

Elbows with ELF series female-female hubs, ELMF series male-female hubs and ELM series male-male hubs enable the 90° deviations of pipes.



<b>Classification:</b> 2014/34/UE	<b>Group II</b>	<b>Category 2GD</b>
<b>Installation:</b> EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)
<b>Marking:</b>	CE 0722 Ex II 2 GD Ex db IIC Gb Ex tb IIIC Db IP66/67	
	CE 0722 Ex II 2 GD Ex eb IIC Gb Ex tb IIIC Db IP66/67	
<b>Certification:</b>	ATEX	CESI 01 ATEX 104U
	IECEx	IECEx CES 15.0005U
	TR CU	AVAILABLE
	CCoE	AVAILABLE

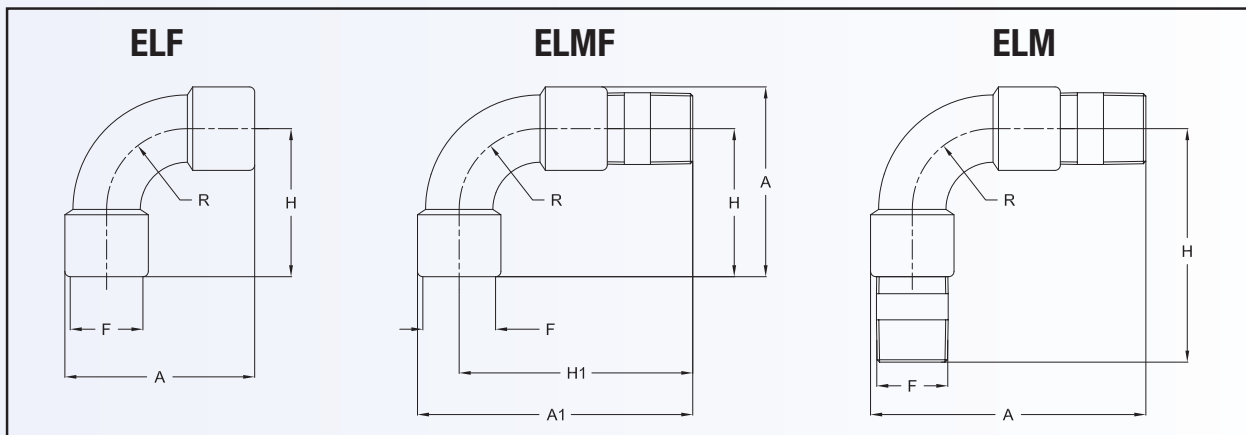
All IEC Ex, TR CU and CCoE certification data can be downloaded at [www.cortemgroup.com](http://www.cortemgroup.com)

<b>Standards:</b>	CENELEC EN 60079-0: 2012+A11:2013, EN 60079-1: 2014, EN 60079-7: 2015, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE IEC60079-0: 2013, IEC60079-1: 2009, IEC60079-7: 2008, IEC60079-31: 2011 Directive RoHS 2002/95/CE
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<b>Operating temp.:</b>	-60°C +150°C
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<b>Degree of protection:</b>	IP66/67
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Certificates are available on [www.cortemgroup.com](http://www.cortemgroup.com)



**THREAD CODIFICATION**

**NPT, N.P.S.M., UNI ISO 228/1**

02	01	1	2	3	4	5	6	7	8	9	10	12	14
1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2	2 1/2"	3"	3 1/2"	4"	5"	6"

**ISO Metric**

12	16	20	25	32	40	50	63	75	90	100	63X2	75X2	90X2
M12x1,5	M16x1,5	M20x1,5	M25x1,5	M32x1,5	M40x1,5	M50x1,5	M63x1,5	M75x1,5	M90x1,5	M100x1,5	M63x2	M75x2	M90x2

**SELECTION TABLE OF ELF 90° ELBOWS**

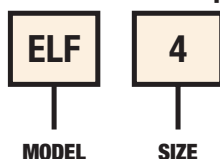
Code In aluminium	Thread F	Dimensions in mm			Weight
		A	H	R	Kg
ELF02	1/4" ISO 7/1	41	55	30	0,09
ELF01	3/8" ISO 7/1	41	55	30	0,08
ELF1	1/2" ISO 7/1	60	45	30	0,12
ELF2	3/4" ISO 7/1	75	55	30	0,10
ELF3	1" ISO 7/1	85	65	35	0,20
ELF4	1 ¼" ISO 7/1	100	75	50	0,39
ELF5	1 ½" ISO 7/1	110	87	50	0,37
ELF6	2" ISO 7/1	135	98	60	0,62
ELF7	2 ½" ISO 7/1	175	135	65	0,88
ELF8	3" ISO 7/1	210	160	85	1,48
ELF10	4" ISO 7/1	270	200	150	3,00

**SELECTION TABLE OF ELMF 90° ELBOWS**

Code In aluminium	Thread F	Dimensions in mm					Weight
		A	A1	H	H1	R	Kg
ELMF02	1/4" ISO 7/1	41	51	55	65	30	0,09
ELMF01	3/8" ISO 7/1	41	51	55	65	30	0,08
ELMF1	1/2" ISO 7/1	60	97	45	85	30	0,17
ELMF2	3/4" ISO 7/1	75	107	55	95	30	0,17
ELMF3	1" ISO 7/1	85	130	65	110	35	0,29
ELMF4	1 ¼" ISO 7/1	100	145	75	125	50	0,52
ELMF5	1 ½" ISO 7/1	110	153	87	125	50	0,50
ELMF6	2" ISO 7/1	135	180	98	143	60	0,79
ELMF7	2 ½" ISO 7/1	175	220	135	185	65	1,43
ELMF8	3" ISO 7/1	210	255	160	205	85	2,20
ELMF10	4" ISO 7/1	270	300	200	245	150	3,93

**SELECTION TABLE OF ELM 90° ELBOWS**

Code In aluminium	Thread F	Dimensions in mm			Weight
		A	H	R	Kg
ELM02	1/4" ISO 7/1	51	65	25	0,09
ELM01	3/8" ISO 7/1	51	65	25	0,08
ELM1	1/2" ISO 7/1	97	56	30	0,21
ELM2	3/4" ISO 7/1	107	56	30	0,22
ELM3	1" ISO 7/1	130	70	35	0,38
ELM4	1 ¼" ISO 7/1	145	85	50	0,64
ELM5	1 ½" ISO 7/1	153	85	50	0,64
ELM6	2" ISO 7/1	180	143	60	0,96
ELM7	2 ½" ISO 7/1	220	185	65	1,99
ELM8	3" ISO 7/1	255	205	85	2,92
ELM10	4" ISO 7/1	300	245	150	4,86

**Order code example**

**TECHNICAL NOTES:**

- Available also with NPT thread (example code **ELF3N**)
- Available upon request with ISO metric thread (example code **ELF4I**)