PVC	0,11	34	IMCCP75A	0,04
	1	39	IMCCP100	IMCCP100PVC	0,14	40	IMCCP100A	0,06
	1 1/4	47	IMCCP125	IMCCP125PVC	0,17	50	IMCCP125A	0,09
	1 1/2	55	IMCCP150	IMCCP150PVC	0,24	56	IMCCP150A	0,1
	2	67	IMCCP200	IMCCP200PVC	0,33	70	IMCCP200A	0,16
	2 1/2	82	IMCCP250	IMCCP250PVC	0,77	83	IMCCP250A	0,31
	3	98	IMCCP300	IMCCP300PVC	0,95	84	IMCCP300A	0,42
	3 1/2	114	IMCCP350	IMCCP350PVC	1,36	113	IMCCP350A	0,49
	4	124	IMCCP400	IMCCP400PVC	1,55	127	IMCCP400A	0,64

### Long Elbow see note 3

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Radius mm	Catalogue number	Catalogue number	Weight/ea kg	Radius mm	Catalogue number	
	1/2	102	IME950	IME950PVC	0,1	165	IME950A	0,1
	3/4	114	IME975	IME975PVC	0,2	184	IME975A	0,2
	1	146	IME9100	IME9100PVC	0,4	213	IME9100A	0,3
	1 1/4	184	IME9125	IME9125PVC	0,7	260	IME9125A	0,5
	1 1/2	210	IME9150	IME9150PVC	1	302	IME9150A	0,7
	2	241	IME9200	IME9200PVC	1,4	356	IME9200A	1,1
	2 1/2	267	IME9250	IME9250PVC	2,7	400	IME9250A	2
	3	280	IME9300	IME9300PVC	3,8	476	IME9300A	3,5
	3 1/2	295	IME9350	IME9350PVC	5,4	552	IME9350A	4,7
	4	311	IME9400	IME9400PVC	6,5	584	IME9400A	5,6

### Lubricant/Corrosion Protection, PVC Touch-up Compound

Description	Catalogue no.	Weight kg
Standard lubricant, simplifies installation, inhibits corrosion, temperature range -28 - +149°C, tube - 50 g	IMSTL2	0,05
Standard lubricant, simplifies installation, inhibits corrosion, temperature range -28 - +149°C, can - 225 g	IMSTL8	0,3
High temperature lubricant, simplifies installation, inhibits corrosion, temperature range -56 - +980°C, tube - 50 g	IMHTL4	0,05
PVC touch-up compound to repair smaller damages on PVC coated conduits, spray can, 355 g	IMPVC03	0,035
PVC touch-up compound to repair smaller damages on PVC coated conduits, can 0,47 l	IMPVC05	0,6

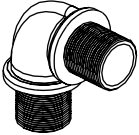
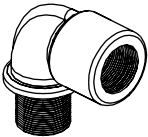



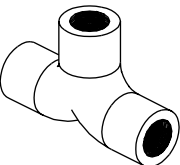

#### Notes

- Steel - PVC coated, outside diameter increases with 2 mm compared with galvanized steel
- For conduit nipples in different length, change the last digit in the catalogue number according to the table below:  

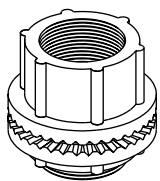
Length 51 mm, max 2" PVC coated max 1 1/2"	-2	Length 127 mm	-5	Length 254 mm	-10
Length 76 mm, max 2"	-3	Length 203 mm	-8	Length 305 mm	-12

 Example: a 1/2" conduit nipple of 127 mm will be IMN50-5
- Stated radius is centre radius. For 45° short elbow stated radius is the length on each side

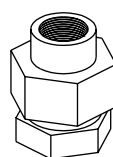
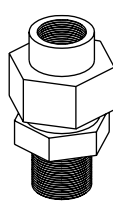
### Short Elbow see note 3, 4

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Radius mm	Catalogue number	Catalogue number	Weight/ea kg	Radius mm	Catalogue number	
<b>90° outside thread</b> 	1/2	35	IMSEM950	IMSEM950PVC	0,09	35	IMSEM950A	0,05
	3/4	41	IMSEM975	IMSEM975PVC	0,16	41	IMSEM975A	0,1
	1	48	IMSEM9100	IMSEM9100PVC	0,28	48		
<b>90° out/inside thread</b> 	1/2	39	IMSE950	IMSE950PVC	0,09	39	IMSE950A	0,05
	3/4	41	IMSE975	IMSE975PVC	0,17	41	IMSE975A	0,1
	1	48	IMSE9100	IMSE9100PVC	0,29	48	IMSE9100A	0,18
	1 1/4	54	IMSE9125	IMSE9125PVC	0,43	54		
<b>90° inside thread</b> 	1/2	39	IMSEF950	IMSEF950PVC	0,1	39	IMSEF950A	0,05
	3/4	44	IMSEF975	IMSEF975PVC	0,18	44	IMSEF975A	0,1
	1	51	IMSEF9100	IMSEF9100PVC	0,3	51	IMSEF9100A	0,2
	1 1/4	57	IMSEF9125	IMSEF9125PVC	0,45	57	IMSEF9125A	0,25
	1 1/2	101	IMSEF9150	IMSEF9150PVC	0,6	101	IMSEF9150A	0,3
	2	127	IMSEF9200	IMSEF9200PVC	0,9	127	IMSEF9200A	0,45
	2 1/2	163	IMSEF9250	IMSEF9250PVC	1,1	163		
<b>45° inside thread</b> 	1/2	30	IMSEF450	IMSEF450PVC	0,07	30		
	3/4	35	IMSEF475	IMSEF475PVC	0,13	35		
	1	42	IMSEF4100	IMSEF4100PVC	0,22	42		
	1 1/4	44	IMSEF4125	IMSEF4125PVC	0,34	44		
	1 1/2	50	IMSEF4150	IMSEF4150PVC	0,45	50		
	2	57	IMSEF4200	IMSEF4200PVC	0,7	57		
	2 1/2	70	IMSEF4250	IMSEF4250PVC	0,8	70		
	3	80	IMSEF4300	IMSEF4300PVC	1,1	80		
	3 1/2	87	IMSEF4350	IMSEF4350PVC	1,5	87		
	4	92	IMSEF4400	IMSEF4400PVC	1,9	92		
<b>45°, out/inside thread</b> 	1/2	27	IMSE450		0,07	27		
	3/4	30	IMSE475		0,09	30		
	1	37	IMSE4100		0,15			
	1 1/4	44	IMSE4125		0,32			
	1 1/2	48	IMSE4150		0,39			
	2	57	IMSE4200		0,79			
<b>T inside thread</b> 	1/2-3/4-1/2	102	IMSET75-50		0,13			
	3/4-3/4-3/4	102	IMSET75-75		0,25			
	3/4-1-3/4	102	IMSET100-75		0,3			
<b>90° inside thread pull outlet with cover</b> 	1/2	71	IMSEFC950	IMSEFC950PVC	0,15			
	3/4	81	IMSEFC975	IMSEFC975PVC	0,19			
	1	83	IMSEFC9100	IMSEFC9100PVC	0,4			
	1 1/4	96	IMSEFC9125	IMSEFC9125PVC	0,5			
	1 1/2	108	IMSEFC9150	IMSEFC9150PVC	0,7			

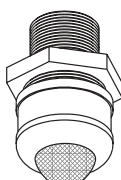
### Hub Including Locknut and Sealing

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Length mm	Catalogue number	Catalogue number	Weight/ea kg	Length mm	Catalogue number	
	1/2	36	IMFH50	IMFH50PVC	0,09	36	IMFH50A	0,04
	3/4	37	IMFH75	IMFH75PVC	0,14	37	IMFH75A	0,07
	1	42	IMFH100	IMFH100PVC	0,18	42	IMFH100A	0,07
	1 1/4	43	IMFH125	IMFH125PVC	0,27	43	IMFH125A	0,13
	1 1/2	43	IMFH150	IMFH150PVC	0,31	43	IMFH150A	0,13
	2	44	IMFH200	IMFH200PVC	0,4	44	IMFH200A	0,23
	2 1/2	56	IMFH250	IMFH250PVC	0,9	56	IMFH250A	0,36
	3	58	IMFH300	IMFH300PVC	1,1	58	IMFH300A	0,45
	3 1/2	60	IMFH350	IMFH350PVC	1,4	60	IMFH350A	0,68
	4	62	IMFH400	IMFH400PVC	1,6	62	IMFH400A	0,68

### Union see note 5

	Size inch	Steel - Galvanized		Steel - Galv + PVC coated		Aluminium		Weight/ea kg
		Length mm	Catalogue number	Catalogue number	Weight/ea kg	Length mm	Catalogue number	
<b>Inside thread</b> 	1/2	46	IMCCUF50	IMCCUF50PVC	0,16	46	IMCCUF50A	0,08
	3/4	44	IMCCUF75	IMCCUF75PVC	0,25	44	IMCCUF75A	0,12
	1	51	IMCCUF100	IMCCUF100PVC	0,4	51	IMCCUF100A	0,2
	1 1/4	57	IMCCUF125	IMCCUF125PVC	0,9	57	IMCCUF125A	0,45
	1 1/2	67	IMCCUF150	IMCCUF150PVC	1	67	IMCCUF150A	0,5
	2	65	IMCCUF200	IMCCUF200PVC	1,4	65	IMCCUF200A	0,7
	2 1/2	81	IMCCUF250	IMCCUF250PVC	2,4	81	IMCCUF250A	1,2
	3	87	IMCCUF300	IMCCUF300PVC	3,2	87	IMCCUF300A	1,6
	3 1/2	105	IMCCUF350	IMCCUF350PVC	4,2	105	IMCCUF350A	2,1
	4	105	IMCCUF400	IMCCUF400PVC	5,4	105	IMCCUF400A	2,7
<b>Out/inside thread</b> 	1/2	60	IMCCU50	IMCCU50PVC	0,16	60	IMCCU50A	0,08
	3/4	60	IMCCU75	IMCCU75PVC	0,25	60	IMCCU75A	0,12
	1	70	IMCCU100	IMCCU100PVC	0,4	70	IMCCU100A	0,2
	1 1/4	81	IMCCU125	IMCCU125PVC	0,9	81	IMCCU125A	0,45
	1 1/2	90	IMCCU150	IMCCU150PVC	1	90	IMCCU150A	0,5
	2	95	IMCCU200	IMCCU200PVC	1,4	95	IMCCU200A	0,7
	2 1/2	117	IMCCU250	IMCCU250PVC	2,4	117	IMCCU250A	1,2
	3	127	IMCCU300	IMCCU300PVC	3,2	127	IMCCU300A	1,6
	3 1/2	140	IMCCU350	IMCCU350PVC	4,2	140	IMCCU350A	2,1
	4	143	IMCCU400	IMCCU400PVC	5,4	143	IMCCU400A	2,7


### Drain

	Size inch	Steel - Galvanized		Aluminium	
		Catalogue number	Weight/ea kg	Catalogue number	Weight/ea kg
	1/2	IMDR50	0,061	IMDR50A	0,03
	3/4	IMDR75	0,09	IMDR75A	0,045

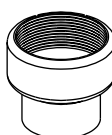

#### Notes

- 3 Stated radius is centre radius. For 45° short elbow stated radius is the length on each side
- 4 T, the illustration shows the largest opening at the top. Stated dimension is the longest distance
- 5 Union is used for easy separation of conduit systems, for example at transportation

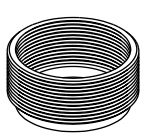
### Reducer

	Size inch	Steel - Galvanized		Weight/ea kg	Aluminium	
		Catalogue number Standard	Hex type		Catalogue number	Weight/ea kg
	3/4 - 1/2	IMR75-50	IMRH75-50	0,018	IMR75-50A	0,005
	1 - 1/2	IMR100-50	IMRH100-50	0,045	IMR100-50A	0,014
	1 - 3/4	IMR100-75	IMRH100-75	0,055	IMR100-75A	0,016
	1 1/4 - 1/2	IMR125-50	IMRH125-50	0,136	IMR125-50A	0,041
	1 1/4 - 3/4	IMR125-75	IMRH125-75	0,109	IMR125-75A	0,033
	1 1/4 - 1	IMR125-100	IMRH125-100	0,068	IMR125-100A	0,02
	1 1/2 - 1/2	IMR150-50	IMRH150-50	0,195	IMR150-50A	0,059
	1 1/2 - 3/4	IMR150-75	IMRH150-75	0,168	IMR150-75A	0,056
	1 1/2 - 1	IMR150-100	IMRH150-100	0,132	IMR150-100A	0,04
	1 1/2 - 1 1/4	IMR150-125	IMRH150-125	0,059	IMR150-125A	0,018
	2 - 1/2	IMR200-50	IMRH200-50	0,395	IMR200-50A	0,119
	2 - 3/4	IMR200-75	IMRH200-75	0,359	IMR200-75A	0,107
	2 - 1	IMR200-100	IMRH200-100	0,318	IMR200-100A	0,095
	2 - 1 1/4	IMR200-125	IMRH200-125	0,232	IMR200-125A	0,07
	2 - 1 1/2	IMR200-150	IMRH200-150	0,163	IMR200-150A	0,049

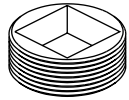
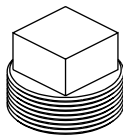
### Enlarger

	Size inch	Steel - Galv.	Steel - Galv + PVC coated		Aluminium Catalogue number	Weight/ea kg	
		Catalogue number	Catalogue number	Weight/ea kg			
	1/2 - 3/4	IMENI50-75	IMENI50-75PVC	0,11	IMENI50-75A	0,06	
	1/2 - 1	IMENI50-100	IMENI50-100PVC	0,18	IMENI50-100A	0,11	
	3/4 - 1	IMENI75-100	IMENI75-100PVC	0,18	IMENI75-100A	0,11	
	3/4 - 1 1/4	IMENI75-125	IMENI75-125PVC	0,31	IMENI75-125A	0,18	
	3/4 - 1 1/2	IMENI75-150	IMENI75-150PVC	0,42	IMENI75-150A	0,25	
	3/4 - 2	IMENI75-200	IMENI75-200PVC	0,63	IMENI75-200A	0,38	
	1 - 1 1/4	IMENI100-125	IMENI100-125PVC	0,31	IMENI100-125A	0,18	
	1 - 1 1/2	IMENI100-150	IMENI100-150PVC	0,42	IMENI100-150A	0,25	
	1 - 2	IMENI100-200	IMENI100-200PVC	0,63	IMENI100-200A	0,38	
	1 1/4 - 1 1/2	IMENI125-150	IMENI125-150PVC	0,42	IMENI125-150A	0,25	
	1 1/4 - 2	IMENI125-200	IMENI125-200PVC	0,63	IMENI125-200A	0,38	
	1 1/2 - 2	IMENI150-200	IMENI150-200PVC	0,63	IMENI150-200A	0,38	
		1/2 - 3/4	IMEN50-75		0,06	IMEN50-75A	0,04
		3/4 - 1	IMEN75-100		0,09		
		1 - 1 1/4	IMEN100-125		0,17		

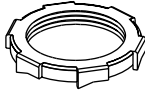
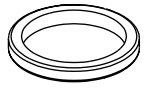
### Adapter between PG/PR-thread and NPT-thread

	Outside thread	Inside thread	Nickel plated brass		Outside thread	Inside thread	Nickel plated brass	
	NPT	PG/PR	Catalogue number	Weight/ea kg	PG/PR	NPT	Catalogue number	Weight/ea kg
	1/2	11/18,6	IMAH50-18	0,05	16/22,5	3/4	IMAH22-75	0,03
	3/4	16/22,5	IMAH75-22	0,06	16/22,5	1	IMAH22-100	0,03
	3/4	21/28,3	IMAH75-28	0,06	21/28,3	1/2	IMAH28-50	0,06
	1	11/18,6	IMAH100-18	0,1	21/28,3	1 1/4	IMAH28-125	0,06
	1	16/22,5	IMAH100-22	0,1	21/28,3	1 1/2	IMAH28-150	0,06
	1 1/4	21/28,3	IMAH125-28	0,1				


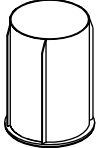
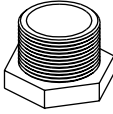
### Plug

	Size inch	Steel - Galvanized		Aluminium	
		Catalogue number	Weight/ea kg	Catalogue number	Weight/ea kg
<b>Recessed</b> 	1/2	IMP50	0,03	IMP50A	0,015
	3/4	IMP75	0,04	IMP75A	0,02
	1	IMP100	0,07	IMP100A	0,03
	1 1/4	IMP125	0,13	IMP125A	0,05
	1 1/2	IMP150	0,17	IMP150A	0,08
	2	IMP200	0,3	IMP200A	0,18
<b>Square head</b> 	1/2	IMPS50	0,03	IMPS50A	0,015
	3/4	IMPS75	0,04	IMPS75A	0,02
	1	IMPS100	0,07	IMPS100A	0,03
	1 1/4	IMPS125	0,13	IMPS125A	0,05
	1 1/2	IMPS150	0,17	IMPS150A	0,08
	2	IMPS200	0,3	IMPS200A	0,18

### Locknut - Sealing

	Size Inch	Locknut, steel Galv.		Weight/ea kg	Sealing PVC + steel ring, galv. Catalogue number	Lock nut Aluminium	
		Standard Cat. nr.	With sealing Cat. nr.			Catalogue number	Weight/ea kg
	1/2	IML50	IMSL50	0,005	IMSG50	IML50A	0,003
	3/4	IML75	IMSL75	0,008	IMSG75	IML75A	0,005
	1	IML100	IMSL100	0,015	IMSG100	IML100A	0,009
	1 1/4	IML125	IMSL125	0,024	IMSG125	IML125A	0,014
	1 1/2	IML150	IMSL150	0,026	IMSG150	IML150A	0,015
	2	IML200	IMSL200	0,041	IMSG200	IML200A	0,025
	2 1/2	IML250		0,127	IMSG250	IML250A	0,076
	3	IML300		0,168	IMSG300	IML300A	0,1
	3 1/2	IML350		0,2	IMSG350	IML350A	0,12
	4	IML400		0,225	IMSG400	IML400A	0,13

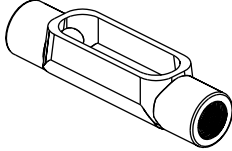
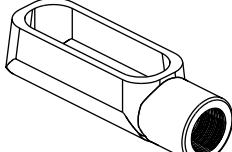
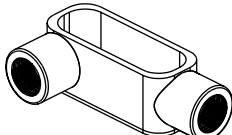
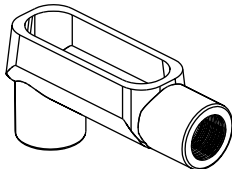
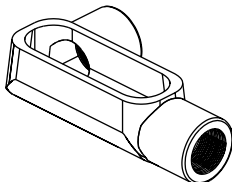
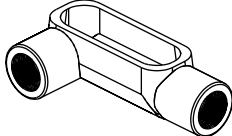
### Insulating Bushing - Liner - Nipple see note 6, 7, 8

	Size inch	Catalogue numbers			Liner PVC	Nipple Steel, galv.	Weight/ea kg
		Insulating bushing Steel, galv.	PVC	Aluminium			
	1/2	IMB50	IMB50P	IMB50A	IMBL50	IMNL50	0,01
	3/4	IMB75	IMB75P	IMB75A	IMBL75	IMNL75	0,02
	1	IMB100	IMB100P	IMB100A	IMBL100	IMNL100	0,03
	1 1/4	IMB125	IMB125P	IMB125A	IMBL125	IMNL125	0,07
	1 1/2	IMB150	IMB150P	IMB150A	IMBL150	IMNL150	0,09
	2	IMB200	IMB200P	IMB200A	IMBL200	IMNL200	0,11
							

#### Notes

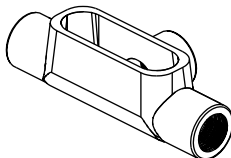
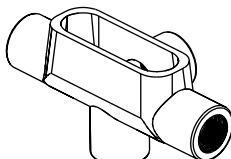
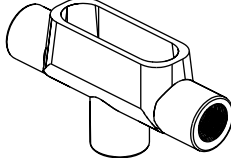
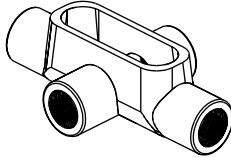
- 6 Insulating bushing of aluminium weighs ca 50% of stated weight, PVC bushing and liner weighs ca 25% of stated weight
- 7 Nipple can be used as locknut for connectors with inside thread, for example with installation in an enclosure
- 8 Liners are used in conduits with installation in an enclosure to protect wire and cable for abrasion

### Condulet excluding Cover and Sealing see note 9, 10, 11, 12

	Size inch	Steel, Galv. Cat. No.	Steel, galv + PVC coated Cat. No.	Weight, kg	Aluminium Cat. No.	Weight, kg
<b>Type C</b> 	1/2	IMCOC50	IMCOC50PVC	0,43	IMCOC50A	0,09
	3/4	IMCOC75	IMCOC75PVC	0,6	IMCOC75A	0,13
	1	IMCOC100	IMCOC100PVC	0,8	IMCOC100A	0,19
	1 1/4	IMCOC125	IMCOC125PVC	1,1	IMCOC125A	0,44
	1 1/2	IMCOC150	IMCOC150PVC	1,4	IMCOC150A	0,5
	2	IMCOC200	IMCOC200PVC	2,1	IMCOC200A	1,2
	2 1/2	IMCOC250	IMCOC250PVC	4,4	IMCOC250A	1,9
	3	IMCOC300	IMCOC300PVC	4,8	IMCOC300A	2,3
<b>Type E</b> 	1/2	IMCOE50	IMCOE50PVC	0,34		
	3/4	IMCOE75	IMCOE75PVC	0,44		
	1	IMCOE100	IMCOE100PVC	0,57		
<b>Type L</b> 	1/2	IMCOL50	IMCOL50PVC	0,3		
	3/4	IMCOL75	IMCOL75PVC	0,44		
	1	IMCOL100	IMCOL100PVC	0,76		
	1 1/4	IMCOL125	IMCOL125PVC	1,1		
	1 1/2	IMCOL150	IMCOL150PVC	1,4		
	2	IMCOL200	IMCOL200PVC	2		
<b>Type LB</b> 	1/2	IMCOLB50	IMCOLB50PVC	0,41	IMCOLB50A	0,09
	3/4	IMCOLB75	IMCOLB75PVC	0,65	IMCOLB75A	0,13
	1	IMCOLB100	IMCOLB100PVC	0,78	IMCOLB100A	0,23
	1 1/4	IMCOLB125	IMCOLB125PVC	1,4	IMCOLB125A	0,43
	1 1/2	IMCOLB150	IMCOLB150PVC	2,1	IMCOLB150A	0,48
	2	IMCOLB200	IMCOLB200PVC	3,6	IMCOLB200A	1
	2 1/2	IMCOLB250	IMCOLB250PVC	4	IMCOLB250A	1,9
	3	IMCOLB300	IMCOLB300PVC	5,6	IMCOLB300A	2,2
	3 1/2	IMCOLB350	IMCOLB350PVC	7,5	IMCOLB350A	3,9
	4	IMCOLB400	IMCOLB400PVC	8,4	IMCOLB400A	4
<b>Type LL</b> 	1/2	IMCOLL50	IMCOLL50PVC	0,41	IMCOLL50A	0,09
	3/4	IMCOLL75	IMCOLL75PVC	0,65	IMCOLL75A	0,13
	1	IMCOLL100	IMCOLL100PVC	0,78	IMCOLL100A	0,23
	1 1/4	IMCOLL125	IMCOLL125PVC	1,4	IMCOLL125A	0,43
	1 1/2	IMCOLL150	IMCOLL150PVC	2,1	IMCOLL150A	0,48
	2	IMCOLL200	IMCOLL200PVC	3,6	IMCOLL200A	1
	2 1/2	IMCOLL250	IMCOLL250PVC	4	IMCOLL250A	1,9
	3	IMCOLL300	IMCOLL300PVC	5,6	IMCOLL300A	2,2
	3 1/2	IMCOLL350	IMCOLL350PVC	7,5	IMCOLL350A	3,9
	4	IMCOLL400	IMCOLL400PVC	8,4	IMCOLL400A	4
<b>Type LR</b> 	1/2	IMCOLR50	IMCOLR50PVC	0,41	IMCOLR50A	0,09
	3/4	IMCOLR75	IMCOLR75PVC	0,65	IMCOLR75A	0,13
	1	IMCOLR100	IMCOLR100PVC	0,78	IMCOLR100A	0,23
	1 1/4	IMCOLR125	IMCOLR125PVC	1,4	IMCOLR125A	0,43
	1 1/2	IMCOLR150	IMCOLR150PVC	2,1	IMCOLR150A	0,48
	2	IMCOLR200	IMCOLR200PVC	3,6	IMCOLR200A	1
	2 1/2	IMCOLR250	IMCOLR250PVC	4	IMCOLR250A	1,9
	3	IMCOLR300	IMCOLR300PVC	5,6	IMCOLR300A	2,2
	3 1/2	IMCOLR350	IMCOLR350PVC	7,5	IMCOLR350A	3,9
	4	IMCOLR400	IMCOLR400PVC	8,4	IMCOLR400A	4



### Condulet excluding Cover and Sealing see note 9, 10, 11, 12

	Size inch	Steel, Galv. Cat. No.	Steel, galv + PVC coated Cat. No.	Weight, kg	Aluminium Cat. No.	Weight, kg
<b>Type T</b> 	1/2	IMCOT50	IMCOT50PVC	0,56	IMCOT50A	0,1
	3/4	IMCOT75	IMCOT75PVC	0,77	IMCOT75A	0,15
	1	IMCOT100	IMCOT100PVC	1	IMCOT100A	0,22
	1 1/4	IMCOT125	IMCOT125PVC	1,2	IMCOT125A	0,4
	1 1/2	IMCOT150	IMCOT150PVC	1,9	IMCOT150A	0,46
	2	IMCOT200	IMCOT200PVC	2,4	IMCOT200A	1
	2 1/2	IMCOT250	IMCOT250PVC	4,9	IMCOT250A	2
	3	IMCOT300	IMCOT300PVC	5,9	IMCOT300A	2,5
	3 1/2	IMCOT350	IMCOT350PVC	8,4	IMCOT350A	4,5
	4	IMCOT400	IMCOT400PVC	9,2	IMCOT400A	4,5
<b>Type TA</b> 	1/2	IMCOTA50	IMCOTA50PVC	0,66		
	3/4	IMCOTA75	IMCOTA75PVC	0,92		
	1	IMCOTA100	IMCOTA100PVC	1,2		
	1 1/4	IMCOTA125	IMCOTA125PVC	1,7		
	1 1/2	IMCOTA150	IMCOTA150PVC	1,9		
2	IMCOTA200	IMCOTA200PVC	3			
<b>Type TB</b> 	1/2	IMCOTB50	IMCOTB50PVC	0,56	IMCOTB50A	0,13
	3/4	IMCOTB75	IMCOTB75PVC	0,77	IMCOTB75A	0,2
	1	IMCOTB100	IMCOTB100PVC	1,1	IMCOTB100A	0,29
	1 1/4	IMCOTB125	IMCOTB125PVC	1,5	IMCOTB125A	0,53
	1 1/2	IMCOTB150	IMCOTB150PVC	1,9		
2	IMCOTB200	IMCOTB200PVC	2,7			
<b>Type X</b> 	1/2	IMCOX50	IMCOX50PVC	0,66	IMCOX50A	0,28
	3/4	IMCOX75	IMCOX75PVC	0,92	IMCOX75A	0,4
	1	IMCOX100	IMCOX100PVC	1,2	IMCOX100A	0,51
	1 1/4	IMCOX125	IMCOX125PVC	1,7		
	1 1/2	IMCOX150	IMCOX150PVC	1,9		
2	IMCOX200	IMCOX200PVC	3			

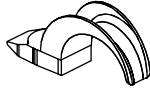

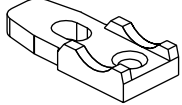
### Cover, Sealing for Condulet see note 9, 13

Size inch	Catalogue number, Steel, galvanized		Catalogue number, Aluminium		Weight, kg
	Cover with gasket	Weight, kg	Cover	Gasket	
1/2	IMCSC50	0,063	IMCC50A	IMCS50A	0,022
3/4	IMCSC75	0,071	IMCC75A	IMCS75A	0,032
1	IMCSC100	0,108	IMCC100A	IMCS100A	0,039
1 1/4	IMCSC125	0,136	IMCC125A	IMCS125A	0,048
1 1/2	IMCSC150	0,161	IMCC150A	IMCS150A	0,056
2	IMCSC200	0,225	IMCC200A	IMCS200A	0,079
2 1/2	IMCSC250	0,29	IMCC250A	IMCS250A	0,1
3	IMCSC250	0,29	IMCC250A	IMCS250A	0,1
3 1/2	IMCSC350	0,35	IMCC350A	IMCS350A	0,123
4	IMCSC350	0,35	IMCC350A	IMCS350A	0,123

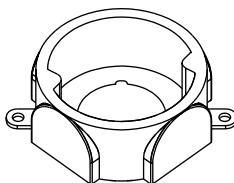
#### Notes

- 9 Cover with integrated sealing is included in PVC coated condulets. For spare covers, add **PVC** at the end of the catalogue number. Example: IMCC50**PVC**
- 10 Condulets are available in three types, Form 7, Form 8 and Mark 9. Stated types in the tables are Form 7 for steel and Mark 9 for aluminium. Form 8 is an extra large condulet of steel. Contact CHS Controls for Form 8 condulets
- 11 Contact CHS Controls for aluminium condulets type E, L, TA, TB > 1 1/4" and X > 1"
- 12 Type L has 2 openings, can be used both as type LR or LL. One cover is included
- 13 Stated weight applies for covers. Contact CHS Controls for weights on gaskets

### Conduit Clamp and Clamp Backs see note 14

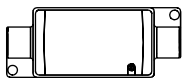
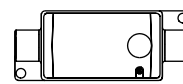
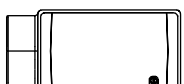
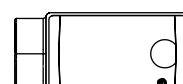
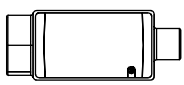
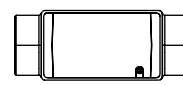
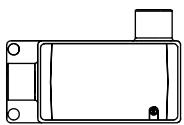
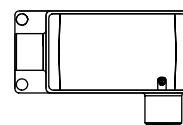
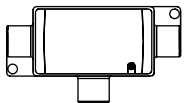
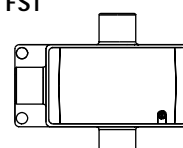
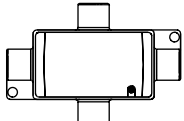
	Size inch	Steel - Galvanized Catalogue numbers		Stål - Galv + PVC coated Catalogue No. Weight/ea One hole kg		Aluminium Catalogue No. Weight/ea One hole kg	
		One hole	Two holes	One hole		One hole	
<b>Conduit clamp</b> 	1/2	IMCL50	IMCLD50	IMCL50PVC	0,027	IMCL50A	0,011
	3/4	IMCL75	IMCLD75	IMCL75PVC	0,036	IMCL75A	0,014
	1	IMCL100	IMCLD100	IMCL100PVC	0,064	IMCL100A	0,026
	1 1/4	IMCL125	IMCLD125	IMCL125PVC	0,095	IMCL125A	0,038
	1 1/2	IMCL150	IMCLD150	IMCL150PVC	0,122	IMCL150A	0,049
	2	IMCL200	IMCLD200	IMCL200PVC	0,218	IMCL200A	0,088
	2 1/2	IMCL250	IMCLD250	IMCL250PVC	0,322	IMCL250A	0,128
	3	IMCL300	IMCLD300	IMCL300PVC	0,485	IMCL300A	0,194
	3 1/2	IMCL350	IMCLD350	IMCL350PVC	0,78	IMCL350A	0,312
	4	IMCL400	IMCLD400	IMCL400PVC	1,21	IMCL400A	0,485
	<b>Clamp back</b> 	1/2	IMCB50		IMCB50PVC	0,04	IMCB50-100A
3/4		IMCB75		IMCB75PVC	0,05	IMCB50-100A	0,02
1		IMCB100		IMCB100PVC	0,082	IMCB50-100A	0,02
1 1/4		IMCB125		IMCB125PVC	0,11	IMCB125-200A	0,044
1 1/2		IMCB150		IMCB150PVC	0,145	IMCB125-200A	0,044
2		IMCB200		IMCB200PVC	0,245	IMCB125-200A	0,044
2 1/2		IMCB250		IMCB250PVC	0,325	IMCB250-300A	0,13
3		IMCB300		IMCB300PVC	0,475	IMCB250-300A	0,13
3 1/2		IMCB350		IMCB350PVC	0,73	IMCB350-400A	0,3
4		IMCB400		IMCB400PVC	0,83	IMCB350-400A	0,3

### Outlet Box with outside Mounting Lugs see note 15, 16



Type	Conduit entry Quantity	Size, inch	Catalogue number		Weight/ea kg
			Steel, galvanized	Aluminium	
Ø 115 mm, depth 36 mm	4, 3 plugs	1/2		IMVXF10	0,8
Ø 115 mm, depth 36 mm	4, 3 plugs	3/4		IMVXF20	0,8
Ø 115 mm, depth 36 mm	5, 4 plugs	1/2		IMVXF10	0,8
Ø 115 mm, depth 36 mm	5, 4 plugs	3/4		IMVXF20	0,8
Ø 116 mm, depth 35 mm	Undrilled			IMGRF19	0,8
Ø 116 mm, depth 49 mm	Undrilled			IMGRF29	0,8
Ø 116 mm, depth 79 mm	Undrilled			IMGRF39	0,8
Ø 116 mm, depth 35 mm	4, 3 plugs	1/2	IMGRFX119	IMGRF119	1,1
Ø 116 mm, depth 35 mm	4, 3 plugs	3/4	IMGRFX219	IMGRF219	1,1
Ø 116 mm, depth 49 mm	4, 3 plugs	1/2	IMGRFX129	IMGRF129	1,1
Ø 116 mm, depth 49 mm	4, 3 plugs	3/4	IMGRFX229	IMGRF229	1,1
Ø 116 mm, depth 49 mm	4, 3 plugs	1	IMGRFX329	IMGRF329	1,1
Ø 116 mm, depth 79 mm	4, 3 plugs	1/2	IMGRFX139	IMGRF139	1,1
Ø 116 mm, depth 79 mm	4, 3 plugs	3/4	IMGRFX239	IMGRF239	1,1
Ø 116 mm, depth 79 mm	4, 3 plugs	1	IMGRFX339	IMGRF339	1,1
Cover			IMGRF10	IMGRF110	0,1
Cover	1	1/2	IMGRF11	IMGRF11-SA	0,1
Cover	1	3/4	IMGRF12	IMGRF12-SA	0,1
Gasket			IMGASK643	IMGASK643	0,05

### Square Device Box, width\*height\*depth, 101\*58\*42 mm see note 16

		Conduit entry Quantity	Size, inch	Catalogue number Steel, galvanized	Aluminium	Weight/ea kg
<b>FSC</b> 	<b>FSCA</b> 	2	1/2	IMFSC1	IMFSC1SA	1,25
		2	3/4	IMFSC2	IMFSC2SA	1,25
		2	1	IMFSC3	IMFSC3SA	1,31
		3	1/2	IMFSCA1		1,25
		3	3/4	IMFSCA2		1,25
<b>FSS</b> 	<b>FSSA</b> 	2	1/2	IMFSS1	IMFSC1SA	1,05
		2	3/4	IMFSS2	IMFSC2SA	1,05
		2	1	IMFSS3		1,05
		3	3/4	IMFSSA2		1,05
		3	1/2	IMFSCC1		1,05
<b>FSCC</b> 	<b>FSCD</b> 	3	3/4	IMFSCC2		1,06
		4	1/2	IMFSCD1		1,25
		4	3/4	IMFSCD2		1,15
		2	1/2	IMFSR1		1,05
		2	3/4	IMFSR2		1,05
<b>FSR</b> 	<b>FSL</b> 	2	1/2	IMFSL1		1,05
		2	3/4	IMFSL2		1,05
		3	1/2	IMFSCT1		1,09
		3	3/4	IMFSCT2	IMFSCT2SA	1,1
		3	1	IMFSCT3		1,18
<b>FSCT</b> 	<b>FST</b> 	3	1/2	IMFST1		1,12
		3	3/4	IMFST2	IMFSC2SA	1,15
		4	1/2	IMFSX1		1,14
		4	3/4	IMFSX2		1,14
<b>FSX</b> 						

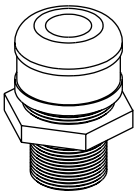
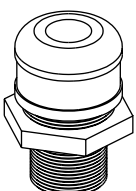
### Covers for Square Device Box see note 16

Description	Catalogue number Steel, galvanized	Aluminium	Weight/ea kg
Cover	IMDSS100	IMDS100	0,25
Gasket for cover	IMGASK91	IMGASK91	0,05
Cover for double receptacle, splash-proof	IMWLRD-1		0,15
Cover for toggle switch, splash-proof	IMDS185		0,15

#### Notes

- 14 Clamp back is not used for conduit clamp with two holes  
 15 Stated diameter is outside diameter. The conduit entry is located at the sides of the box. Type IMWXFT\_ has also a conduit entry in the bottom of the box  
 16 Stated weight applies for steel boxes, aluminium boxes weigh ca 50% of stated weight. For round outlet boxes, only available in aluminium, the stated weight applies for aluminium. Contact CHS Controls for larger boxes or other styles.

### Cable Connectors with NPT-thread see note 17, 18, 19, 20

	Thread inch	Cable dia. mm	Straight Catalogue No.	Weight/ea kg	45° Catalogue No.	90° Catalogue No.	Weight/ea kg	
<b>Steel</b>  	1/2	3,8-6,3	IMFCC506	0,045	IMFCC4506	IMFCC9506	0,118	
	1/2	6,3-8,9	IMFCC509	0,045	IMFCC4509	IMFCC9509	0,118	
	1/2	8,9-11,4	IMFCC5011	0,045	IMFCC45011	IMFCC95011	0,118	
	1/2	11,4-14,2	IMFCC5014	0,045	IMFCC45014	IMFCC95014	0,118	
	1/2	14-16	IMFCC5016	0,045	IMFCC45016	IMFCC95016	0,118	
	3/4	3,8-6,3	IMFCC756	0,063	IMFCC4756	IMFCC9756	0,217	
	3/4	6,3-8,9	IMFCC759	0,063	IMFCC4759	IMFCC9759	0,217	
	3/4	8,9-11,4	IMFCC7511	0,063	IMFCC47511	IMFCC97511	0,217	
	3/4	11,4-14,2	IMFCC7514	0,063	IMFCC47514	IMFCC97514	0,217	
	3/4	14-16	IMFCC7516	0,063	IMFCC47516	IMFCC97516	0,217	
	3/4	16-19	IMFCC7519	0,063	IMFCC47519	IMFCC97519	0,217	
	3/4	19-22	IMFCC7522	0,063	IMFCC47522	IMFCC97522	0,217	
	1	11,4-14,2	IMFCC10014	0,091				
	1	14-16	IMFCC10016	0,091				
	1	16-19	IMFCC10019	0,091				
	1	19-22	IMFCC10022	0,091				
	1	22-24	IMFCC10024	0,091				
	1	24-27	IMFCC10027	0,091				
	1 1/4	19-22	IMFCC12522	0,181				
	1 1/4	22-24	IMFCC12524	0,181				
	1 1/4	24-27	IMFCC12527	0,181				
	1 1/4	27-29	IMFCC12529	0,181				
	1 1/4	29-32	IMFCC12532	0,181				
	1 1/4	32-35	IMFCC12535	0,181				
	1 1/2	24-27	IMFCC15027	0,318				
1 1/2	27-29	IMFCC15029	0,318					
1 1/2	29-32	IMFCC15032	0,318					
1 1/2	32-35	IMFCC15035	0,318					
<b>Aluminium</b>  	1/2	3,2-6,3	IMFC506A	0,03				
	1/2	6,3-9,5	IMFC509A	0,03				
	1/2	9,5-12,7	IMFC5012A	0,03				
	1/2	12,7-15,9	IMFC5015A	0,03				
	3/4	3,2-6,3	IMFC756A	0,045				
	3/4	6,3-9,5	IMFC759A	0,045				
	3/4	9,5-12,7	IMFC7512A	0,045				
	3/4	12,7-15,9	IMFC7515A	0,045				
	1	6,9-9,5	IMFC1009A	0,115				
	1	9,5-12,7	IMFC10012A	0,115				
	1	12,7-15,9	IMFC10015A	0,115				
	1	15,9-19	IMFC10019A	0,115				
	1	19-22	IMFC10022A	0,115				
	<b>Plastic</b>	1/2	5-12	IMFC5012P	0,03			
		3/4	9-18	IMFC7518P	0,05			
1		14-25	IMFC10025P	0,06				

#### Notes

- 17 To be used with round cable. Contact CHS Controls for connectors for flat or armoured cable
- 18 Locknut is not included, see page 7 for metal locknuts. Catalogue numbers for plastic locknuts: 1/2" - IML50P, 3/4" - IML75P, 1" - IML100P
- 19 Stated weights are for straight and 90° connectors. 45° connectors weight ca 80% of corresponding 90° connector
- 20 Contact CHS Controls for alternative cable connectors or connectors in other sizes/types
- 21 Both plastic, steel and aluminium connectors can be used with Type NM liquidtight flexible conduit
- 22 Locknut is not included
- 23 Stated weights are for straight connectors. 45° and 90° connectors weights ca 65% more

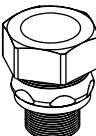
### Ultratite Liquidtight Flexible Conduit see note 21

Size inch	Diameter		Max bending radius, inside mm	Catalogue number	Packing quantity m	Weight/m kg
	Inside mm	Outside mm				
<b>Type EF, PVC covered squarelocked flexible steel conduit, extra flexible, temperature range -10 - +60°C, grey, IP 67</b>						
3/8	12,3	18	102	AF20038	30	0,42
1/2	15,7	21,3	127	AF20050	30	0,55
3/4	20,7	26,7	152	AF20075	30	0,75
1	26,2	33,4	203	AF20100	30	1,3
1 1/4	34,8	42,2	229	AF20125	15	1,45
1 1/2	40	48,3	279	AF20150	15	1,6
2	51,3	60,3	356	AF20200	15	2,7
2 1/2	63	73	483	AF20250	7,5	3,1
3	77,8	88,9	584	AF20300	7,5	4,3
4	101,6	114,3	711	AF20400	7,5	6,55
<b>Type UL, PVC covered squarelocked flexible steel conduit with integrated copper wire, UL/CSA appr., temp. range -10 - +80°C, grey, IP 67</b>						
3/8	12,3	18	152	AF10038	30	0,42
1/2	15,7	21,3	177	AF10050	30	0,55
3/4	20,7	26,7	254	AF10075	30	0,75
1	26,2	33,4	305	AF10100	30	1,3
1 1/4	34,8	42,2	355	AF10125	15	1,45
1 1/2	40	48,3	381	AF10150	15	1,6
2	51,3	60,3	432	AF10200	15	2,7
2 1/2	63	73	508	AF10250	7,5	3,1
3	77,8	88,9	686	AF10300	7,5	4,3
4	101,6	114,3	711	AF10400	7,5	6,55
<b>Typ NM, Non-metallic, UL/CSA approved, temperature range -30 - + 80°C, grey, IP 67</b>						
3/8	11,5	18		AF40038	30	0,19
1/2	15,8	21,3		AF40050	30	0,2
3/4	20,8	26,7		AF40075	30	0,25
1	2,64	33,4		AF40100	30	0,39
1 1/4	35	42,2		AF40125	15	0,51
1/2	40	48,3		AF40150	15	0,67
2	51,3	60,3		AF40200	15	0,93
<b>Type ZHUA, Non-halogen, polyurethane cov. squarelocked steel conduit with integr. copper wire, UL appr., temp. range -20 - +60°C, black, IP67</b>						
3/8	12,3	18	152	AF60038	30	0,42
1/2	15,7	21,3	177	AF60050	30	0,55
3/4	20,7	26,7	254	AF60075	30	0,75
1	26,2	33,4	305	AF60100	30	1,3
1 1/4	34,8	42,2	355	AF60125	15	1,45
1 1/2	40	48,3	279	AF60150	15	1,6
2	51,3	60,3	355	AF60200	15	2,7
2 1/2	63	73	482	AF60250	7,5	3,1
3	77,8	88,9	762	AF60300	7,5	4,3
4	101,6	114,3	863	AF60400	7,5	6,55

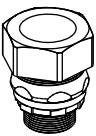

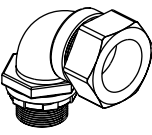
### Flexible Conduit Connector, Steel, Galvanized with Metric ISO-thread see note 22, 23

	Conduit size, inch	Metric thread	Straight connectors		45° connectors Cat. No.	90° connectors Cat. No.	Weight/ea kg
			Cat. No.	Weight, kg			
	3/8	16	IMFFM3816	0,063	IMFFM43816	IMFFM93816	0,09
	3/8	20	IMFFM3820	0,063	IMFFM43820	IMFFM93820	0,09
	1/2	20	IMFFM50	0,081	IMFFM450	IMFFM950	0,126
	3/4	25	IMFFM75	0,126	IMFFM475	IMFFM975	0,18
	1	32	IMFFM100	0,23	IMFFM4100	IMFFM9100	0,27

### Flexible Conduit Connectors, Steel, Galvanized, with PG/PR-thread see note 22, 23

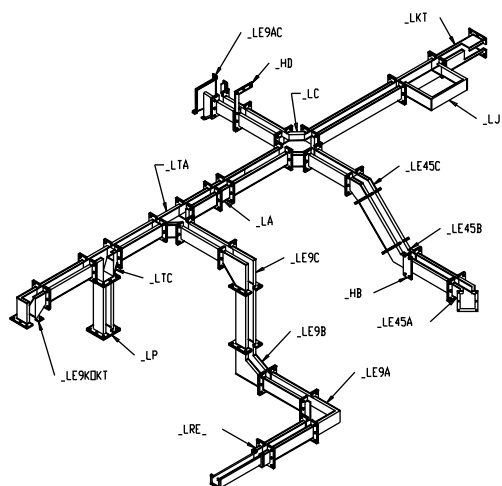
	Conduit size, inch	PG/PR thread	Straight connectors		45° connectors	90° connectors	Weight/ea kg
			Cat. No.	Weight, kg	Cat. No.	Cat. No.	
	3/8	11/18,6	IMFFP3818	0,063	IMFFP43818	IMFFP93818	0,09
	3/8	13,5/20,4	IMFFP3820	0,063	IMFFP43820	IMFFP93820	0,09
	1/2	16/22,5	IMFFP50	0,081	IMFFP450	IMFFP950	0,126
	3/4	21/28,3	IMFFP75	0,126	IMFFP475	IMFFP975	0,18
	1	29/37	IMFFP100	0,23	IMFFP4100	IMFFP9100	0,27
	1 1/4	36/47	IMFFP125	0,471	IMFFP4125	IMFFP9125	0,504
	1 1/2	42/54	IMFFP150	0,473	IMFFP4150	IMFFP9150	0,72
	2	48/59,3	IMFFP200	0,72	IMFFP4200	IMFFP9200	1,035

### Flexible Conduit Connectors with NPT-thread see note 24, 25, 26, 27

	Conduit size, inch	NPT thread	Catalogue number				Weight/ea kg
			Steel, outs. thread	Steel, ins. thread	Aluminium, out. thread	PVC, out. thread	
<b>Straight</b> 	3/8	1/2	IMFF38	IMFFF38	IMFF38A	IMFF38P	0,075
	1/2	1/2	IMFF50	IMFFF50	IMFF50A	IMFF50P	0,09
	3/4	3/4	IMFF75	IMFFF75	IMFF75A	IMFF75P	0,11
	1	1	IMFF100	IMFFF100	IMFF100A	IMFF100P	0,19
	1 1/4	1 1/4	IMFF125	IMFFF125	IMFF125A	IMFF125P	0,28
	1 1/2	1 1/2	IMFF150	IMFFF150	IMFF150A	IMFF150P	0,4
	2	2	IMFF200	IMFFF200	IMFF200A	IMFF200P	0,54
	2 1/2	2 1/2	IMFF250	IMFFF250	IMFF250A	IMFF250P	1,5
	3	3	IMFF300	IMFFF300	IMFF300A	IMFF300P	2
	4	4	IMFF400	IMFFF400	IMFF400A	IMFF400P	2,7
<b>45°</b> 	3/8	1/2	IMFF438				0,122
	1/2	1/2	IMFF450				0,132
	3/4	3/4	IMFF475				0,175
	1	1	IMFF4100				0,24
	1 1/4	1 1/4	IMFF4125				0,422
	1 1/2	1 1/2	IMFF4150				0,62
	2	2	IMFF4200				0,88
	2 1/2	2 1/2	IMFF4250				2,7
	3	3	IMFF4300				4,2
	4	4	IMFF4400				6,6
<b>90°</b> 	3/8	1/2	IMFF938		IMFF938A	IMFF938P	0,14
	1/2	1/2	IMFF950		IMFF950A	IMFF950P	0,14
	3/4	3/4	IMFF975		IMFF975A	IMFF975P	0,185
	1	1	IMFF9100		IMFF9100A	IMFF9100P	0,32
	1 1/4	1 1/4	IMFF9125		IMFF9125A	IMFF9125P	0,39
	1 1/2	1 1/2	IMFF9150		IMFF9150A	IMFF9150P	0,7
	2	2	IMFF9200		IMFF9200A	IMFF9200P	1
	2 1/2	2 1/2	IMFF9250		IMFF9250A	IMFF9250P	4
	3	3	IMFF9300		IMFF9300A	IMFF9300P	6,3
	4	4	IMFF9400		IMFF9400A	IMFF9400P	10

- Notes**
- 22 Locknut is not included
  - 23 Stated weights are for straight connectors. 45° and 90° connectors weight ca 65% more
  - 24 Steel connectors are galvanized. Aluminium connectors weigh ca 50% of stated weight, PVC connectors ca 25% of stated weight
  - 25 Locknut is included on connectors with outside thread. Locknut is not included on connectors with inside thread
  - 26 PVC-coated connectors of steel with NPT-thread, add **PVC** at the end of the catalogue number for the steel connector. Example: IMFF50 will be IMFF50PVC
  - 27 Temperature range for PVC connectors, -34 - + 80°C
  - 28 The sealing plate can be fully opened and seals between sections of the wireway
  - 29 CSA approved wireways, add **CSA** at the end of the cat. no. Example: HF22LN1 will be HF22LN1CSA. Contact CHS Controls for other types of wireways or materials
  - 30 Contact CHS Controls for dimensions and weights and for maximum number of conductors in a wireway based on NEC, National Electrical Code

### Hoffman Wireway, Lay-in Type see note 28, 29, 30



- Fully opened, no wire or cable pulling
- Stable: 1,9 mm thickness, flange 3,4 mm
- Meets UL 870, most of the parts are UL and CSA approved
- Ingress protection IP 54, NEMA 12
- Painted grey shade, ANSI 61

Description	Number sealing plate	Catalogue number size of wireway, inside dimension				
		64*64 mm	102*102 mm	152*152 mm	203*203 mm	305*152 mm
Straight section, 25 mm	1	HF22LN1	HF44LN1	HF66LN1		
Straight section, 51 mm	1	HF22LN2	HF44LN2	HF66LN2		
Straight section, 76 mm	1	HF22LN3	HF44LN3	HF66LN3		
Straight section, 152 mm	1	HF22L06	HF44L06	HF66L06	HF88L06	HF126L06
Straight section, 305 mm	1	HF22L12	HF44L12	HF66L12	HF88L12	HF126L12
Straight section, 610 mm	1	HF22L24	HF44L24	HF66L24	HF88L24	HF126L24
Straight section, 914 mm	1	HF22L36	HF44L36	HF66L36	HF88L36	HF126L36
Straight section, 1219 mm	1	HF22L48	HF44L48	HF66L48	HF88L48	HF126L48
Straight section, 1524 mm	1	HF22L60	HF44L60	HF66L60	HF88L60	HF126L60
Straight section, 3048 mm	1	HF22L120	HF44L120	HF66L120	HF88L120	HF126L120
Straight sect., clockwise transposition	1	HF22LKT	HF44LKT	HF66LKT		
Straight sect., counterclockwise tran.	1	HF22LKOKT	HF44LKOKT	HF66LKOKT		
Telescope fitting, 25-178 mm	1	HF22LA	HF44LA	HF66LA	HF88LA	HF126LA
Cut-off fitting, 229-381 mm	1	HF22LXL	HF44LXL	HF66LXL	HF88LXL	HF126LXL
Junction box	1	HF22LJ	HF44LJ	HF66LJ	HF88LJ	
90° elbow, top opening	1	HF22LE9A	HF44LE9A	HF66LE9A	HF88LE9A	HF126LE9A
90° elbow, inside opening	1	HF22LE9B	HF44LE9B	HF66LE9B	HF88LE9B	HF126LE9B
90° elbow, outside opening	1	HF22LE9C	HF44LE9C	HF66LE9C	HF88LE9C	HF126LE9C
90° elbow, outside top opening	2		HF44LE9AC	HF66LE9AC	HF88LE9AC	
90° elbow, clockwise transposition	1	HF22LE9KT	HF44LEE9KT	HF66LE9KT	HF88LE9KT	
90° elbow, clockwise transposition	1	HF22LE9KOT	HF44LEE9KOT	HF66LE9KOT	HF88LE9KOT	
45° elbow, top opening	1	HF22LE45A	HF44LE45A	HF66LE45A	HF88LE45A	HF126LE45A
45° elbow, inside opening	1	HF22LE45B	HF44LE45B	HF66LE45B	HF88LE45B	
45° elbow, outside opening	1	HF22LE45C	HF44LE45C	HF66LE45C	HF88LE45C	
Tee, top opening	2	HF22LTA	HF44LTA	HF66LTA	HF88LTA	HF126LTA
Tee, outside top opening	2	HF22LTC	HF44LTC	HF66LTC	HF88LTC	
Cross	3	HF22LC	HF44LC	HF66LC	HF88LC	HF126LC
Cover plate		HF22LP	HF44LP	HF66LP	HF88LP	HF126LP
Box connector, to be mounted inside the encl.		HF22LB	HF44LB	HF66LB	HF88LB	HF126LB
Flexible fitting, extractable		HF22WFF	HF44WFF	HF66WFF	HF88WFF	
Reducer, 102*102 mm to 64*64 mm			HF44LRE22			
Reducer, 152*152 mm till 102*102 mm				HF66LRE44		
Reducer, 203*203 mm to 152*152 mm					HF88LRE66	
Reducer, 305*152 mm to 152*152 mm					HF126LRE66	
Reducer, 305*152 mm to 102*102 mm					HF126LRE44	

# CHS Controls Installation Products - Industrial Grade

## Hoffman Wireway, Lay-in Type see note 28, 29, 30

Description	Catalogue number size of wireway, inside dimension				
	64*64 mm	102*102 mm	152*152 mm	203*203 mm	305*152 mm
Drop hanger	HF22HD	HF44HD	HF66HD	HF88HD	
Bracket hanger	HF22HB	HF44HB	HF66HB	HF88HB	
Barrier, bolt-on, 1524 mm		HF44BK60	HF66BK60	HF88BK60	HF66BK60
Barrier, bracket mounted, 1524 mm <sup>31)</sup>		HF44B360	HF66B560		
Barrier bracket, 2 compartments <sup>31)</sup>		HF44BB2C	HF66BB2C		
Barrier bracket, 3 compartments <sup>31)</sup>		HF44BB3C	HF66BB3C		
Standard sealing plate	HF22LSGQR	HF44LSGQR	HF66LSGQR	HF88LSGQR	HF126LSGQR
90° sealing plate	HF22LSAG	HF44LSAG	HF66LSAG	HF88LSAG	HF126LSAG

## Max Number of Conductors in Conduit according to North American Standard see note 32, 33, 34, 35

Conductor size		Conduit size, inch									
AWG/kcmil	mm <sup>2</sup>	½	¾	1	1¼	1½	2	2½	3	3½	4
18	0,81	25	42	69	119	161	264				
16	1,3	19	32	53	91	123	201				
14	2,1	14	24	39	68	91	149	211	326	436	562
12	3,3	10	17	29	49	67	109	154	238	318	410
10	5,3	6	11	18	31	42	68	97	150	200	258
8	8,4	3	6	10	18	24	39	56	86	115	149
6	13	2	4	7	13	17	28	40	62	83	107
4	21	1	3	4	8	10	17	25	38	51	66
2	34	1	2	4	5	7	12	17	27	36	47
1	42	1	1	2	4	5	9	13	20	27	35
1/0	53	1	1	1	3	4	8	11	17	23	29
2/0	67	1	1	1	3	4	6	9	14	19	24
3/0	85		1	1	2	3	5	7	12	16	20
4/0	107		1	1	1	2	4	6	9	13	17
250	136			1	1	1	3	5	8	10	13
350	193			1	1	1	2	4	6	8	10
500	257				1	1	1	3	5	7	9

## Recommended Drilling Size, NPT-threads

	Size inch									
	½	¾	1	1¼	1½	2	2½	3	3½	4
Outs. dia. galv. cond., mm	20,7	26,1	32,8	41,6	47,8	59,9	72,6	88,3	101,1	113,4
Outs. dia. alum. cond., mm	21,3	26,7	33,4	42,2	48,3	60,3	73	88,9	101,6	114,3
Rec. drilling size, mm	22,5	28,3	34,6	43,2	49,9	61,5	74	89,8	102,7	115,4

- Notes**
- 28 The sealing plate can be fully opened and seals between sections of the wireway
- 29 CSA approved wireways, add **CSA** at the end of the cat. no. Example: HF22LN1 will be HF22LN1**CSA**. Contact CHS Controls for other types of wireways or materials
- 30 Contact CHS Controls for dimensions and weights and for maximum number of conductors in a wireway based on NEC, National Electrical Code
- 31 Kit consists of 5 pcs
- 32 NEC, National Electrical Code, Table 3B
- 33 The table is based on single conductors type TFFN/THHN, nylon + PVC-isolated circuit wire
- 34 The conduit is filled up to 50%
- 35 AWG/kcmil, North American unit for conductor size. Stated value in mm<sup>2</sup> is only for information



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