



**CI** *corrotherm*<sup>®</sup>  
INTERNATIONAL

heat & corrosion  
**RESISTANT MATERIALS**

## About the Company

Operating professionally and responsibly are key goals for us. We ensure continuous improvement in our team through membership of the Energy Industries Council, the Institute of Directors and Institute of Export alongside internal CPD training.

This helps to ensure that we minimise our impact on the environment whilst maintaining a safe and productive working environment. This system has been fully audited by Exova BM TRADA.

Quality is key to our product and the service conditions it is used for, consequently our management systems meet the requirements of ISO 900:2015 and all stock fulfils the requirements of NACE standards where appropriate.

To demonstrate our keen commitment to both Health & Safety and environmental matters we have adopted an Integrated Management System meeting not only the requirements of ISO 9001:2015 but also ISO 14001:2015 and OHSAS 18001:2015. This helps to ensure that we minimise our impact on the environment and maintain a safe and productive working environment and this system has been fully audited by BM Trada Exova.

Customer Care is our priority and we pride ourselves on being able to tackle complex issues quickly and effectively. Our extensive market and product knowledge allows us to provide beneficial and complete solutions for our customers.

**No client problem is too big or too small.**

## Fittings and Flanges

**Tolerances:** ANSI B16.5 **Grades:** ASTM B564 Inconel Alloy 625 (UNS N06625), ASTM B564 Incoloy Alloy 825 (UNS N08825)

SIZE	Weld Neck Flanges		
	150lb	300lb	600lb
½"	✓	✓	✓
1"	✓	✓	✓
1½"	✓	✓	✓
2"	✓	✓	✓
3"	✓	✓	✓
4"	✓	✓	✓
6"	✓	✓	

SIZE	Blind Flanges		
	150lb	300lb	600lb
½"	✓	✓	✓
1"	✓	✓	✓
1½"	✓	✓	✓
2"	✓	✓	✓
3"	✓	✓	✓
4"	✓	✓	✓
6"	✓	✓	

**ASTM B366 Tolerances:** ANSI B16.9 **Grades:** Inconel Alloy 625 (UNS N06625), Inconel Alloy 600 (UNS N06600), Incoloy Alloy 825 (UNS N08825), Nickel 200/201 (UNS N02201), Monel Alloy 400 (UNSN04400), Inconel Alloy C276 (UNS10276)

SIZE	90° Long Radius Elbows		
	Sch 10	Sch 40	Sch 80
½"	✓	✓	✓
¾"	✓	✓	✓
1"	✓	✓	✓
1½"	✓	✓	✓
2"	✓	✓	✓
3"	✓	✓	✓

SIZE	Equal Tees		
	Sch 10	Sch 40	Sch 80
½"	✓	✓	✓
¾"	✓	✓	✓
1"	✓	✓	✓
1½"	✓	✓	✓
2"	✓	✓	✓
3"	✓	✓	✓

SIZE	Concentric Reducers		
	Sch 10	Sch 40	Sch 80
1" x ½"		✓	✓
1" x ¾"		✓	✓
1½" x ¾"	✓	✓	✓
1½" x 1"	✓	✓	✓
2" x ¾"	✓	✓	✓
2" x 1"	✓	✓	✓
2" x 1½"	✓	✓	✓
3" x 1½"	✓	✓	✓
3" x 2"	✓	✓	✓

## Material Line Card and Product Forms

### Product Forms

Pipe
Fittings
Flanges

### Nickel Alloys

INCONEL® alloy 625
INCOLOY® alloy 825
MONEL® alloy 400
Nickel 200/201
Alloy 800H/HT®
INCONEL® alloy C276
Alloy 20
INCONEL® alloy 600
INCONEL® alloy 601
INCONEL® alloy C22

Management systems certified as meeting the requirements of:



## Pipe and Fittings Stocks (Seamless)

	625	825	400	200/201	C276	20	600	601	800H/HT	C22
1/2" SCH 10 - SCH 80	✓	✓	✓	✓	✓	✓	✓		✓	✓
1/2" SCH 160 - XXS	✓	✓	✓							
3/4" SCH 10 - SCH 80	✓	✓	✓	✓	✓	✓	✓		✓	✓
3/4" SCH 160 - XXS	✓	✓								
1" SCH 10 - SCH 40	✓	✓	✓	✓	✓	✓	✓		✓	✓
1" SCH 80	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1" SCH 160 - XXS	✓	✓	✓		✓					
1 1/4" SCH 40 - SCH 80	✓		✓							
1 1/4" SCH 160 - SCH XXS								✓		
1 1/2" SCH 10 - SCH 80	✓	✓	✓	✓	✓	✓	✓		✓	✓
1 1/2" SCH 160 - XXS	✓	✓	✓							
2" SCH 10 - SCH 40	✓	✓	✓	✓	✓	✓	✓		✓	✓
2" SCH 80	✓	✓	✓	✓	✓	✓	✓		✓	✓
2" SCH 160	✓	✓	✓		✓				✓	
2" XXS	✓									
2 1/2" SCH 40 - SCH 80	✓		✓				✓			
2 1/2" SCH 160	✓	✓	✓	✓	✓	✓	✓			
3" SCH 10 - SCH 80	✓	✓	✓	✓	✓	✓	✓		✓	✓
3" SCH 160	✓	✓								
3" XXS	✓	✓	✓	✓	✓	✓	✓			
4" SCH 10 - SCH 40	✓	✓	✓	✓	✓	✓	✓		✓	
4" SCH 80	✓	✓	✓	✓	✓		✓		✓	
4" SCH 160	✓	✓								
4" XXS	✓	✓	✓	✓	✓	✓	✓			
6" SCH 10 - SCH 40	✓	✓	✓	✓	✓		✓		✓	
6" SCH 80	✓	✓								
8" SCH 40										



PIPE SIZE	O.D. IN MM	Pipe Schedules														
		5	10	20	30	STD 40 S	40	60	XS 80 S	80	100	120	140	160	XXS	
1/8	10,29	0,89 0,21	1,24 0,28			1,73 0,64	1,73 0,64		2,41 0,48	2,41 0,48						Upper figures Wall thickness in mm  Lower figures Wt. per mtr. In kg based on weight factor of 8.0 g/cm <sup>3</sup> See below for nickel alloy weight factors
1/4	13,7	1,24 0,39	1,65 0,50			2,24 0,73	2,24 0,73		3,02 0,81	3,02 0,81						
3/8	17,1	1,24 0,49	1,65 0,64			2,31 0,86	2,31 0,86		3,20 1,12	3,20 1,12						
1/2	21,3	1,65 0,81	2,11 1,02			2,77 1,29	2,77 1,29		3,73 1,65	3,73 1,65				4,75 1,97	7,46 2,59	
3/4	26,7	1,65 1,03	2,11 1,30			2,87 1,71	2,87 1,71		3,91 2,23	3,91 2,23				5,53 2,93	7,82 3,69	
1	33,4	1,65 1,31	2,77 2,13			3,38 2,54	3,38 2,54		4,55 3,29	4,55 3,29				6,35 4,31	9,09 5,54	
1 1/4	42,2	1,65 1,67	2,77 2,73			3,56 3,44	3,56 3,44		4,85 4,54	4,85 4,54				6,35 5,70	9,70 7,89	
1 1/2	48,3	1,65 1,93	2,77 3,16			3,68 4,12	3,68 4,12		5,08 5,49	5,08 5,49				7,13 7,36	10,16 9,70	
2	60,3	1,65 2,52	2,77 3,99			3,91 5,53	3,91 5,53		5,54 7,60	5,54 7,60				8,71 11,26	11,07 13,70	
2 1/2	73,0	2,11 3,75	3,05 5,34			5,16 8,77	5,16 8,77		7,01 11,60	7,01 11,60				9,53 15,16	14,02 20,73	
3	88,9	2,11 4,59	3,05 6,56			5,49 11,47	5,49 11,47		7,62 15,52	7,62 15,52				11,10 21,68	15,24 28,13	
3 1/2	101,6	2,11 5,26	3,05 7,53			5,74 13,79	5,74 13,79		8,08 18,93	8,08 18,93					16,15 34,59	
4	114,3	2,11 5,93	3,05 8,50			6,02 16,34	6,02 16,34		8,56 22,70	8,56 22,70		11,10 28,77		13,48 34,08	17,12 41,70	
5	141,3	2,77 9,45	3,40 11,74			6,55 22,13	6,55 22,13		9,53 31,46	9,53 31,46		12,70 40,94		15,87 49,90	19,05 58,36	
6	168,3	2,77 11,48	3,40 14,04			7,11 28,72	7,11 28,72		10,97 43,25	10,97 43,25		14,27 55,09		18,23 68,58	21,95 80,48	
8	219,1	2,77 15,00	3,76 20,27	6,35 33,85	7,04 37,39	8,18 43,22	8,18 43,22	10,31 53,96	12,70 65,69	12,70 65,69	15,06 77,02	18,23 91,79	20,62 102,59	23,01 113,08	22,23 109,64	
10	273,1	3,40 22,96	4,19 28,21	6,35 42,45	7,79 51,84	9,27 61,29	9,27 61,29	12,70 82,88	12,70 82,88	15,06 97,39	18,23 116,47	21,41 135,05	25,40 157,61	28,57 175,02		
12	323,9	4,19 33,01	4,57 36,54	6,35 50,54	8,38 66,27	9,53 75,03	10,31 81,03	14,27 110,75	12,70 99,04	17,45 134,00	21,41 162,30	25,40 190,01	28,57 211,51	33,32 242,69		
14	355,6		6,35 55,58	7,92 69,16	9,53 82,62	9,53 82,62	11,12 95,94	15,06 128,55	12,70 109,14	19,05 160,63	23,80 197,88	27,76 228,16	31,75 257,68	35,71 286,30		
16	406,4		6,35 63,66	7,92 79,27	9,53 94,76	9,53 94,76	12,70 125,31	16,66 162,76	12,70 125,31	21,41 206,66	26,19 249,51	30,93 291,14	36,52 338,38	40,46 371,08		
18	457,2		6,35 71,75	7,92 89,37	11,10 124,24	9,53 106,87	14,27 158,67	19,05 209,23	12,70 141,48	23,80 258,59	29,36 314,91	34,92 369,57	39,67 415,14	45,24 467,07		
20	508,0		6,35 79,83	9,53 119,00	12,70 157,61	9,53 119,00	15,06 186,07	20,62 251,93	12,70 157,61	26,19 316,27	32,51 387,73	38,10 448,75	44,45 516,43	49,99 573,81		
24	609,6		6,35 96,41	9,53 143,25	14,27 213,17	9,53 143,25	17,45 259,20	24,59 360,48	12,70 190,01	30,94 448,75	38,89 556,24	46,02 650,11	52,37 731,41	59,51 820,44		

Weight factors for ni alloys: Inconel 8.497 - Incoloy 8.027 - C276 8.974 – Nickel 8.89 – Alloy 20 8.09 – Monel 8.84

**Corrotherm International Ltd**  
Unit 31, South Hampshire Industrial Park  
Stephenson Road, Totton, Southampton  
Hampshire SO40 3SA  
United Kingdom

Tel: + 44 (0) 23 8074 8100  
Fax: + 44 (0) 23 8074 8144  
Email: sales@corrotherm.co.uk

**Corrotherm International Europe BV**  
Terminalweg, 21D  
3812AJ, Amersfoort  
The Netherlands

Tel: + 31 (0) 33 8080 602  
Fax: + 44 (0) 23 8074 8144  
Email: sales@corrotherm.co.uk



Offices in: UK, Netherlands, Saudi Arabia, UAE, India, Australia, South Korea

www.corrotherm.co.uk