

TECHNICAL CATALOGUE WHITEHEART MALLEABLE CAST IRON FITTINGS EE



Odlewnia Zawiercie S.A.
ul. Leśna 10
42-400 Zawiercie
POLAND

www.eeodlewnia.pl



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GENERAL INFORMATION

USE

Whiteheart malleable cast iron fittings brand EE are used in threaded pipe joints, particularly in water, gas, steam, central heating, sprinkler system networks, etc., it means for transporting non-aggressive liquids and gases.

RANGE OF DIMENSION

DN (mm)	8	10	15	20	25	32	40	50	65	80	100
INCH	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4

MANUFACTURING

According to EN 10242 and ISO 49 - construction symbol "A".

MATERIAL

Łączniki: żeliwo ciągliwe białe EN-GJM-400-5 wg EN 1562 odp. W 40-05 wg ISO 5922
Właściwości mechaniczne badane na próbkach o średnicy 12mm

Tensile strength [Mpa]	Elongation [%]	Hardness HB
min 400	min 5,0	max 220

MATERIAL

Fittings: whiteheart malleable cast iron EN-GJM-400-5 according to EN 1562 equivalent to 40-05, according to ISO 5922

Mechanical properties are tested on the samples of the diameter 12mm

THREADS

Threads: acc. to ISO 7/1 - R tapered external threads, internal cylindrical Rp threads and acc. ISO 228/1 - G connecting threads.

SURFACE / ZINC PLATING

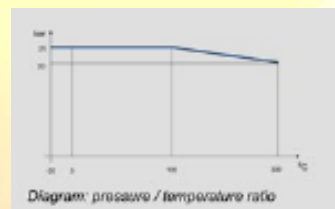
EE brand fittings can be supplied in accordance to order: with black or galvanized surface.

According to EN 10242, zinc coating weight relative to the surface exceeds 500 gr/m², which corresponds to an average layer thickness of 70 µm.

Both black and galvanized are protected against corrosion. Corrosion protection does not contain polycyclic aromatic hydrocarbons

OPERATING PRESSURE

- 2,5 MPa / 25 bar / at the temp. from -20°C do 120°C
- 2,0 MPa / 20 bar / at the temp. 300°C
- between 120°C and 300°C the values are interpolated



LEAK TEST

According to EN 10242 each EE brand fitting is subjected to a leak test at air pressure of at least 0,5 MPa / 5 bar/, which is equivalent to a minimum hydrostatic pressure of 2,0 MPa / 20 bar / .

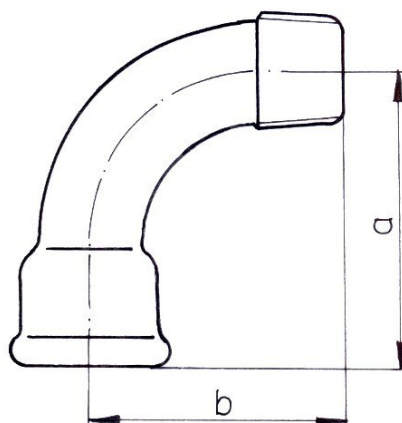
DESIGN

Technical aspects, appearance, and characteristics of fittings can be modified to match the technical progress and in accordance with the applicable standards.

G4



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LONG SWEEP BEND 90°

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

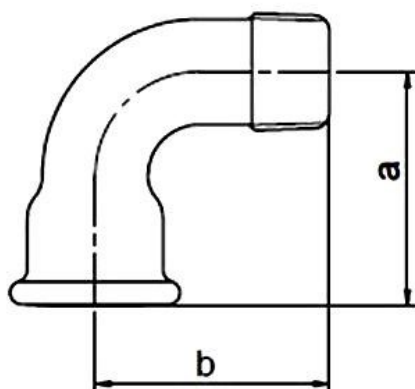
G4
1
13

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/4	5,6	6,2	120	40	36
3/8	6,7	7,0	80	48	42
1/2	11,1	11,7	100	55	48
3/4	13,1	13,6	60	69	60
1	23,6	24,3	60	85	75
1 1/4	22,4	23,4	35	105	95
1 1/2	21,1	22,0	25	116	105
2	20,6	21,6	15	140	130
2 1/2	10,0	10,2	4	176	165
3	10,8	11,1	3	205	190
4	6,5	6,7	1	260	245

D4



1a/1a



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SHORT BEND 90°

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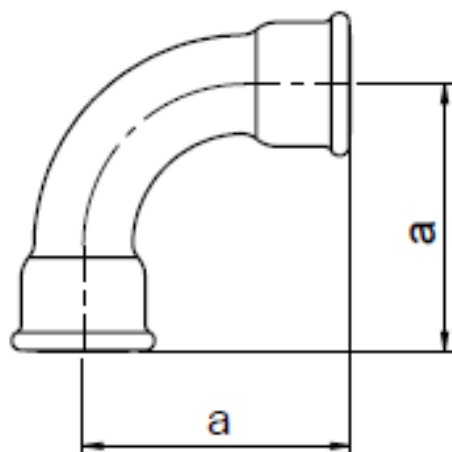
G4
1
13

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a=b [mm]
	black	galv		
3/8	5,8	6,0	80	36
1/2	6,2	6,4	50	45
3/4	5,1	5,3	30	50
1	6,8	7,1	20	63
1 1/4	5,4	5,6	10	76
1 1/2	5,7	5,8	8	85
2	4,4	4,5	4	102

G1



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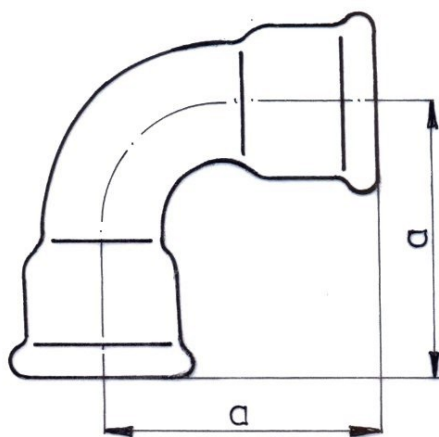
G1
2
15

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	6,3	6,6	100	40
3/8	5,8	6,0	60	48
1/2	11,8	12,1	80	55
3/4	14,5	15,1	60	69
1	22,3	22,6	50	85
1 1/4	24,5	25,0	30	105
1 1/2	22,1	23,0	23	116
2	17,9	18,3	12	140
2 1/2	11,0	11,2	4	176
3	11,9	12,2	3	205
4	6,9	7,0	1	260

D1



2a/2a



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SHORT BEND 90°

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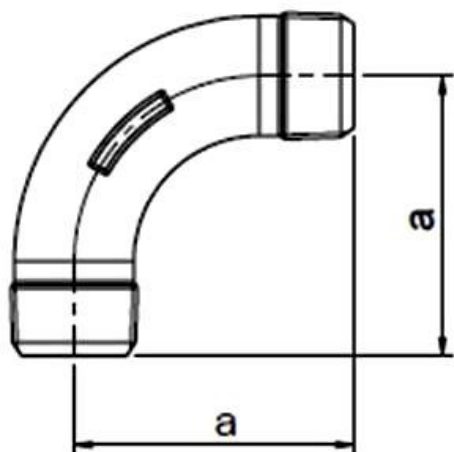
D1
2a
2a

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	5,0	5,2	60	36
1/2	6,8	7,0	50	45
3/4	6,7	6,8	30	50
1	5,6	5,8	15	63
1 1/4	5,8	6,0	10	76
1 1/2	3,9	4,0	5	85
2	3,6	3,7	3	102

G8



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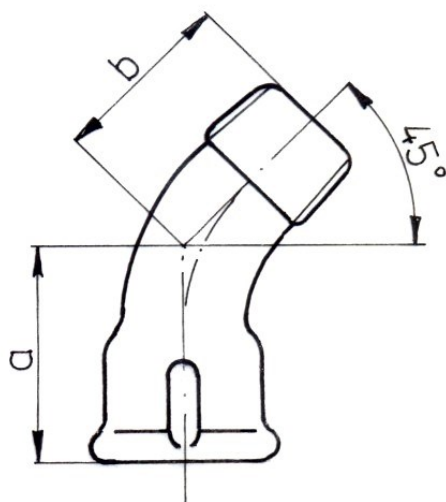
G8
3
14

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	5,2	5,6	50	48
3/4	5,4	5,7	30	62
1	6,6	6,9	20	75

G4/45°



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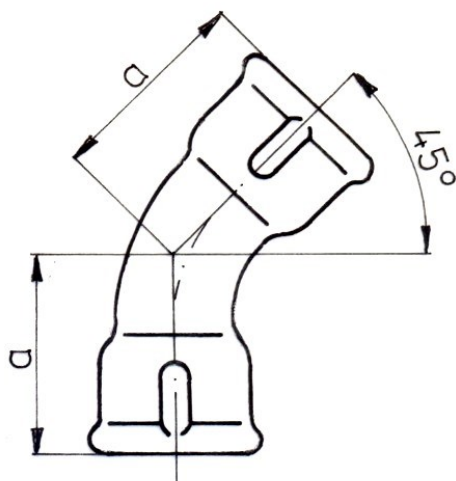
G4/45°
40
22

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/4	4,3	4,4	100	26	21
3/8	4,8	5,0	80	30	24
1/2	9,3	9,6	100	36	30
3/4	9,7	10,1	70	43	36
1	10,6	11,2	40	51	42
1 1/4	11,5	12,0	25	64	54
1 1/2	8,1	8,5	15	68	58
2	7,5	7,7	8	81	70
2 1/2	6,0	6,2	4	99	86
3	13,8	14,2	6	113	100
4	7,8	8,0	2	127	114

G1/45°



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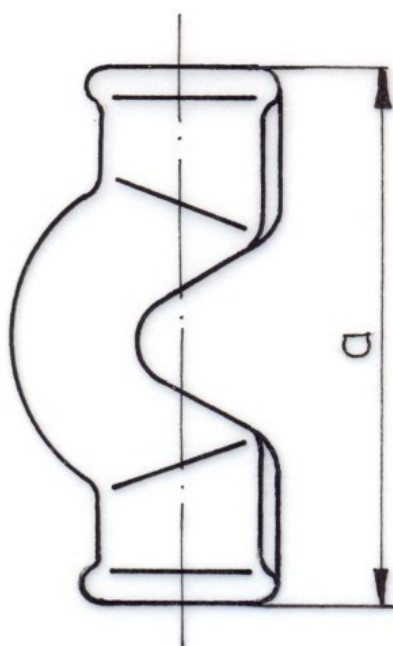
PN, EN, ISO
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CATALOGUE EE

G1/45°
41
20

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	4,6	4,9	60	30
1/2	12,5	13,0	100	36
3/4	13,0	13,4	60	43
1	10,2	10,7	30	51
1 1/4	11,5	11,8	20	64
1 1/2	8,9	9,2	12	68
2	6,4	6,5	6	81
2 1/2	7,3	7,5	4	99
3	15,5	16,1	6	113



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CROSSOVER

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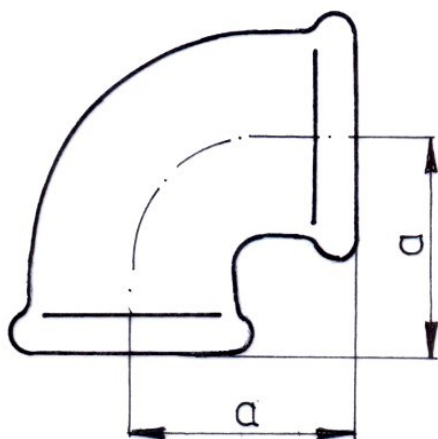
85

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	16,5	17,0	80	92
3/4	14,6	15,7	40	110

A1



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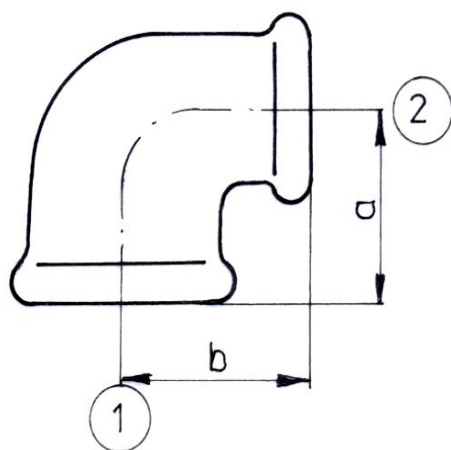
A1
90
6

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/4	11,7	12,0	250	21	21
3/8	12,3	12,9	200	25	25
1/2	14,0	14,4	150	28	28
3/4	12,5	12,9	80	33	33
1	22,9	24,0	100	38	38
1 1/4	23,5	24,0	60	45	45
1 1/2	24,9	25,5	50	50	50
2	17,5	18,1	25	58	58
2 1/2	17,3	18,0	15	69	69
3	15,1	15,5	10	78	78
4	11,1	11,4	4	96	96

A1



90/6



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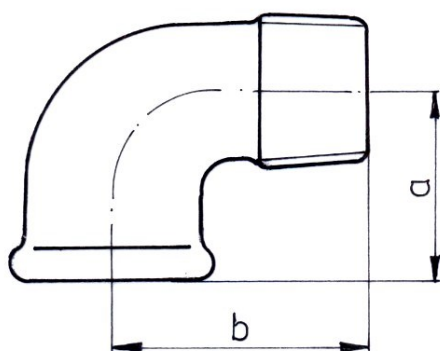
A1
90
6

dimension [inch] (1)x(2)	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8x1/4	5,4	5,8	100	23	23
1/2x1/4	5,8	6,0	80	24	24
1/2x3/8	6,4	6,5	80	26	26
3/4x3/8	5,3	5,6	50	28	28
3/4x1/2	12,1	12,7	100	30	31
1x3/8	6,0	6,2	40	30	32
1x1/2	13,8	14,4	70	32	34
1x3/4	19,5	19,8	100	35	36
1 1/4x1/2	11,3	12,8	45	35	38
1 1/4x3/4	11,1	11,4	40	36	41
1 1/4x1	11,2	11,8	35	40	42
1 1/2x1/2	11,6	12,3	40	36	43
1 1/2x3/4	9,7	10,0	30	38	44
1 1/2x1	11,2	11,4	30	42	46
1 1/2x1 1/4	9,3	9,6	20	46	48
2x3/4	11,1	11,3	25	40	50
2x1	7,1	7,2	15	44	52
2x1 1/4	8,1	8,6	14	48	54
2x1 1/2	8,7	9,3	14	52	55
2 1/2x2	8,1	8,4	8	61	66

A4



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A4
92
7

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/4	11,9	12,8	300	21	28
3/8	14,2	15,0	250	25	32
1/2	14,9	15,3	150	28	37
3/4	11,3	11,6	80	33	43
1	22,3	23,2	100	38	52
1 1/4	21,4	22,1	55	45	60
1 1/2	22,2	23,1	45	50	65
2	17,4	18,1	25	58	74
2 1/2	16,4	16,8	15	69	88
3	16,3	16,9	10	78	98
4	12,0	12,3	4	96	118

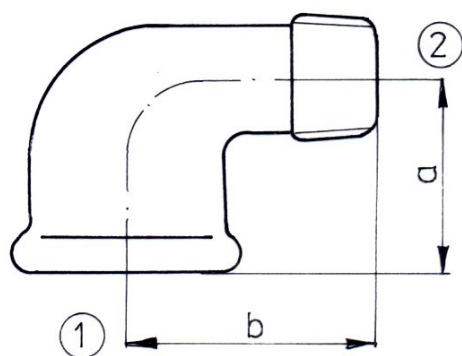
A4



2

1

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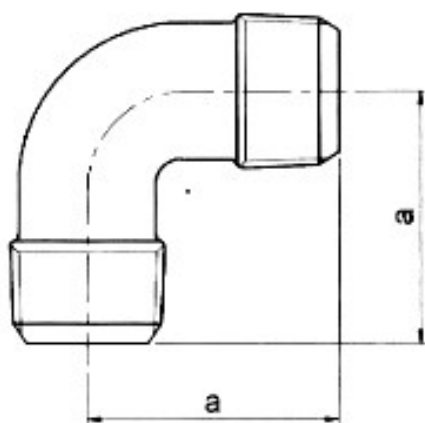
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ELBOW 90°, REDUCING

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CATALOGUE INTERNATIONAL
CATALOGUE EE

A4
92
7

dimension [inch] (1)x(2)	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/2x3/8	5,8	6,0	80	26	33
3/4x1/2	5,8	6,4	50	30	40
1x3/4	9,7	10,3	50	35	46

**94/94**

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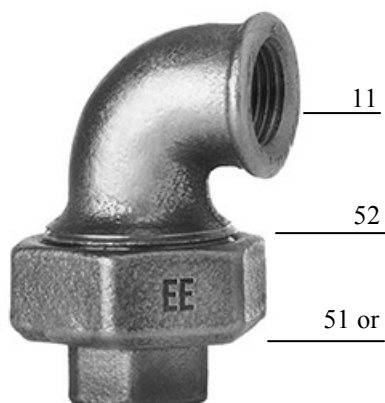
CATALOGUE INTERNATIONAL
CATALOGUE EE

94

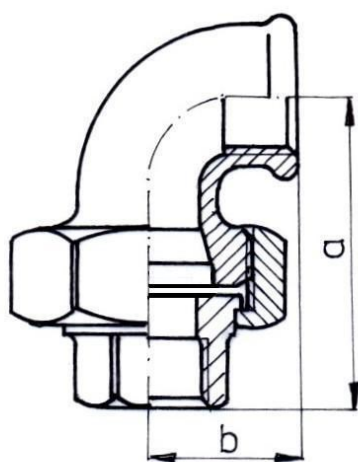
94

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	5,1	5,3	60	37
3/4	4,8	5,0	40	40
1	6,5	6,7	30	47

UA1



95or/9or



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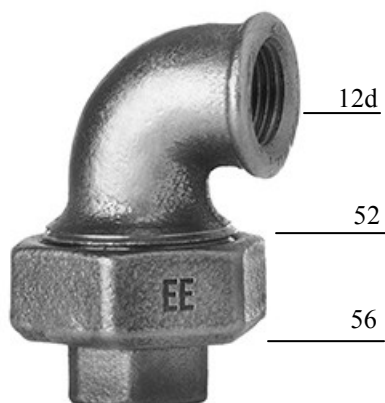
UNION ELBOW, FLAT SEAT

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

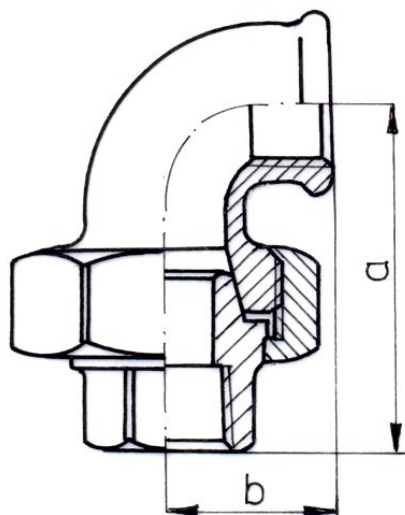
UA1
95or
9or

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8	6,4	6,7	40	52	25
1/2	8,6	9,0	30	58	28
3/4	7,0	7,3	20	62	33
1	9,4	9,7	20	72	38
1 1/4	8,5	8,8	10	82	45
1 1/2	8,1	8,3	8	90	50
2	8,9	9,1	6	100	58

UA11



96/10



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UNION ELBOW, TAPER SEAT

PN, EN, ISO
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CATALOGUE EE

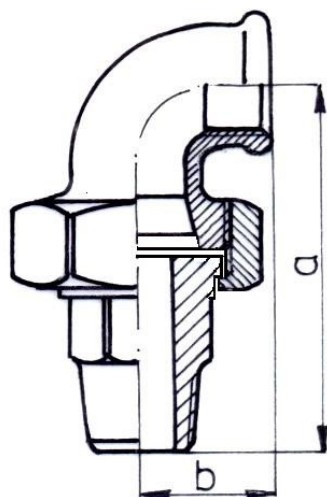
UA11
96
10

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8	6,5	6,8	40	52	25
1/2	17,9	18,5	60	58	28
3/4	16,9	17,5	45	62	33
1	9,9	10,2	20	72	38
1 1/4	8,8	9,0	10	82	45
1 1/2	8,3	8,7	8	90	50
2	9,6	9,9	6	100	58

UA2



97or/11or



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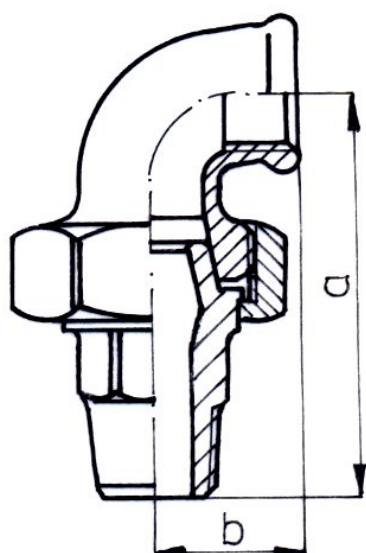
UA2
97or
11or

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8	5,4	5,5	30	65	25
1/2	6,4	6,7	20	76	28
3/4	6,7	7,0	17	82	33
1	8,4	8,6	15	94	38
1 1/4	9,8	10,2	10	107	45
1 1/2	8,3	8,5	7	115	50
2	8,3	8,6	5	128	58

UA12



98/12



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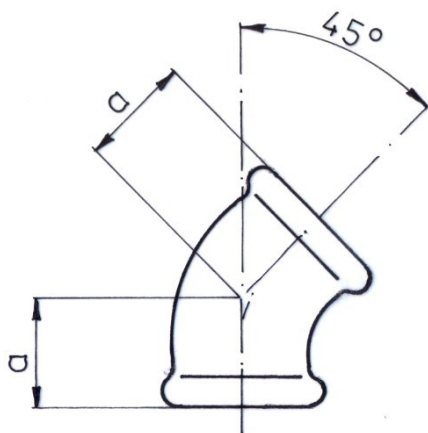
UA12
98
12

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8	5,2	5,5	30	65	25
1/2	16,5	17,0	50	76	28
3/4	14,8	15,3	35	82	33
1	8,9	9,2	15	94	38
1 1/4	10,0	10,3	10	107	45
1 1/2	8,5	8,7	7	115	50
2	8,7	9,0	5	128	58

A1/45°



120/5



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ELBOW 45°

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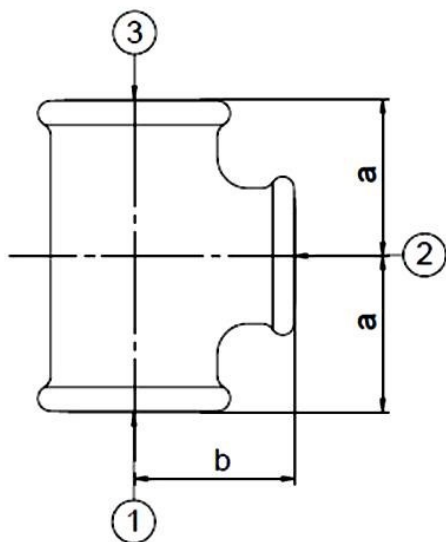
A1/45°
120
5

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	5,9	6,2	70	22
3/4	5,4	5,6	40	25
1	10,4	10,8	50	28

B1



130/25



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TEE, EQUAL

PN, EN, ISO
CATALOGUE INTERNATIONAL
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B1
130
25

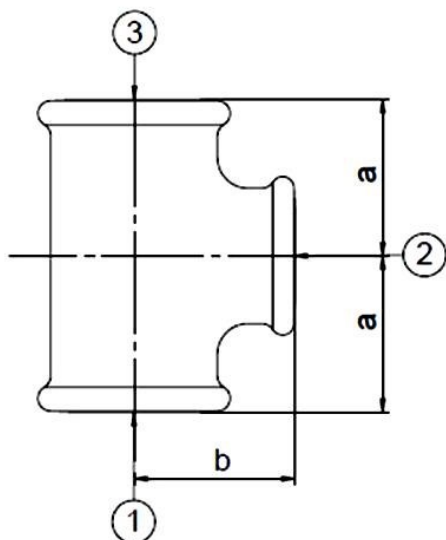
dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/4	9,8	9,9	150	21	21
3/8	9,6	10,1	120	25	25
1/2	13,9	14,2	100	28	28
3/4	21,4	21,9	100	33	33
1	21,6	22,9	70	38	38
1 1/4	21,9	22,3	40	45	45
1 1/2	19,2	19,6	30	50	50
2	18,4	19,1	20	58	58
2 1/2	15,1	15,1	10	69	69
3	17,5	18,1	8	78	78
4	14,3	14,8	4	96	96

B1



1

130/25



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TEE, REDUCING ON THE BRANCH

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

B1
130
25

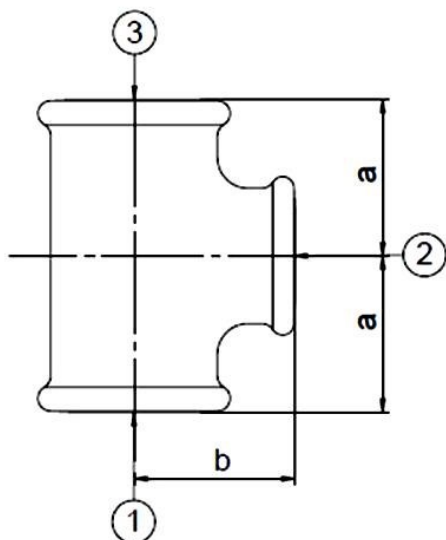
dimension [inch] 1=3>2	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8x1/4x3/8	5,2	5,4	80	23	23
1/2x1/4x1/2	4,9	5,3	50	24	24
1/2x3/8x1/2	5,3	5,6	50	26	26
3/4x1/4x3/4	4,3	4,5	30	26	27
3/4x3/8x3/4	4,6	5,1	30	28	28
3/4x1/2x3/4	21,5	22,2	120	30	31
1x3/8x1	11,4	11,7	50	30	32
1x1/2x1	26,4	27,4	100	32	34
1x3/4x1	23,7	24,4	80	35	36
1 1/4x3/8x1 1/4	6,9	7,1	20	32	36
1 1/4x1/2x1 1/4	21,6	22,5	60	34	38
1 1/4x3/4x1 1/4	18,1	19,0	50	36	41
1 1/4x1x1 1/4	21,3	22,4	50	40	42
1 1/2x1/2x1 1/2	17,0	17,4	40	36	42
1 1/2x3/4x1 1/2	17,7	18,4	40	38	44
1 1/2x1x1 1/2	14,3	14,7	30	42	46
1 1/2x1 1/4x1 1/2	16,5	17,0	30	46	48
2x1/2x2	16,7	17,6	30	38	48
2x3/4x2	17,5	18,2	30	40	50
2x1x2	13,5	13,8	20	44	52
2x1 1/4x2	14,9	15,2	20	48	54
2x1 1/2x2	16,0	16,4	20	52	55
2 1/2x3/4x2 1/2	8,2	8,6	9	46	59
2 1/2x1x2 1/2	8,6	8,9	9	47	60
2 1/2x1 1/4x2 1/2	6,8	6,9	6	52	62
2 1/2x1 1/2x2 1/2	7,2	7,4	6	55	63
2 1/2x2x2 1/2	19,1	19,6	15	61	66
3x1x3	8,1	8,5	6	51	67
3x1 1/4x3	9,0	9,3	6	55	70
3x1 1/2x3	5,5	5,8	4	58	71
3x2x3	13,3	13,8	8	64	73
3x2 1/2x3	15,4	15,7	8	72	76
4x1 1/2x4	9,2	9,5	4	65	82
4x2x4	10,2	10,5	4	70	86
4x2 1/2x4	11,3	11,5	4	79	89
4x3x4	11,6	11,9	4	84	92

B1



1

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TEE, INCREASING ON THE BRANCH

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

B1
130
25

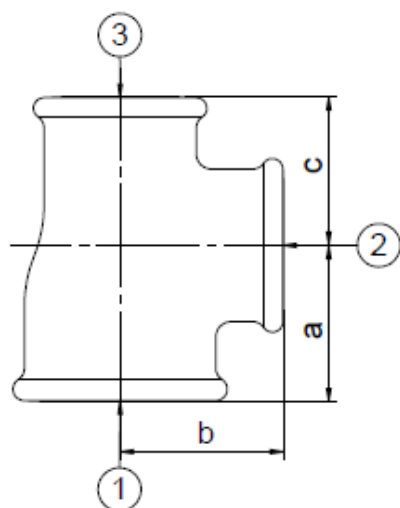
dimension [inch] 1=3<2	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/8x1/2x3/8	4,8	5,0	50	26	26
1/2x3/4x1/2	6,5	6,7	40	31	30
1/2x1x1/2	5,6	5,7	30	34	32
3/4x1x3/4	5,8	5,9	25	36	35
1x1 1/4x1	4,7	4,8	12	42	40
1x1 1/2x1	5,2	5,7	12	46	42
1 1/4x1 1/2x1 1/4	5,1	5,3	9	48	46
1 1/4x2x1 1/4	4,1	4,3	6	54	48
1 1/2x2x1 1/2	3,6	3,8	5	55	52
2x2 1/2x2	3,4	3,5	3	66	61

B1



1

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TEE, REDUCING ON THE RUN

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

B1
130
25

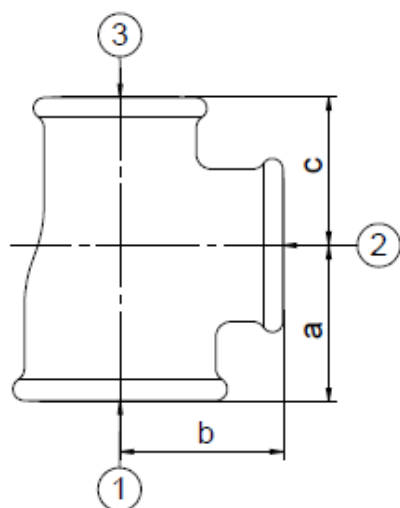
dimension [inch] 1=2,3	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]		
	black	galv		a	b	c
1/2x1/2x3/8	5,7	5,9	50	28	28	26
3/4x3/4x1/2	9,1	9,7	50	33	33	31
1x1x1/2	10,1	10,6	40	38	38	34
1x1x3/4	9,8	10,3	35	38	38	36
1 1/4x1 1/4x3/4	4,5	4,7	10	45	45	41
1 1/4x1 1/4x1	4,7	4,8	10	45	45	42
1 1/2x1 1/2x1 1/4	3,9	4,0	6	50	50	48

B1



1

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TEE, REDUCING ON THE BRANCH, REDUCING ON THE RUN

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

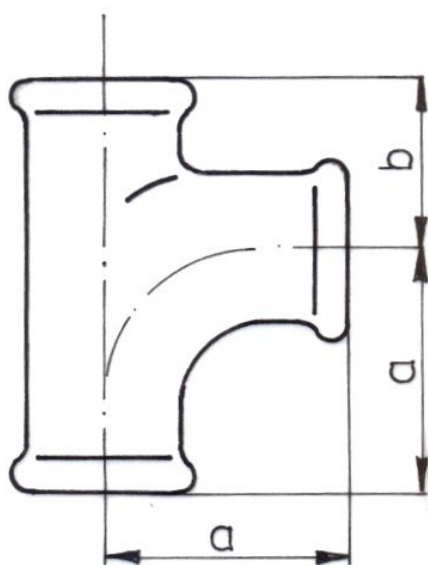
B1
130
25

dimension [inch] 1>2,3	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]		
	black	galv		a	b	c
1/2x3/8x3/8	4,8	4,9	50	26	26	25
3/4x3/8x1/2	4,0	4,1	30	28	28	26
3/4x1/2x1/2	4,5	4,6	30	30	31	28
1x1/2x1/2	5,8	5,9	30	32	34	28
1x1/2x3/4	6,4	6,6	30	32	34	30
1x3/4x1/2	5,2	5,4	25	35	36	31
1x3/4x3/4	9,2	9,5	40	35	36	33
1 1/4x1/2x1	9,1	9,3	30	34	38	32
1 1/4x3/4x3/4	9,6	9,9	30	36	41	33
1 1/4x3/4x1	10,5	10,7	30	36	41	35
1 1/4x1x1	10,8	11,0	25	40	42	38
1 1/2x1x1	8,3	9,0	20	42	46	38
1 1/2x1x1 1/4	9,8	9,9	20	42	46	40
1 1/2x1 1/4x1 1/4	9,1	9,5	15	46	48	45
2x1 1/2x1 1/2	7,6	7,9	10	52	55	50

E1



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PITCHER TEE, EQUAL

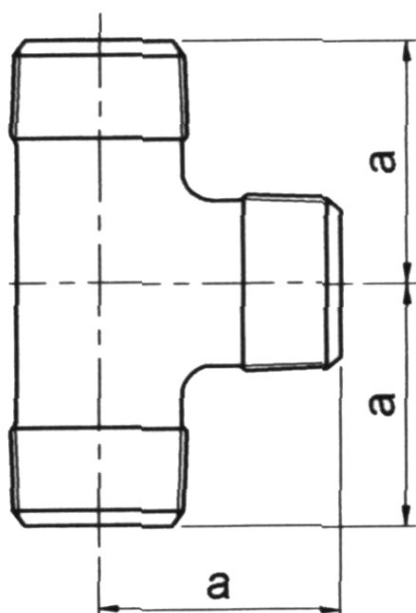
PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

E1
131
31

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/2	5,7	5,7	30	45	29
3/4	5,9	6,0	20	50	34
1	4,9	5,0	10	63	40
1 1/4	6,5	6,5	8	79	44
1 1/2	3,2	3,3	3	85	48
2	3,0	3,0	2	102	58



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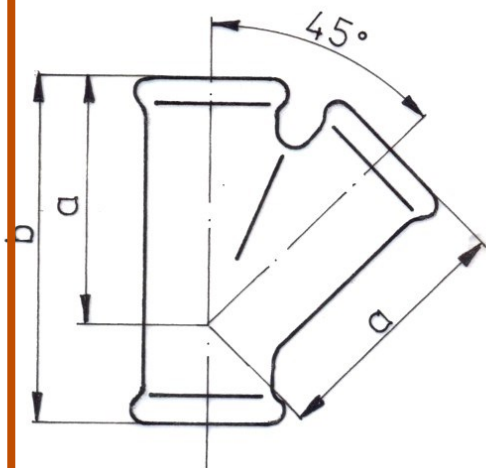
TEE, EQUAL

CATALOGUE INTERNATIONAL
CATALOGUE EE

135

135

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1	6,3	6,6	20	48

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TEE 45°, EQUAL

CATALOGUE INTERNATIONAL
CATALOGUE EE

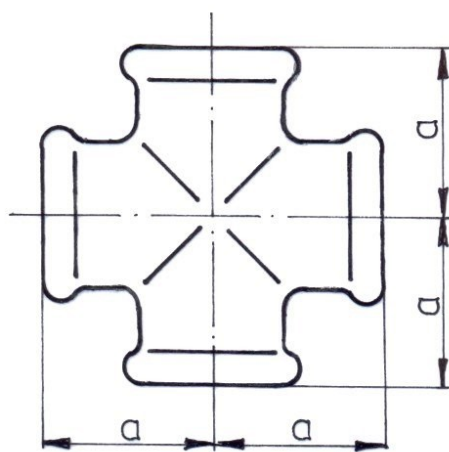
165
30

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
1/2	6,0	6,1	30	53	75
3/4	4,9	5,1	15	66	91
1	5,3	5,6	10	80	109
1 1/4	5,1	5,3	6	95	130
1 1/2	3,4	3,5	3	105	142
2	3,2	3,4	2	126	170

C1



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CROSS, EQUAL

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

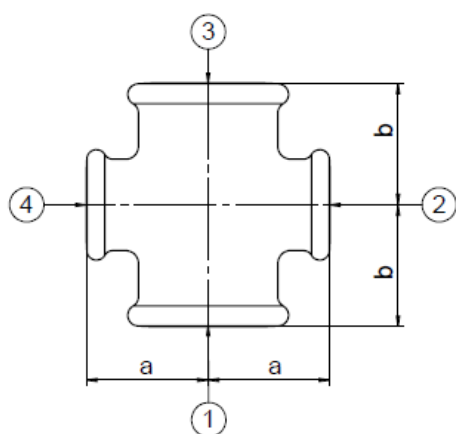
C1
180
34

dimension [cale]	weight of carton [kg]		quantity in carton [pc.]	Dimension a=b=c [mm]
	black	galv		
3/8	4,1	4,2	40	25
1/2	9,8	10,0	60	28
3/4	9,7	10,2	40	33
1	10,6	10,9	25	38
1 1/4	8,1	8,3	12	45
1 1/2	10,1	10,3	12	50
2	7,1	7,1	6	58
2 1/2	5,4	5,5	3	69
3	10,4	10,7	4	78
4	12,8	13,1	3	96

C1



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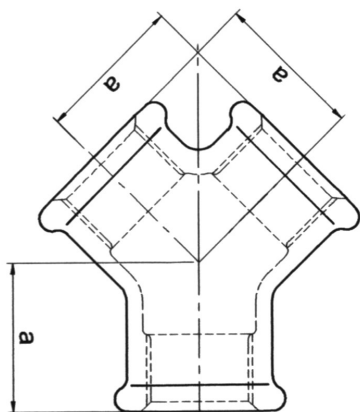
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CROSS, REDUCING

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

C1
180
34

dimension [cale] 1=3 2=4	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]		
	black	galv		a	b	c
3/4x1/2x3/4x1/2	4,3	4,4	20	30	31	31
1x1/2x1x1/2	4,1	4,2	15	32	34	34
1x3/4x1x3/4	4,5	4,7	15	35	36	36

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Y-PIECE

CATALOGUE INTERNATIONAL
CATALOGUE EE

220

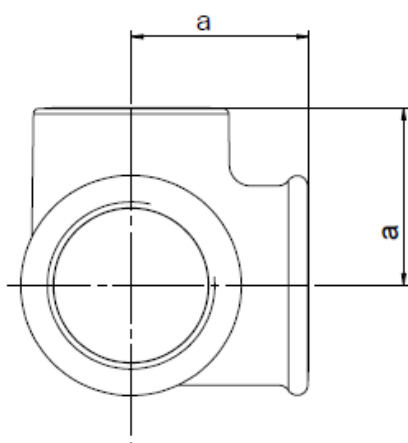
220

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	4,0	4,2	30	27
3/4	4,4	4,6	20	33
1	5,0	5,1	15	40

Za1



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SIDE OUTLET ELBOW

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

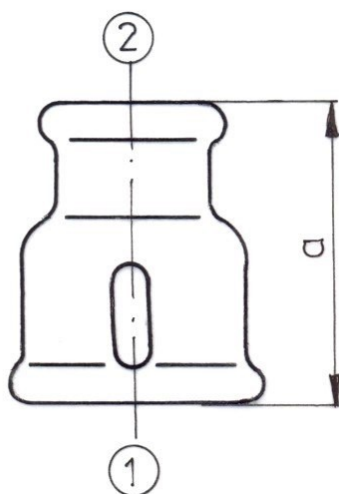
Za1
221
33

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	4,3	4,5	50	25
1/2	9,7	10,1	80	28
3/4	9,8	10,8	50	33
1	9,3	9,7	30	38
1 1/4	8,5	8,7	15	45
1 1/2	6,7	6,8	10	50
2	7,2	7,3	7	58

M2



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SOCKET, REDUCING

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

M2
240
3

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8x1/4	6,2	6,6	150	30
1/2x1/4	6,6	6,8	100	36
1/2x3/8	6,6	7,0	100	36
3/4x3/8	5,1	5,5	60	39
3/4x1/2	10,5	10,7	100	39
1x3/8	5,1	5,2	40	45
1x1/2	25,5	26,7	180	45
1x3/4	24,0	24,5	150	45
1 1/4x3/8	5,7	5,8	25	50
1 1/4x1/2	11,7	12,0	50	50
1 1/4x3/4	23,4	24,4	100	50
1 1/4x1	23,3	24,0	100	50
1 1/2x1/2	11,5	11,5	40	55
1 1/2x3/4	11,5	12,0	40	55
1 1/2x1	24,0	25,0	80	55
1 1/2x1 1/4	22,0	23,9	75	55
2x1/2	8,5	8,6	20	65
2x3/4	7,8	8,1	20	65
2x1	22,3	22,8	50	65
2x1 1/4	22,2	22,9	50	65
2x1 1/2	18,5	18,7	40	65
2 1/2x1	10,1	10,9	15	74
2 1/2x1 1/4	10,0	10,5	15	74
2 1/2x1 1/2	10,8	11,2	15	74
2 1/2x2	8,9	9,4	12	74
3x1 1/2	11,5	11,6	12	80
3x2	11,6	12,0	12	80
3x2 1/2	8,8	9,0	8	80
4x2	9,2	9,5	6	94
4x2 1/2	10,2	10,6	6	94
4x3	9,4	9,9	6	94

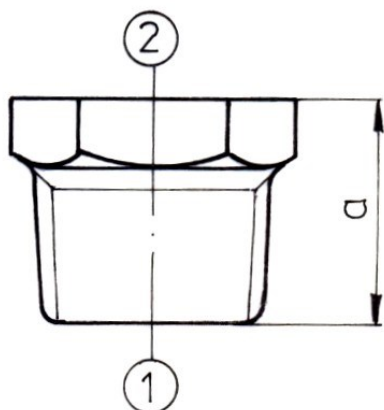
N4

2



1

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REDUCING BUSH

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

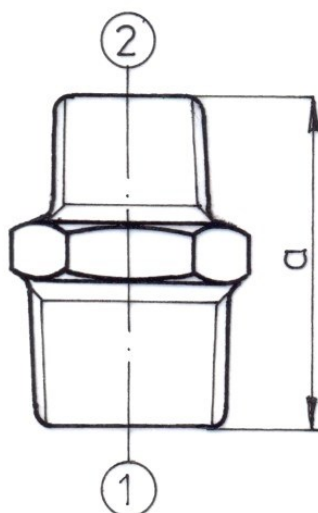
N4
241
45

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8x1/4	3,8	4,0	200	20
1/2x1/4	6,5	6,8	150	24
1/2x3/8	9,2	9,8	300	24
3/4x1/4	7,0	7,2	100	26
3/4x3/8	5,9	6,1	100	26
3/4x1/2	10,7	11,1	200	26
1x3/8	6,3	6,5	60	29
1x1/2	22,9	23,3	220	29
1x3/4	21,4	22,1	250	29
1 1/4x3/8	8,4	8,6	40	29
1 1/4x1/2	19,9	20,4	100	31
1 1/4x3/4	21,6	22,4	120	31
1 1/4x1	22,4	22,5	150	31
1 1/2x1/2	22,9	23,4	90	31
1 1/2x3/4	22,8	23,1	90	31
1 1/2x1	22,0	22,4	100	31
1 1/2x1 1/4	22,2	23,1	150	31
2x1/2	22,2	23,1	60	35
2x3/4	20,9	21,0	55	35
2x1	21,2	21,4	55	35
2x1 1/4	21,6	22,1	60	35
2x1 1/2	23,3	23,8	80	35
2 1/2x1	12,0	12,3	20	40
2 1/2x1 1/4	12,1	12,3	20	40
2 1/2x1 1/2	20,5	21,2	36	40
2 1/2x2	21,5	21,8	45	40
3x1	10,9	11,2	12	44
3x1 1/4	11,0	11,3	12	44
3x1 1/2	10,9	11,0	12	44
3x2	22,1	22,6	26	44
3x2 1/2	19,0	19,2	30	44
4x2	16,4	16,6	10	51
4x2 1/2	16,0	16,5	10	51
4x3	21,0	21,2	15	51

N8



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HEXAGON NIPPLE, REDUCING

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

N8
245
40

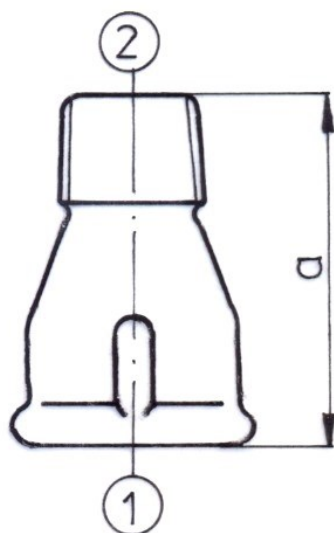
dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8x1/4	5,4	5,9	150	38
1/2x1/4	5,3	5,5	100	44
1/2x3/8	6,2	6,5	100	44
3/4x3/8	6,0	6,3	70	47
3/4x1/2	13,5	14,0	150	47
1x1/2	21,8	22,2	150	53
1x3/4	24,8	25,7	180	53
1 1/4x1/2	10,9	11,4	50	57
1 1/4x3/4	21,0	22,1	100	57
1 1/4x1	22,8	23,5	100	57
1 1/2x3/4	10,5	10,9	40	59
1 1/2x1	23,1	23,8	80	59
1 1/2x1 1/4	18,0	18,7	60	59
2x1	11,1	11,3	25	68
2x1 1/4	20,3	21,0	45	68
2x1 1/2	19,1	19,6	45	68
2 1/2x1 1/2	12,1	12,4	16	75
2 1/2x2	10,5	10,9	16	75
3x2	9,4	9,4	9	83
3x2 1/2	9,0	9,0	9	83

M4



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SOCKET, REDUCING

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

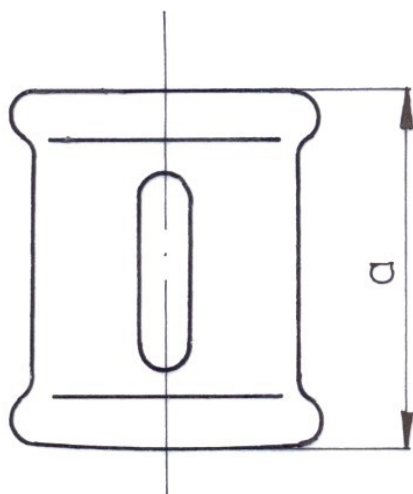
M4
246
246

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8x1/4	5,4	5,7	150	35
1/2x1/4	5,9	6,1	100	43
1/2x3/8	6,8	7,2	100	43
3/4x3/8	4,7	4,9	50	48
3/4x1/2	10,0	10,7	100	48
1x1/2	11,4	12,4	80	55
1x3/4	22,1	22,5	150	55
1 1/4x3/4	11,6	12,2	50	60
1 1/4x1	23,3	24,7	95	60
1 1/2x1	11,9	12,3	40	63
1 1/2x1 1/4	11,7	12,1	35	63
2x1 1/4	9,1	9,4	20	70
2x1 1/2	9,3	9,5	20	70

M2



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SOCKET, EQUAL

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

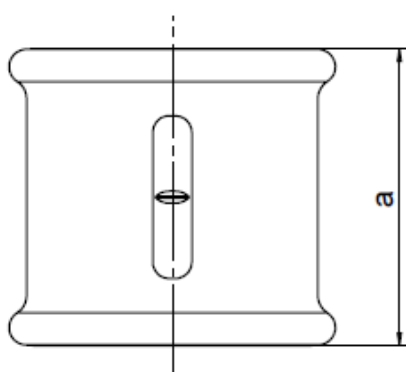
M2
270
2

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	5,7	6,0	150	27
3/8	4,8	5,0	100	30
1/2	13,6	14,1	180	36
3/4	21,8	22,4	200	39
1	24,6	25,2	150	45
1 1/4	21,0	21,3	80	50
1 1/2	20,2	20,7	70	55
2	13,8	12,8	30	65
2 1/2	14,7	15,1	20	74
3	10,6	10,8	10	80
4	17,4	18,1	10	94

M2 R-L



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SOCKET, RIGHT AND LEFT HAND THREAD

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

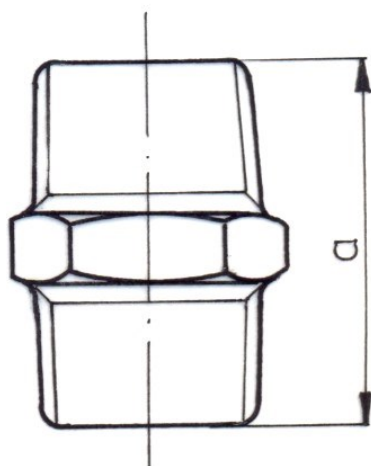
M2 R-L
271
1

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	4,2	4,3	100	30
1/2	5,6	5,7	80	36
3/4	5,4	5,6	50	39
1	6,1	6,4	40	45
1 1/4	5,3	5,4	20	50
1 1/2	3,8	4,0	12	55
2	3,7	3,7	8	65

N8



280/38



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HEXAGON NIPPLE

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

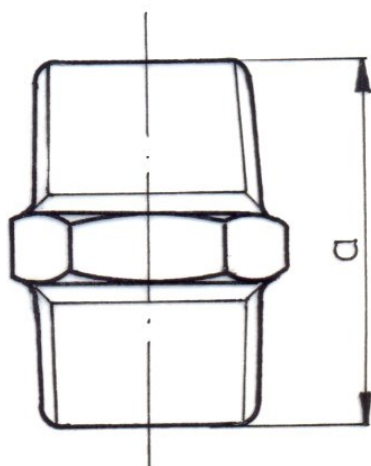
N8
280
38

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	6,0	6,2	200	36
3/8	6,6	6,8	150	38
1/2	11,8	12,5	160	44
3/4	12,8	13,3	140	47
1	22,1	23,4	130	53
1 1/4	22,9	23,8	80	57
1 1/2	21,5	22,7	75	59
2	20,6	20,8	40	68
2 1/2	20,1	20,6	25	75
3	23,2	23,9	20	83
4	15,4	15,7	8	95

N8 R-L



281/39



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HEXAGON NIPPLE,
RIGHT AND LEFT HAND THREAD

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

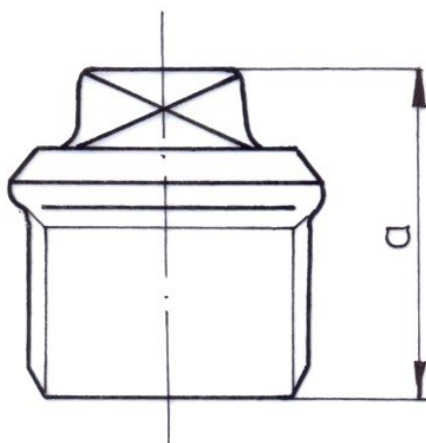
N8 R-L
281
39

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	6,6	7,4	150	38
1/2	7,2	7,5	100	44
3/4	6,6	6,8	70	47
1	7,0	7,3	40	53
1 1/4	5,6	5,9	20	57
1 1/2	6,2	6,5	20	59
2	4,4	4,6	8	68

T9



290/46



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PLUG, BEADED

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

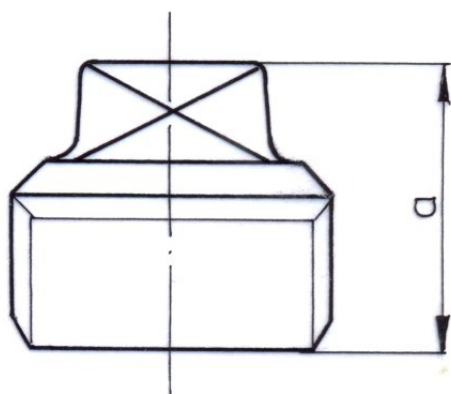
T9
290
46

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	7,1	8,3	300	22
3/8	8,7	8,9	250	24
1/2	19,0	19,4	350	26
3/4	15,5	16,1	200	32
1	18,6	19,4	150	36
1 1/4	19,5	19,7	100	39
1 1/2	17,7	18,1	80	41
2	23,5	24,2	55	48
2 1/2	21,8	22,5	30	54
3	17,3	17,6	20	60
4	19,4	20,1	10	70

T8



291/47



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PLUG, PLAIN

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

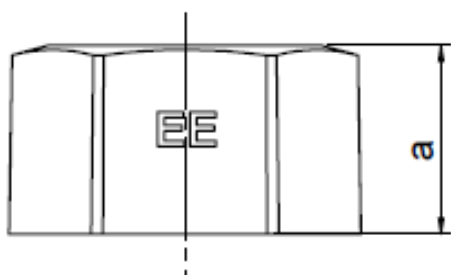
T8
291
47

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	3,2	3,8	300	14
3/8	4,4	4,9	250	15
1/2	5,2	5,6	200	18
3/4	7,5	7,7	150	22
1	7,4	7,7	100	23
1 1/4	10,4	10,8	80	29
1 1/2	7,8	8,1	50	30
2	8,3	8,4	30	36
2 1/2	6,8	7,0	15	39
3	6,7	6,8	10	44
4	4,9	5,1	4	58

T1



300/43



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CAP

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

T1
300
43

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	5,0	5,2	200	15,0
3/8	6,8	7,0	200	17,0
1/2	14,2	14,7	250	22,5
3/4	16,9	17,7	200	25,0
1	21,3	21,9	150	27,5
1 1/4	21,5	22,2	100	30,0
1 1/2	16,9	17,5	70	30,0
2	22,2	23,0	45	35,5
2 1/2	19,7	20,1	30	36,5
3	23,7	24,5	24	39,5
4	20,1	20,5	10	46,5

P4



310/44



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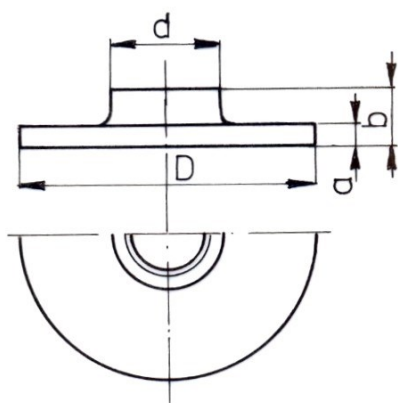
www.eeodlewnia.pl

BACKNUT

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

P4
310
44

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/4	3,8	4,1	300	6
3/8	5,7	5,9	250	7
1/2	6,2	6,4	200	8
3/4	5,3	5,6	150	9
1	9,9	10,4	150	10
1 1/4	9,9	10,3	100	11
1 1/2	11,5	12,0	100	12
2	9,9	10,1	50	13
2 1/2	6,7	6,9	15	16
3	4,9	5,2	10	19

**321/63**

Odlewnia Zawiercie S.A.
ul. Leśna 10
42-400 Zawiercie

www.eeodlewnia.pl

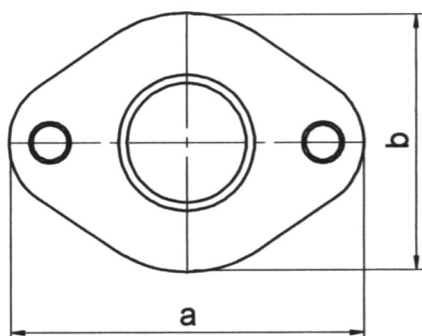
FLANGE

WORKING PRESSURE 0,1 MPa

CATALOGUE INTERNATIONAL
CATALOGUE EE

321
63

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]			
	black	galv		D	d	a	b
1/2	8,3	8,5	40	80,0	32,0	5,0	12,0
3/4	8,3	8,5	30	90,0	38,0	5,5	13,0
1	7,4	7,7	20	100,0	46,0	6,0	14,0
1 1/4	7,9	8,1	15	120,0	56,0	6,5	15,0
1 1/2	7,1	7,3	10	130,0	63,0	7,0	16,0
2	9,3	9,4	10	140,0	77,0	8,0	18,0

**326/326**

Odlewnia Zawiercie S.A.
ul. Leśna 10
42-400 Zawiercie

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FLANGE

WORKING PRESSURE 0,6 MPa

CATALOGUE INTERNATIONAL
CATALOGUE EE

326

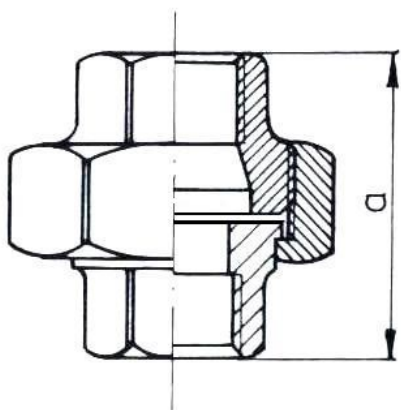
326

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]	
	black	galv		a	b
3/4	9,6	9,7	30	90	64
1	8,2	8,4	20	100	72
1 1/4	9,1	9,2	15	120	85
1 1/2	7,9	8,2	10	130	95

U1



330or/48or



Odlewnia Zawiercie S.A.
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42-400 Zawiercie

www.eeodlewnia.pl

UNION, FLAT SEAT

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

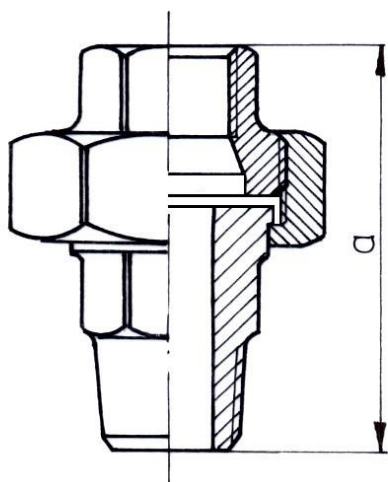
U1
330or
48or

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	7,7	8,0	60	45
1/2	18,5	19,1	80	48
3/4	16,9	17,6	60	52
1	22,2	23,0	65	58
1 1/4	22,6	23,2	35	65
1 1/2	18,7	19,1	25	70
2	21,4	21,9	20	78
2 1/2	19,0	19,5	10	85
3	21,4	22,0	8	95
4	19,3	19,7	4	110

U2



331or/59or



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UNION, FLAT SEAT

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

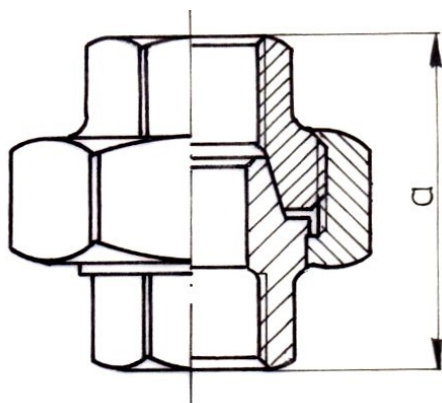
U2
331or
59or

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	7,2	7,5	50	58
1/2	10,7	11,1	40	66
3/4	10,0	10,3	30	72
1	23,4	24,1	55	80
1 1/4	23,4	24,1	30	90
1 1/2	22,8	23,4	25	95
2	18,7	19,3	15	106
2 1/2	21,1	21,8	10	118
3	20,5	21,1	6	130

U11



340/54



Odlewnia Zawiercie S.A.
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42-400 Zawiercie

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UNION, TAPER SEAT

PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

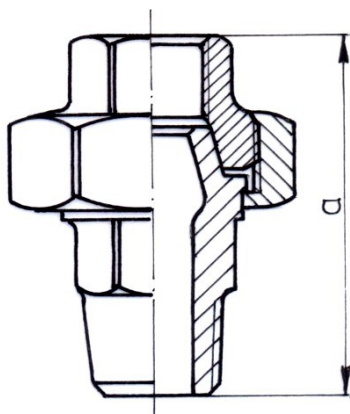
U11
340
54

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	8,2	8,4	60	45
1/2	19,3	19,8	80	48
3/4	17,5	18,0	60	52
1	21,2	22,0	60	58
1 1/4	23,5	24,1	35	65
1 1/2	19,7	20,4	25	70
2	23,6	24,2	20	78
2 1/2	19,7	20,0	10	85
3	23,0	23,7	8	95
4	20,8	21,0	4	110

U12



341/60



Odlewnia Zawiercie S.A.
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42-400 Zawiercie

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UNION, TAPER SEAT

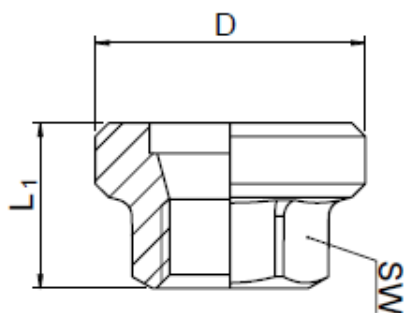
PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

U12
341
60

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	7,3	7,7	50	58
1/2	11,1	11,3	40	66
3/4	10,3	10,6	30	72
1	22,4	23,1	50	80
1 1/4	24,0	24,6	30	90
1 1/2	23,7	24,3	25	95
2	19,6	20,2	15	106
2 1/2	22,4	22,9	10	118
3	22,0	22,5	6	130
4	12,4	12,5	2	153



370/49



Odlewnia Zawiercie S.A.
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42-400 Zawiercie

www.eeodlewnia.pl

UNION BUSH, FLAT SEAT

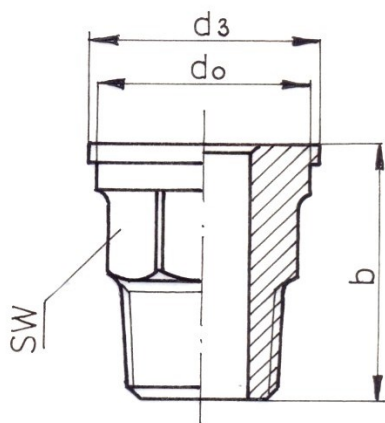
CATALOGUE INTERNATIONAL
CATALOGUE EE

370
49

dimension [cale]	weight of carton [kg]		quantity in carton [pc.]	dimension		
	black	galv		D (in)	L1 (mm)	SW (mm)
1/2	7,2	7,3	100	1 1/8	24,5	27
3/4	9,6	10,0	100	1 1/4	27,0	32
1	12,2	12,8	100	1 1/2	29,5	38
1 1/4	11,6	11,9	50	2	34,0	48
1 1/2	10,5	10,6	40	2 1/4	36,5	54
2	7,9	8,1	20	2 3/4	40,5	66
2 1/2	10,8	11,0	15	3 1/2	45,0	85
3	9,3	9,5	10	4	49,5	96



371or/50or



Odlewnia Zawiercie S.A.
ul. Leśna 10
42-400 Zawiercie

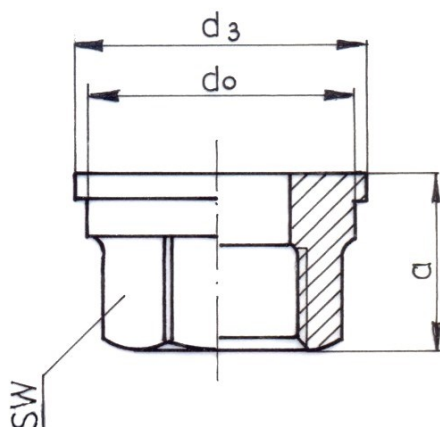
www.eeodlewnia.pl

UNION BUSH, FLAT SEAT

CATALOGUE INTERNATIONAL
CATALOGUE EE

371or
50or

dimension [cale]	thread G w 374/52	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]			
		black	galv		b	d ₀	d ₃	SW
1/2	G 1 1/8	9,2	9,6	100	38,5	32,0	34,7	24,0
3/4	G 1 1/4	9,6	10,0	80	43,0	36,0	38,7	29,0
1	G 1 1/2	11,2	11,4	60	49,0	41,5	44,6	36,0
1 1/4	G 2	12,1	12,5	40	55,0	53,0	56,4	45,0
1 1/2	G 2 1/2	10,1	10,4	25	58,0	59,0	62,5	53,0
2	G 2 3/4	8,1	8,3	15	64,0	74,0	78,3	66,0
2 1/2	G 3	6,9	7,1	8	71,0	92,5	97,1	85,0

**372or/51or**

Odlewnia Zawiercie S.A.
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42-400 Zawiercie

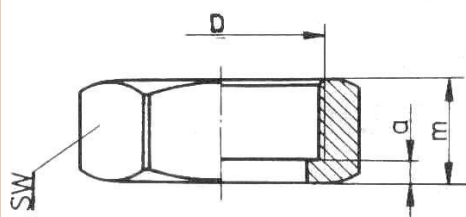
www.eeodlewnia.pl

UNION BUSH, FLAT SEAT, EQUAL

CATALOGUE INTERNATIONAL
CATALOGUE EE

372or
51or

dimension [cale]	thread G w 374/52	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]			
		black	galv		a	d ₀	d ₃	SW
1/2	G 1 1/8	15,0	16,0	250	20,5	32,0	34,7	27,0
3/4	G 1 1/4	19,2	20,5	250	22,0	36,0	38,7	32,0
1	G 1 1/2	20,0	20,4	200	26,0	41,5	44,6	38,0
1 1/4	G 2	16,5	16,9	100	28,0	53,0	56,4	48,0
1 1/2	G 2 1/4	9,3	9,5	40	30,5	59,0	62,5	54,0
2	G 2 3/4	7,2	7,4	20	34,5	74,0	78,3	66,0
2 1/2	G 3 1/2	9,2	9,6	15	37,0	92,5	97,1	85,0
3	G 4	7,1	7,2	10	42,5	105,0	109,6	96,0

**374/52**

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42-400 Zawiercie

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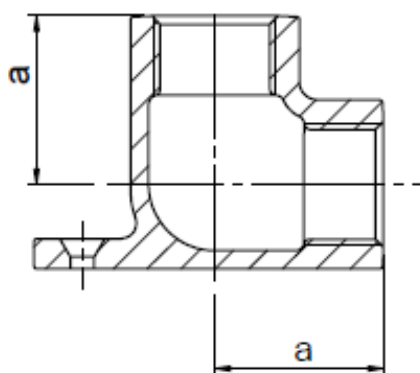
UNION NUT

CATALOGUE INTERNATIONAL
CATALOGUE EE

374
52

dimension [cale]	weight of carton [kg]		quantity in carton [pc.]	dimension [mm]			
	black	galv		D (in)	m(mm)	a(mm)	sw(mm)
3/8	7,4	7,7	150	7/8	17,0	3,5	36,0
1/2	19,9	20,5	200	1 1/8	19,0	4,0	46,0
3/4	16,2	16,7	150	1 1/4	20,0	4,0	50,0
1	24,2	25,0	200	1 1/2	22,0	5,5	55,0
1 1/4	25,3	26,0	100	2	24,0	5,5	70,0
1 1/2	10,5	10,8	40	2 1/4	25,0	5,5	75,0
2	8,3	8,4	24	2 3/4	27,0	6,5	90,0
2 1/2	10,5	10,7	18	3 1/2	30,0	6,5	110,0
3	8,8	9,2	8	4	36,0	10,5	130,0

BRACKET ELBOW

**471/471**

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CATALOGUE INTERNATIONAL
CATALOGUE EE

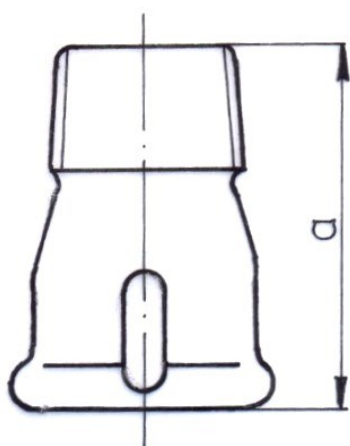
471
471

dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
1/2	5,6	5,7	30	28
3/4	5,6	5,8	20	33

M4



529a/529a



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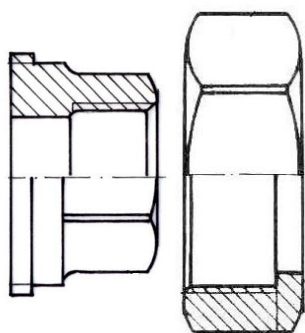
www.eeodlewnia.pl

SOCKET, WITH INTERNAL AND EXTERNAL THREAD

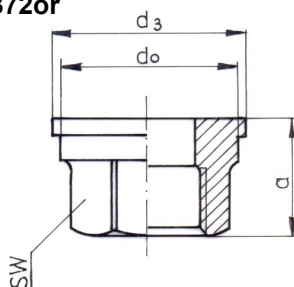
PN, EN, ISO
CATALOGUE INTERNATIONAL
CATALOGUE EE

M4
529a
529a

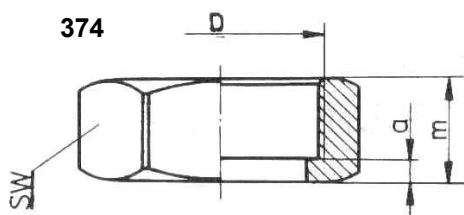
dimension [inch]	weight of carton [kg]		quantity in carton [pc.]	dimension a [mm]
	black	galv		
3/8	6,0	6,3	150	35
1/2	8,7	9,1	120	43
3/4	11,5	12,0	100	48
1	11,9	12,7	70	55
1 1/4	11,1	11,5	40	60



372or



374



623



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S.A.**
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PUMP SETS OF FITTINGS

CATALOGUE EE

623

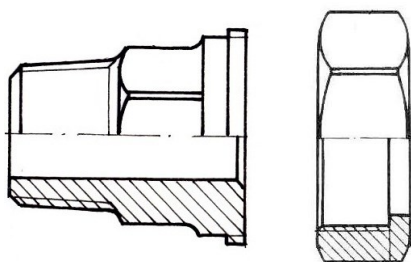
1 set consists of:

- 2 nuts, ref 374, threaded in accordance with PN-EN ISO 228/1
- 2 union ends, ref 371or, threaded accordance with PN-EN10226-1 (PN-ISO 7/1)
- 2 synthetic fibre gaskets, no asbestos, GAMBIT AF-153, thickness 2 mm
- max. working temperature, standard 155° – higher to be negotiated
- max. steam temperature, standard 130° – higher to be negotiated

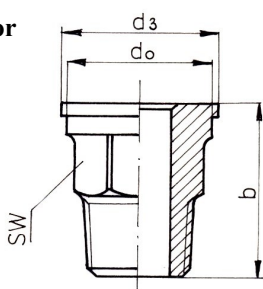
- ✦ sets are made in black (not galvanized), unless otherwise specified
- ✦ each set with gaskets is packed in a shrink foil plus a cardboard box and is labelled
- ✦ manufactured dimensions:

thread		dimension [inch]	weight of carton [kg]	quantity in carton [pc.]
372or/51or	374/52		black	
Rp 3/4	G 1 1/4	3/4x1 1/4	12,67	35
Rp 1	G 1 1/2	1 x 1 1/2	9,11	20
Rp 1 1/4	G 2	1 1/4 x 2	12,6	15

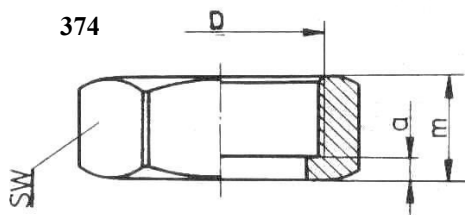




371or



374



624



Odlewnia Zawiercie
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www.eeodlewnia.pl

PUMP SETS OF FITTINGS

CATALOGUE EE

624

1 set consists of:

2 nuts, ref 52/374, threaded in accordance with PN- ISO 228/1

2 union ends, ref 50or/372or, threaded in accordance with PN-EN 10226-1 (PN-ISO 7/1)

2 syntethic fibre gaskets, no asbestos, GAMBIT AF-153, thickness 2mm

-max. working temperature, standard 155° – higher to be negotiated

-max. steam temperature, standard 130° – higher to be negotiated

- ✦ sets are made in black (not galvanized), unless otherwise specified
- ✦ each set with gaskets is packed in a shrink foil plus a cardboard box and is labelled.
- ✦ manufactured dimensions:

thread		dimension [inch]	weight of carton [kg]	quantity in carton [pc.]
371or/50or	374/52		black	
Rp 1	G 11/2	1 x 1 1/2	13	20

New solution for plumber!

