



5% surcharge  
as from  
01/06/2026

**PRICE LIST**

2025

# MALLEABLE CAST IRON PIPE FITTINGS

ATUSA manufactures EO brand white-heart malleable cast iron pipe fittings. A meticulous manufacturing process guarantees the best fused malleable products for the most demanding markets.

The amount of references brings about a rigorous manufacturing process resulting in a high quality product. Challenged in the market by other alternative materials, malleable cast iron pipe fittings is still a leading reference when looking for a reputable product and a proved category.

There are many areas of use, those which can be singled out are: Industry, Fire Protection Systems, Piping and all manners of fluid transportation with a working pressure less than 25 bar and temperatures between -20° C and 300° C.



The logo for ATUSA, featuring a stylized diamond shape to the left of the word "ATUSA" in a bold, sans-serif font.

ATUSA



**MALLEABLE  
CAST IRON**  
PIPE FITTINGS



## GENERAL INDICATIONS

### 1. STANDARD AND IDENTIFICATION

- Standard for production and use EN 10242: 1994.
- Identification: In accordance with the material selected for the production and the type of thread the EO fittings are identified as class "A", that is:
  - They are generally made of white heart malleable cast iron of high quality EN-GJMW 400 - 05.
  - The threads are cut according to ISO 7/1, i.e. parallel internal thread (Rp) and tapered external thread (R).

### 2. QUALITY ASSURANCE

The new UNE-EN 10242 standard requires that manufacturers establish and maintain a documented System of Quality Assurance in accordance with ISO 9001. This system has to be certified by an independent Organisation for Certification which observes the strict regulations of the EN ISO/IEC 17021, in order to guarantee that the fittings are in accordance with the requirements of the product standard EN 10242:1994. ATUSA fulfils these requirements and has established a System of Quality Assurance according to ISO 9001 as shown by the Certificate of Registration of the Firm AENOR/ER 076/2/95 and the certificate of the prestigious **IQNet** (The International Network for Quality System Assessment and Certification) in accordance to the criteria of the EN ISO/IEC.

### 3. GALVANIZATION

The EO fittings can be delivered as requested by the purchaser with black or galvanized finish. As prescribed by the standard EN 10242:1994, the mass of zinc coating shall be not less than 500 gr/m<sup>2</sup>, which corresponds to a medium layer thickness of 70 µm. Both types of finish are covered with an anti rust varnish. The surfaces of the EO fittings are free from polycyclic aromatic hydrocarbons.

### 4. LEAK TEST

Applying the standard EN 10242:1994 each individual EO fitting is subjected to a pressure test with a min. hydrostatic pressure of 20 bar, which is equivalent to a pneumatic pressure of min. 5 bar.

### 5. TERMS OF DELIVERY

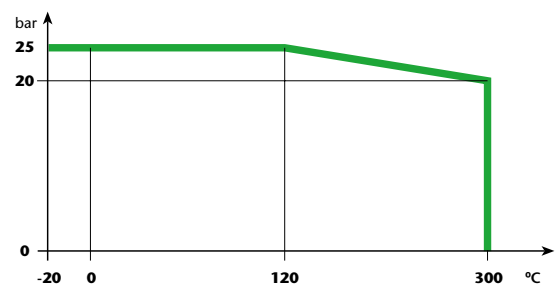
Technical aspects, design and other characteristics of the fittings are subject to possible modifications due to technical improvements or changes of standardization.

## NOMINAL DIAMETER AND CONNECTING MEASURES

DN	6	8	10	15	20	25	32	40	50	65	80	100	125	150
"	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6

## PRESSURE / TEMPERATURE RATINGS

Service temperature (°C)	Maximum permissible working pressure (*) (bar)
-20 to 120	25
between 120 and 300	interpolated values
300	20



(\*) For higher uses, please consult our Technical Department.





## 1 LONG SWEEP BEND M/F

ISO/EN **G4**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	200 10	01001000	8,05	01005000	9,95
1/4"	250 10	01001001	6,75	01005001	8,25
3/8"	170 10	01001002	8,05	01005002	10,10
1/2"	110 10	01001003	7,00	01005003	8,80
3/4"	60 10	01001004	12,15	01005004	15,25
1"	35 1	01001005	16,40	01005005	20,80
1 1/4"	17 1	01001006	28,90	01005006	35,80
1 1/2"	12 1	01001007	37,20	01005007	47,35
2"	6 1	01001008	61,60	01005008	76,35
2 1/2"	3 1	01001009	134,25	01005009	171,65
3"	4 1	0100100A	173,85	0100500A	220,20
4"	2 1	0100100C	315,45	0100500C	399,65



## 1A SHORT BEND M/F

ISO/EN **D4**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	250 10	01A01001*	6,60	01A05001*	8,10
3/8"	130 10	01A01002	7,55	01A05002	9,40
1/2"	100 10	01A01003	6,60	01A05003	8,25
3/4"	60 10	01A01004	10,30	01A05004	12,65
1"	40 1	01A01005	13,70	01A05005	17,00
1 1/4"	20 1	01A01006	20,00	01A05006	25,65
1 1/2"	15 1	01A01007	29,20	01A05007	36,90
2"	8 1	01A01008	52,15	01A05008	64,55
2 1/2"	3 1	01A01009*	86,05	01A05009	108,65
3"	4 1	01A0100A	130,60	01A0500A	165,15
4"	2 1	01A0100C*	306,10	01A0500C	387,50



## 2 LONG SWEEP BEND F/F

ISO/EN **G1**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	200 10	02001001	7,30	02005001	8,80
3/8"	140 10	02001002	7,75	02005002	10,10
1/2"	90 10	02001003	8,00	02005003	9,90
3/4"	50 10	02001004	12,50	02005004	15,30
1"	28 1	02001005	16,40	02005005	20,80
1 1/4"	14 1	02001006	29,00	02005006	35,95
1 1/2"	10 1	02001007	35,75	02005007	44,20
2"	5 1	02001008	49,25	02005008	61,35
2 1/2"	2 1	02001009	136,50	02005009	172,60
3"	4 1	0200100A	171,45	0200500A	216,95
4"	2 1	0200100C	324,80	0200500C	411,30



## 2A SHORT BEND F/F

ISO/EN **D1**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	50 10	02A01002*	6,75	02A05002*	8,10
1/2"	90 10	02A01003	6,25	02A05003	7,95
3/4"	50 10	02A01004	8,45	02A05004	10,90
1"	35 1	02A01005	13,15	02A05005	16,90
1 1/4"	20 1	02A01006	19,60	02A05006	25,25
1 1/2"	14 1	02A01007	26,80	02A05007	34,00
2"	8 1	02A01008	42,10	02A05008	54,50
2 1/2"	4 1	02A01009*	79,05	02A05009	99,70
3"	4 1	02A0100A*	136,30	02A0500A	172,50
4"	2 1	02A0100C*	287,50	02A0500C	364,15



## 3 LONG SWEEP BEND M/M

ISO/EN **G8**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	300 10	03001001	11,60	03005001	14,25
3/8"	200 10	03001002	10,65	03005002	13,05
1/2"	120 10	03001003	12,55	03005003	15,65
3/4"	70 10	03001004	13,95	03005004	17,55
1"	40 1	03001005	20,20	03005005	25,15
1 1/4"	20 1	03001006	37,90	03005006	48,10
1 1/2"	14 1	03001007	54,00	03005007	68,10
2"	7 1	03001008	72,65	03005008	91,90
2 1/2"	3 1	03001009	179,70	03005009	236,85
3"	5 1	0300100A	202,60	0300500A	248,05



## 40 LONG SWEEP BEND M/F 45°

ISO/EN **G4/45°**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	300 10	04001001	10,00	04005001	12,20
3/8"	200 10	04001002	9,00	04005002	11,10
1/2"	120 10	04001003	8,00	04005003	9,90
3/4"	80 10	04001004	10,80	04005004	13,40
1"	50 1	04001005	15,25	04005005	18,80
1 1/4"	25 1	04001006	26,30	04005006	32,75
1 1/2"	18 1	04001007	31,60	04005007	38,95
2"	10 1	04001008	49,70	04005008	61,75
2 1/2"	6 1	04001009	111,60	04005009	141,20
3"	3 1	0400100A	121,55	0400500A	154,10
4"	4 1	0400100C	274,50	0400500C	347,40



## 41 LONG SWEEP BEND F/F 45°

ISO/EN G1/45°

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	220 10	04101001	10,75	04105001	15,40
3/8"	150 10	04101002	10,35	04105002	12,80
1/2"	100 10	04101003	9,70	04105003	11,85
3/4"	60 10	04101004	11,95	04105004	15,00
1"	40 1	04101005	15,50	04105005	19,15
1 1/4"	22 1	04101006	27,35	04105006	34,35
1 1/2"	15 1	04101007	35,80	04105007	45,35
2"	9 1	04101008	50,65	04105008	63,65
2 1/2"	4 1	04101009	102,50	04105009	129,45
3"	2 1	0410100A	130,45	0410500A	165,05
4"	2 1	0410100C	289,10	0410500C	366,95



## 90 ELBOW F/F 90°

ISO/EN A1

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	09001000	5,45	09005000	6,60
1/4"	350 10	09001001	4,50	09005001	5,30
3/8"	250 10	09001002	3,55	09005002	4,60
1/2"	120 10	09001003	2,30	09005003	3,10
3/4"	90 10	09001004	3,70	09005004	4,90
1"	50 10	09001005	5,70	09005005	7,20
1 1/4"	30 1	09001006	11,20	09005006	13,85
1 1/2"	22 1	09001007	18,00	09005007	22,20
2"	12 1	09001008	20,80	09005008	26,25
2 1/2"	7 1	09001009	60,75	09005009	76,80
3"	4 1	0900100A	84,60	0900500A	105,30
4"	2 1	0900100C	149,05	0900500C	188,50
5"	2 1			0900500D	1.054,30
6"	1			0900500E	1.733,05



## 92 ELBOW M/F 90°

ISO/EN A4

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	500 10	09201000	6,25	09205000	7,95
1/4"	350 10	09201001	4,65	09205001	5,80
3/8"	250 10	09201002	4,35	09205002	5,15
1/2"	150 10	09201003	3,00	09205003	3,55
3/4"	90 10	09201004	4,60	09205004	5,60
1"	50 10	09201005	7,30	09205005	9,40
1 1/4"	30 1	09201006	13,30	09205006	16,15
1 1/2"	22 1	09201007	19,45	09205007	24,25
2"	12 1	09201008	25,30	09205008	31,85
2 1/2"	7 1	09201009	63,80	09205009	79,25
3"	4 1	0920100A	83,80	0920500A	104,35
4"	2 1	0920100C	140,80	0920500C	178,20



## 60 RETURN BEND

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	90 1	06001003*	25,60	06005003*	32,25
3/4"	90 1	06001004*	39,15	06005004*	49,30
1"	20 1	06001005*	49,65	06005005*	62,65
1 1/4"	15 1	06001006*	68,45	06005006*	86,30
1 1/2"	10 1	06001007*	80,95	06005007*	102,10
2"	6 1			06005008*	155,90



## 85 CROSSOVER

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	100 10	08501002	13,80	08505002	17,35
1/2"	60 10	08501003	10,10	08505003	12,70
3/4"	30 10	08501004	15,50	08505004	19,15
1"	20 1	08501005	31,55	08505005	40,95
1 1/4"	10 1	08501006	59,20	08505006	74,65



## 90R REDUCING ELBOW F/F 90°

ISO/EN A1

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"-1/4"	120 10	09001021	6,70	09005021	8,10
1/2"-1/4"	120 10	09001031*	8,35	09005031*	10,30
1/2"-3/8"	120 10	09001032	4,90	09005032	6,10
3/4"-3/8"	90 10	09001042	7,95	09005042	10,00
3/4"-1/2"	90 10	09001043	5,70	09005043	6,60
1"-1/2"	50 10	09001053	7,55	09005053	9,70
1"-3/4"	50 10	09001054	8,30	09005054	10,20
1 1/4"-1/2"	50 10	09001063	13,05	09005063	15,80
1 1/4"-3/4"	50 10	09001064	16,80	09005064	20,80
1 1/4"-1"	40 1	09001065	13,30	09005065	16,50
1 1/2"-3/4"	30 1	09001074	21,10	09005074	26,10
1 1/2"-1"	35 1	09001075	19,60	09005075	24,90
1 1/2"-1 1/4"	25 1	09001076	21,25	09005076	26,30
2"-1"	15 1	09001085	34,50	09005085	41,60
2"-1 1/4"	15 1	09001086	36,90	09005086	46,45
2"-1 1/2"	15 1	09001087	34,00	09005087	42,35
2 1/2"-2"	8 1			09005098	102,45



## 92R REDUCING ELBOW M/F 90°

ISO/EN A4

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2" x 3/8"	150 10	09201032*	10,75	09205032	12,90
3/4" x 1/2"	90 10	09201043	12,05	09205043	15,15
1" x 3/4"	60 10	09201054	15,50	09205054	19,15
1 1/4" x 1"	30 1	09201065*	22,90	09205065	28,45
1 1/2" x 1"	20 1	09201075	45,50	09205075	57,25
1 1/2" x 1 1/4"	20 1	09201076*	34,60	09205076	42,00
3/8" x 1/2"	150 10	09201023*	7,75	09205023*	9,40
1/2" x 3/4"	90 10	09201034*	15,15	09205034*	19,35
3/4" x 1"	60 10	09201045*	21,70	09205045*	27,00
1" x 1 1/4"	30 1	09201056*	33,50	09205056*	42,65



## 94 ELBOW M/M 90°

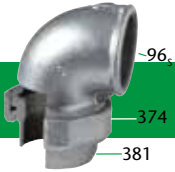
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	200 10	09401002	10,30	09405002	12,70
1/2"	150 10	09401003	10,60	09405003	13,40
3/4"	90 10	09401004	12,05	09405004	15,45
1"	60 10	09401005	18,60	09405005	22,95
1 1/4"	20 1	09401006	27,00	09405006	32,85
1 1/2"	25 1	09401007	47,65	09405007	60,05
2"	10 1	09401008	49,15	09405008	62,05



## 95 UNION ELBOW, FLAT SEAT

ISO/EN UA1

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	70 10	09501002*	22,40	09505002*	27,95
1/2"	50 10	09501003	17,00	09505003	21,15
3/4"	40 10	09501004	18,70	09505004	23,15
1"	28 1	09501005	23,05	09505005	28,90
1 1/4"	14 1	09501006	39,95	09505006	50,20
1 1/2"	10 1	09501007	55,60	09505007	70,25
2"	6 1	09501008	83,15	09505008	104,70



## 96 UNION ELBOW, TAPER SEAT

ISO/EN UA11

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	120 10	09601001*	25,25	09605001	30,45
3/8"	80 10	09601002	23,05	09605002	28,80
1/2"	50 10	09601003	16,90	09605003	21,35
3/4"	40 10	09601004	19,55	09605004	24,70
1"	28 1	09601005	28,20	09605005	35,40
1 1/4"	14 1	09601006	47,50	09605006	59,00
1 1/2"	10 1	09601007	55,60	09605007	70,25
2"	6 1	09601008	93,70	09605008	118,50
2 1/2"	4 1	09601009	206,65	09605009	261,60
3"	2 1	0960100A	268,00	0960500A	339,70



## 97 UNION ELBOW, FLAT SEAT

ISO/EN UA2

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	70 10	09701002*	22,40	09705002*	27,95
1/2"	50 10	09701003	17,20	09705003	21,70
3/4"	30 10	09701004	20,75	09705004	26,10
1"	23 1	09701005	26,10	09705005	33,15
1 1/4"	12 1	09701006	44,65	09705006	57,65
1 1/2"	10 1	09701007	60,55	09705007	76,50
2"	6 1	09701008	88,05	09705008	111,45



## 98 UNION ELBOW, TAPER SEAT

ISO/EN UA12

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	120 10	09801001	23,50	09805001	29,00
3/8"	80 10	09801002	20,75	09805002	25,55
1/2"	50 10	09801003	17,00	09805003	21,40
3/4"	30 10	09801004	21,70	09805004	27,15
1"	23 1	09801005	29,65	09805005	37,20
1 1/4"	12 1	09801006	49,15	09805006	62,35
1 1/2"	10 1	09801007	61,50	09805007	76,35
2"	6 1	09801008	99,85	09805008	126,20
2 1/2"	3 1	09801009	228,30	09805009	288,75
3"	2 1	0980100A	305,40	0980500A	387,00



## 120 ELBOW F/F 45°

ISO/EN A1/45°

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	150 10	12001002	10,05	12005002	12,45
1/2"	150 10	12001003	8,20	12005003	10,45
3/4"	90 10	12001004	10,10	12005004	12,90
1"	60 10	12001005	14,95	12005005	18,70
1 1/4"	30 1	12001006	26,75	12005006	34,00
1 1/2"	25 1	12001007	33,05	12005007	41,55
2"	10 1	12001008	42,85	12005008	54,25
2 1/2"	8 1	12001009	88,50	12005009	111,90
3"	5 1	1200100A	89,85	1200500A	113,70



## 121 ELBOW M/F 45°

ISO/EN A4/45°

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	200 10	12101002	8,05	12105002	9,70
1/2"	150 10	12101003	7,55	12105003	9,60
3/4"	100 10	12101004	9,80	12105004	12,15
1"	50 10	12101005	14,95	12105005	18,70
1 1/4"	30 1	12101006	27,60	12105006	35,05
1 1/2"	25 1	12101007	30,90	12105007	37,70
2"	12 1	12101008	39,15	12105008	49,20
2 1/2"	8 1	12101009	75,90	12105009	96,20
3"	5 1	1210100A	93,45	1210500A	118,20



## 130 TEE

ISO/EN B1

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	200 10	13001000	6,90	13005000	8,45
1/4"	220 10	13001001	5,95	13005001	7,50
3/8"	120 10	13001002	5,25	13005002	6,40
1/2"	70 10	13001003	3,35	13005003	4,15
3/4"	60 10	13001004	5,75	13005004	7,20
1"	30 10	13001005	8,35	13005005	10,60
1 1/4"	20 1	13001006	15,20	13005006	18,70
1 1/2"	14 1	13001007	23,30	13005007	29,10
2"	10 1	13001008	33,50	13005008	40,90
2 1/2"	5 1	13001009	75,35	13005009	93,70
3"	4 1	1300100A	100,80	1300500A	125,20
4"	2 1	1300100C	193,80	1300500C	245,20
5"	2 1			1300500D	1.554,85
6"	1			1300500E	2.264,95



# 130R 90° REDUCING TEE

ISO/EN B1

Ø	130R	BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"-1/4"-3/8"	150 10	13001212*	10,95	13005212*	13,80
3/8"-1/2"-3/8"	120 10	13001232	8,35	13005232	10,30
3/8"-3/4"-3/8"	90 10	13001242	13,00	13005242	17,95
1/2"-1/4"-1/2"	110 10	13001313	8,60	13005313	10,65
1/2"-3/8"-3/8"	110 10	13001322	8,05	13005322	10,00
1/2"-3/8"-1/2"	110 10	13001323	7,10	13005323	8,55
1/2"-1/2"-3/8"	110 10	13001332	7,75	13005332	10,00
1/2"-3/4"-3/8"	70 10	13001342	14,75	13005342	20,60
1/2"-3/4"-1/2"	70 10	13001343	7,55	13005343	9,45
1/2"-1"-1/2"	60 10	13001353	16,90	13005353	21,40
3/4"-1/4"-3/4"	70 10	13001414*	11,85	13005414	14,25
3/4"-3/8"-1/2"	70 10	13001423	8,75	13005423	11,05
3/4"-3/8"-3/4"	70 10	13001424	8,45	13005424	10,40
3/4"-1/2"-3/8"	70 10	13001432*	14,55	13005432*	17,95
3/4"-1/2"-1/2"	70 10	13001433	6,95	13005433	8,55
3/4"-1/2"-3/4"	60 10	13001434	6,15	13005434	7,75
3/4"-3/4"-3/8"	60 10	13001442	12,05	13005442	15,15
3/4"-3/4"-1/2"	60 10	13001443	8,05	13005443	10,15
3/4"-1"-1/2"	50 10	13001453	15,75	13005453	19,80
3/4"-1"-3/4"	40 10	13001454	13,50	13005454	16,45
3/4"-1 1/4"-3/4"	35 1	13001464	27,05	13005464	36,60
1"-1/4"-1"	40 10	13001515	21,35	13005515	26,95
1"-3/8"-3/4"	50 10	13001524	20,60	13005524	29,75
1"-3/8"-1"	50 10	13001525	14,10	13005525	17,85
1"-1/2"-1/2"	50 10	13001533	14,55	13005533	17,95
1"-1/2"-3/4"	50 10	13001534	10,20	13005534	12,80
1"-1/2"-1"	40 10	13001535	8,10	13005535	10,05
1"-3/4"-1/2"	40 10	13001543	13,15	13005543	16,30
1"-3/4"-3/4"	40 10	13001544	10,35	13005544	13,00
1"-3/4"-1"	40 10	13001545	8,85	13005545	10,85
1"-1"-3/8"	40 10	13001552	17,55	13005552	22,55
1"-1"-1/2"	40 10	13001553	10,60	13005553	13,25
1"-1"-3/4"	30 10	13001554	11,60	13005554	14,60
1"-1 1/4"-3/4"	30 1	13001564*	24,50	13005564*	30,55
1"-1 1/4"-1"	30 1	13001565	20,55	13005565	25,95
1"-1 1/2"-1"	22 1	13001575	25,60	13005575	32,45
1 1/4"-3/8"-1 1/4"	30 1	13001626	19,85	13005626	24,85
1 1/4"-1/2"-1"	35 1	13001635	16,30	13005635	20,20
1 1/4"-1/2"-1 1/4"	30 1	13001636	13,35	13005636	16,80
1 1/4"-3/4"-3/4"	35 1	13001644	20,85	13005644	26,05
1 1/4"-3/4"-1"	32 1	13001645	19,00	13005645	23,60
1 1/4"-3/4"-1 1/4"	30 1	13001646	14,55	13005646	17,80
1 1/4"-1"-3/8"	30 1	13001652	30,25	13005652	43,35
1 1/4"-1"-1/2"	32 1	13001653	21,25	13005653	27,75
1 1/4"-1"-3/4"	30 1	13001654	21,90	13005654	27,40
1 1/4"-1"-1"	28 1	13001655	18,05	13005655	22,35
1 1/4"-1"-1 1/4"	25 1	13001656	16,00	13005656	19,90
1 1/4"-1 1/4"-1/2"	30 1	13001663	21,40	13005663	26,75
1 1/4"-1 1/4"-3/4"	25 1	13001664	24,90	13005664	31,05
1 1/4"-1 1/4"-1"	25 1	13001665	20,55	13005665	26,10
1 1/4"-1 1/2"-1"	20 1	13001675	32,00	13005675	40,45
1 1/4"-1 1/2"-1 1/4"	18 1	13001676	32,25	13005676	40,70
1 1/4"-2"-1 1/4"	10 1	13001686	38,80	13005686	48,80
1 1/2"-3/8"-1 1/2"	28 1	13001727	26,75	13005727	33,95
1 1/2"-1/2"-1 1/4"	28 1	13001736	21,40	13005736	27,00
1 1/2"-1/2"-1 1/2"	25 1	13001737	18,05	13005737	22,65
1 1/2"-3/4"-1 1/4"	25 1	13001746	27,15	13005746	34,60

Ø	130R	BLACK		GALVANIZED	
		CODE	€	CODE	€
1 1/2"-3/4"-1 1/2"	22 1	13001747	19,45	13005747	24,50
1 1/2"-1"-1"	25 1	13001755	25,05	13005755	31,35
1 1/2"-1"-1 1/4"	22 1	13001756	23,85	13005756	30,00
1 1/2"-1"-1 1/2"	20 1	13001757	21,15	13005757	26,50
1 1/2"-1 1/4"-1"	15 1	13001765	33,05	13005765	41,60
1 1/2"-1 1/4"-1 1/4"	18 1	13001766	30,00	13005766	38,25
1 1/2"-1 1/4"-1 1/2"	17 1	13001767	28,45	13005767	35,95
1 1/2"-1 1/2"-1 1/2"	17 1	13001773	30,50	13005773	39,20
1 1/2"-1 1/2"-3/4"	17 1	13001774	33,95	13005774	42,80
1 1/2"-1 1/2"-1"	17 1	13001775	33,55	13005775	42,25
1 1/2"-1 1/2"-1 1/4"	15 1	13001776	35,85	13005776	44,95
1 1/2"-2"-1 1/4"	10 1	13001786*	41,80	13005786	52,65
1 1/2"-2"-1 1/2"	10 1	13001787	40,45	13005787	50,95
2"-1/2"-1 1/2"	18 1	13001837	33,50	13005837	42,25
2"-1/2"-2"	15 1	13001838	26,35	13005838	33,45
2"-3/4"-1 1/2"	16 1	13001847	37,30	13005847	47,30
2"-3/4"-2"	15 1	13001848	34,30	13005848	43,40
2"-1"-1 1/2"	15 1	13001857	37,90	13005857	47,65
2"-1"-2"	12 1	13001858	27,05	13005858	33,70
2"-1 1/4"-1"	12 1	13001865	54,15	13005865	66,45
2"-1 1/4"-1 1/4"	12 1	13001866	41,05	13005866	51,80
2"-1 1/4"-1 1/2"	12 1	13001867	38,80	13005867	48,70
2"-1 1/4"-2"	12 1	13001868	34,30	13005868	43,40
2"-1 1/2"-1"	12 1	13001875	47,50	13005875	56,70
2"-1 1/2"-1 1/2"	10 1	13001877	41,60	13005877	52,35
2"-1 1/2"-2"	10 1	13001878	40,20	13005878	50,00
2"-2"-1/2"	10 1	13001883	65,85	13005883	82,80
2"-2"-3/4"	10 1	13001884	43,20	13005884	53,10
2"-2"-1"	10 1	13001885	41,70	13005885	52,60
2"-2"-1 1/4"	10 1	13001886	52,65	13005886	66,65
2"-2"-1 1/2"	10 1	13001887	44,25	13005887	55,95
2"-2 1/2"-2"	6 1	13001898	79,70	13005898	100,85
2 1/2"-1/2"-2 1/2"	8 1	13001939	98,15	13005939	124,25
2 1/2"-3/4"-2 1/2"	8 1	13001949	59,45	13005949	73,95
2 1/2"-1"-2 1/2"	8 1	13001959	56,00	13005959	70,85
2 1/2"-1 1/4"-2 1/2"	8 1	13001969	76,75	13005969	97,25
2 1/2"-1 1/2"-2 1/2"	8 1	13001979	67,00	13005979	84,70
2 1/2"-2"-2"	6 1	13001988	93,75	13005988	118,65
2 1/2"-2"-2 1/2"	6 1	13001989	73,15	13005989	92,45
2 1/2"-2 1/2"-1 1/2"	6 1			13005997*	179,00
2 1/2"-2 1/2"-2	6 1			13005998*	144,95
3"-1/2"-3"	5 1			13005A3A	113,70
3"-3/4"-3"	6 1			13005A4A	118,80
3"-1"-3"	5 1	13001A5A	96,20	13005A5A	116,10
3"-1 1/4"-3"	4 1	13001A6A	110,60	13005A6A	133,55
3"-1 1/2"-3"	4 1	13001A7A	107,65	13005A7A	129,90
3"-2"-2"	4 1			13005A88	145,35
3"-2"-3"	4 1	13001A8A	100,00	13005A8A	120,75
3"-2 1/2"-3"	3 1	13001A9A	112,70	13005A9A	142,85
3"-3"-2"	2 1			13005AA8*	176,05
4"-3/4"-4"	2 1	13001C4C	251,85	13005C4C	347,35
4"-1"-4"	2 1	13001C5C	228,05	13005C5C	283,50
4"-1 1/2"-4"	2 1	13001C7C	154,00	13005C7C	191,15
4"-2"-4"	2 1	13001C8C	176,00	13005C8C	212,65
4"-2 1/2"-4"	2 1	13001C9C	226,65	13005C9C	271,60
4"-3"-4"	2 1	13001CAC	169,65	13005CAC	226,05
5"-4"-5"	2 1			13005DCD	933,20



## 131 90° PITCHER TEE

ISO/EN E1

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	50 10	13101003*	13,70	13105003*	17,40
3/4"	40 10	13101004*	17,30	13105004*	22,00
1"	20 10	13101005	25,25	13105005	32,25
1 1/4"	14 1	13101006*	35,10	13105006*	44,95
1 1/2"	8 1	13101007*	52,15	13105007*	65,70
2"	4 1	13101008*	73,80	13105008	91,95
2 1/2"	2 1	13101009*	148,00	13105009*	187,25
3"	2 1	1310100A*	176,80	1310500A*	224,05
4"	2 1	1310100C*	335,35	1310500C*	425,05



## 132 TWIN ELBOW

ISO/EN E2

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	40 1	13201003*	18,85	13205003*	23,50
3/4"	25 1	13201004*	20,50	13205004*	25,95
1"	15 1	13201005*	32,80	13205005*	41,30
1 1/4"	10 1	13201006*	56,35	13205006*	71,15
1 1/2"	8 1	13201007*	71,15	13205007*	89,80
2"	3 1	13201008*	90,80	13205008*	114,70



## 133 TEE

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	150 10	13301002*	12,90	13305002	15,80
1/2"	80 10	13301003*	10,65	13305003	12,65
3/4"	50 10	13301004	15,80	13305004	19,15
1"	15 1	13301005	25,95	13305005	32,25



## 134 TEE

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	80 10	13401003	11,60	13405003	14,55
3/4"	50 10	13401004	16,00	13405004	19,60
1"	30 1	13401005	21,90	13405005	27,80
1 1/4"	20 1	13401006*	35,25	13405006*	45,10
1 1/2"	15 1	13401007*	43,65	13405007	53,50
2"	8 1	13401008	66,85	13405008	84,55



## 135 TEE

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	100 10	13501003*	18,60	13505003	22,60
3/4"	60 1	13501004*	22,90	13505004*	28,45
1"	40 1	13501005*	29,55	13505005*	37,00



## 165 TEE 45°

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	50 10	16501003*	20,95	16505003	25,35
3/4"	30 10	16501004	23,30	16505004	29,20
1"	20 1	16501005*	35,85	16505005	43,75
1 1/4"	10 1	16501006*	44,10	16505006	54,15
1 1/2"	6 1	16501007*	59,95	16505007*	74,90
2"	4 1	16501008*	88,35	16505008	108,35



## 180 CROSS

ISO/EN C1

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	120 10	18001001	11,95	18005001	14,55
3/8"	100 10	18001002	12,15	18005002	15,25
1/2"	70 10	18001003	11,95	18005003	15,00
3/4"	40 10	18001004	18,30	18005004	22,35
1"	28 1	18001005	22,35	18005005	27,65
1 1/4"	16 1	18001006	29,65	18005006	37,10
1 1/2"	10 1	18001007	39,25	18005007	49,50
2"	7 1	18001008	58,30	18005008	73,85
2 1/2"	3 1	18001009	135,90	18005009	172,05
3"	2 1	1800100A	156,45	1800500A	198,10
4"	1	1800100C	258,15	1800500C	328,40



## 220 Y PIECE

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	100 10	22001002	16,25	22005002	20,35
1/2"	60 10	22001003	14,15	22005003	17,45
3/4"	40 10	22001004	21,70	22005004	27,40
1"	20 1	22001005	35,95	22005005	45,35



## 221 SIDE OUTLET ELBOW

ISO/EN **Za1**

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	120 10	22101002*	15,15	22105002	18,60
1/2"	80 10	22101003	11,50	22105003	14,50
3/4"	50 10	22101004	14,25	22105004	23,00
1"	40 10	22101005	24,50	22105005	30,50
1 1/4"	20 1	22101006	42,85	22105006	53,95
1 1/2"	13 1	22101007	60,80	22105007	76,60
2"	8 1	22101008	92,50	22105008	117,05

2



## 240 REDUCING SOCKET

ISO/EN **M2**

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4" - 1/8"	400 10	24011010	5,85	24015010	6,85
3/8"-1/8"	400 10	24011020*	5,65	24015020*	6,95
3/8"-1/4"	400 10	24011021	4,85	24015021	6,20
1/2"-1/4"	150 10	24001031	5,15	24005031	6,50
1/2"-3/8"	200 10	24001032	4,60	24005032	5,40
3/4"-1/4"	140 10	24001041	7,00	24005041	8,55
3/4"-3/8"	140 10	24001042	5,95	24005042	7,55
3/4"-1/2"	140 10	24001043	4,90	24005043	6,35
1"-3/8"	100 10	24001052	8,30	24005052	10,45
1"-1/2"	90 10	24001053	6,40	24005053	8,00
1"-3/4"	80 10	24001054	5,75	24005054	7,25
1 1/4"-3/8"	60 10	24001062	14,75	24005062	18,60
1 1/4"-1/2"	60 10	24001063	11,70	24005063	15,20
1 1/4"-3/4"	60 10	24001064	10,60	24005064	13,40
1 1/4"-1"	50 10	24001065	10,45	24005065	13,00
1 1/2"-1/2"	50 1	24001073	19,25	24005073	24,15
1 1/2"-3/4"	50 1	24001074	16,40	24005074	20,80
1 1/2"-1"	45 1	24001075	12,70	24005075	15,80
1 1/2"-1 1/4"	40 1	24001076	13,75	24005076	17,45
2"-1/2"	30 1	24001083	25,95	24005083	32,40
2"-3/4"	30 1	24001084	26,95	24005084	33,70
2"-1"	25 1	24001085	24,40	24005085	31,05
2"-1 1/4"	22 1	24001086	21,90	24005086	27,40
2"-1 1/2"	22 1	24001087	20,75	24005087	26,05
2 1/2"-1"	16 1	24001095*	50,35	24005095	61,70
2 1/2"-1 1/4"	14 1	24001096	54,15	24005096	68,30
2 1/2"-1 1/2"	14 1	24001097	67,15	24005097	85,10
2 1/2"-2"	10 1	24001098	58,15	24005098	72,20
3"-1 1/4"	10 1	240010A6	67,50	240050A6	89,50
3"-1 1/2"	10 1	240010A7	61,65	240050A7	77,95
3"-2"	10 1	240010A8	90,05	240050A8	113,80
3"-2 1/2"	8 1	240010A9	102,60	240050A9	129,50
4"-2"	6 1	240010C8	155,45	240050C8	196,85
4"-2 1/2"	6 1	240010C9	162,70	240050C9	205,70
4"-3"	6 1	240010CA	166,65	240050CA	211,05



## 223 SIDE OUTLET TEE

ISO/EN **Za2**

Ø	Box	BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	60 1	22301003	15,80	22305003	19,50
3/4"	40 1	22301004	20,15	22305004	24,40
1"	25 1	22301005	29,60	22305005	35,95



TYPE I



TYPE II



TYPE III

## 241

## REDUCING BUSH

ISO/EN **N4**

Ø	TYP	Box	BLACK		GALVANIZED	
			CODE	€	CODE	€
1/4"-1/8"	I	400 10	24111010	4,45	24115010	5,25
3/8"-1/8"	II	400 10	24111020	4,45	24115020	5,40
3/8"-1/4"	I	400 10	24111021*	3,25	24115021	4,10
1/2"-1/8"	II	400 10	24111030	4,15	24115030	5,10
1/2"-1/4"	II	350 10	24101031	2,60	24105031	3,15
1/2"-3/8"	I	350 10	24101032	2,40	24105032	3,15
3/4"-1/4"	II	200 10	24101041	4,70	24105041	5,80
3/4"-3/8"	II	200 10	24101042	3,65	24105042	4,45
3/4"-1/2"	I	200 10	24101043	2,50	24105043	3,35
1"-1/4"	II	140 10	24101051*	7,10	24105051	8,35
1"-3/8"	II	140 10	24101052	5,95	24105052	7,30
1"-1/2"	II	140 10	24101053	3,70	24105053	4,70
1"-3/4"	I	140 10	24101054	3,35	24105054	4,45
1 1/4"-3/8"	II	80 10	24101062	10,60	24105062	13,40
1 1/4"-1/2"	II	80 10	24101063	6,85	24105063	8,10
1 1/4"-3/4"	II	80 10	24101064	5,90	24105064	7,25
1 1/4"-1"	I	80 10	24101065	4,45	24105065	5,40
1 1/2"-3/8"	II	80 10	24101072	13,30	24105072	16,40
1 1/2"-1/2"	II	70 10	24101073	8,40	24105073	10,80
1 1/2"-3/4"	II	70 10	24101074	9,70	24105074	11,90
1 1/2"-1"	II	70 10	24101075	6,40	24105075	8,00
1 1/2"-1 1/4"	I	70 10	24101076	6,55	24105076	8,10
2"-1/2"	III	30 1	24101083	17,05	24105083	21,60
2"-3/4"	III	30 1	24101084	16,90	24105084	21,35
2"-1"	II	30 1	24101085	13,90	24105085	17,45
2"-1 1/4"	II	30 1	24101086	13,25	24105086	16,65
2"-1 1/2"	II	30 1	24101087	11,85	24105087	14,95
2 1/2"-1"	III	20 1	24101095	27,60	24105095	34,35
2 1/2"-1 1/4"	III	20 1	24101096	31,70	24105096	39,75
2 1/2"-1 1/2"	II	20 1	24101097	30,20	24105097	37,55
2 1/2"-2"	II	20 1	24101098	22,80	24105098	28,75
3"-1"	III	10 1	241010A5	42,60	241050A5	53,85
3"-1 1/4"	III	10 1	241010A6	42,60	241050A6	53,85
3"-1 1/2"	III	10 1	241010A7	39,85	241050A7	49,95
3"-2"	II	15 1	241010A8	29,85	241050A8	37,05
3"-2 1/2"	II	15 1	241010A9	33,70	241050A9	41,95
4"-2"	III	8 1	241010C8	85,15	241050C8	107,70
4"-2 1/2"	III	8 1	241010C9	63,20	241050C9	80,20
4"-3"	II	8 1	241010CA	60,70	241050CA	76,95
5"-4"	II	11 1			241050DC	587,10
6"-4"	III	6 1			241050EC	884,20
6"-5"	II	6 1			241050ED	884,20



## 245 REDUCING HEXAGON NIPPLE

ISO/EN **N8**



## 246 REDUCING SOCKET F/M

ISO/EN **M4**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"-1/8"	400 10	24511010	5,30	24515010	6,60
3/8"-1/8"	400 10	24511020*	6,60	24515020	7,85
3/8"-1/4"	400 10	24511021	4,90	24515021	6,50
1/2"-1/4"	250 10	24511031	6,85	24515031	8,10
1/2"-3/8"	230 10	24501032	5,95	24505032	7,55
3/4"-1/4"	150 10	24501041	12,30	24505041	15,25
3/4"-3/8"	140 10	24501042	10,70	24505042	13,35
3/4"-1/2"	150 10	24501043	5,40	24505043	6,55
1"-1/2"	100 10	24501053	10,45	24505053	13,20
1"-3/4"	100 10	24501054	5,95	24505054	7,55
1 1/4"-1/2"	60 10	24501063	16,05	24505063	20,20
1 1/4"-3/4"	60 10	24501064	13,95	24505064	17,20
1 1/4"-1"	50 10	24501065	9,80	24505065	11,90
1 1/2"-3/4"	50 1	24501074	13,95	24505074	17,45
1 1/2"-1"	50 1	24501075	21,90	24505075	27,65
1 1/2"-1 1/4"	45 1	24501076	11,75	24505076	15,00
2"-1"	25 1	24501085	19,85	24505085	24,90
2"-1 1/4"	25 1	24501086	24,85	24505086	31,05
2"-1 1/2"	25 1	24501087	22,55	24505087	28,35
2 1/2"-1 1/2"	15 1	24501097	33,50	24505097	42,10
2 1/2"-2"	14 1	24501098	54,55	24505098	67,90
3"-2"	8 1	245010A8	68,15	245050A8	86,15
3"-2 1/2"	8 1	245010A9	86,70	245050A9	109,70
4"-3"	4 1	245010CA	162,65	245050CA	205,90

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"-1/8"	400 10	24611010	5,55	24615010	6,60
3/8"-1/4"	400 10	24611021	4,60	24615021	5,70
1/2"-1/4"	220 10	24601031	6,35	24605031	7,75
1/2"-3/8"	220 10	24601032	4,85	24605032	6,05
3/4"-3/8"	150 10	24601042	8,45	24605042	10,50
3/4"-1/2"	140 10	24601043	5,15	24605043	6,50
1"-1/2"	80 10	24601053	8,10	24605053	9,90
1"-3/4"	80 10	24601054	8,30	24605054	10,50
1 1/4"-1/2"	60 10	24601063	20,10	24605063	25,35
1 1/4"-3/4"	50 10	24601064	15,50	24605064	19,35
1 1/4"-1"	50 10	24601065	9,60	24605065	11,65
1 1/2"-3/4"	45 1	24601074	17,70	24605074	22,25
1 1/2"-1"	45 1	24601075	18,05	24605075	22,35
1 1/2"-1 1/4"	40 1	24601076	15,75	24605076	19,55
2"-1"	30 1	24601085	30,20	24605085	37,55
2"-1 1/4"	25 1	24601086	26,00	24605086	32,65
2"-1 1/2"	20 1	24601087	26,35	24605087	33,45
2 1/2"-1 1/2"	12 1	24601097	54,60	24605097	69,10
2 1/2"-2"	12 1	24601098	44,55	24605098	56,00
3"-2"	12 1	246010A8	64,75	246050A8	81,65
3"-2 1/2"	12 1	246010A9	79,10	246050A9	99,95



## 270 SOCKET

ISO/EN **M2**



## 271 RIGHT AND LEFT SOCKET

ISO/EN **M2 R-L**


Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	27011000	4,20	27015000	5,10
1/4"	400 10	27011001	3,90	27015001	5,10
3/8"	250 10	27001002	3,65	27005002	4,35
1/2"	180 10	27001003	2,90	27005003	3,55
3/4"	110 10	27001004	3,80	27005004	4,85
1"	80 10	27001005	4,90	27005005	6,40
1 1/4"	45 1	27001006	8,10	27005006	10,05
1 1/2"	35 1	27001007	11,35	27005007	14,50
2"	20 1	27001008	17,00	27005008	21,40
2 1/2"	12 1	27001009	47,90	27005009	59,40
3"	9 1	2700100A	57,35	2700500A	71,35
4"	4 1	2700100C	131,55	2700500C	166,30
5"	3 1			2700500D	740,70
6"	3 1			2700500E	1.063,80

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	250 10	27101002	5,05	27105002	6,40
1/2"	180 10	27101003	4,50	27105003	5,60
3/4"	110 10	27101004	5,80	27105004	7,50
1"	80 10	27101005	7,75	27105005	9,65
1 1/4"	45 1	27101006	14,75	27105006	18,45
1 1/2"	35 1	27101007	16,05	27105007	20,20
2"	20 1	27101008	28,65	27105008	35,95



## 280 HEXAGON NIPPLE


ISO/EN N8

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	28011000	4,75	28015000	5,95
1/4"	400 10	28011001	4,45	28015001	5,25
3/8"	300 10	28001002	4,85	28005002	6,05
1/2"	200 10	28001003	2,50	28005003	3,15
3/4"	130 10	28001004	3,35	28005004	4,10
1"	80 10	28001005	4,65	28005005	5,95
1 1/4"	40 10	28001006	8,10	28005006	10,05
1 1/2"	40 1	28001007	9,65	28005007	11,60
2"	20 1	28001008	16,75	28005008	20,90
2 1/2"	10 1	28001009	30,20	28005009	37,55
3"	8 1	2800100A	36,60	2800500A	45,20
4"	4 1	2800100C	131,55	2800500C	166,30
5"	3 1			2800500D	574,05
6"	3 1			2800500E	916,85



## 281 RIGHT AND LEFT HEXAGON NIPPLE


ISO/EN N8 R-L

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	300 10	28101002	10,40	28105002	12,25
1/2"	200 10	28101003	4,85	28105003	5,95
3/4"	130 10	28101004	5,80	28105004	7,30
1"	80 10	28101005	10,05	28105005	12,45
1 1/4"	40 10	28101006	14,10	28105006	17,65
1 1/2"	40 1	28101007	16,80	28105007	20,95
2"	20 1	28101008	31,05	28105008	38,70



## 290 PLUG


ISO/EN T9

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	29011000	3,05	29015000	3,80
1/4"	400 10	29011001	2,30	29015001	3,05
3/8"	400 10	29001002	2,10	29005002	2,45
1/2"	300 10	29001003	2,05	29005003	2,45
3/4"	200 10	29001004	2,75	29005004	3,35
1"	120 10	29001005	3,10	29005005	3,70
1 1/4"	80 10	29001006	5,60	29005006	7,00
1 1/2"	60 10	29001007	7,05	29005007	8,55
2"	40 1	29001008	12,45	29005008	15,20
2 1/2"	20 1	29001009	26,30	29005009	33,30
3"	15 1	2900100A	34,00	2900500A	42,85
4"	8 1	2900100C	59,85	2900500C	75,70




## 291 PLAIN PLUG

ISO/EN T8

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	29111000	2,65	29115000	3,35
1/4"	400 10	29111001	2,65	29115001	3,35
3/8"	400 10	29101002	2,35	29105002	3,20
1/2"	300 10	29101003	2,20	29105003	3,00
3/4"	200 10	29101004	3,25	29105004	4,35
1"	120 10	29101005	4,20	29105005	5,10
1 1/4"	80 10	29101006	5,75	29105006	7,30
1 1/2"	60 10	29101007	9,80	29105007	12,15
2"	40 1	29101008	13,40	29105008	16,75
2 1/2"	20 1	29101009	26,10	29105009	31,90
3"	15 1	2910100A*	32,00	2910500A	40,10
4"	8 1	2910100C*	110,40	2910500C*	139,75




## 294 PLUG WITH HOLE IN SQUARE HEAD

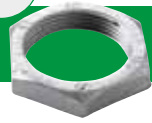
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	300 10	29401003	6,70	29405003	8,20
3/4"	200 10	29401004	8,20	29405004	10,10
1"	120 10	29401005	10,10	29405005	13,10
1 1/4"	80 10	29401006	13,35	29405006	16,50
1 1/2"	60 10	29401007	14,10	29405007	17,30
2"	40 1	29401008	22,35	29405008	28,00



## 300 CAP

ISO/EN T1

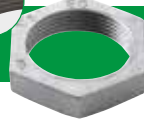
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	400 10	30011000	5,50	30015000	6,60
1/4"	400 10	30011001	3,15	30015001	3,80
3/8"	400 10	30011002	2,70	30015002	3,55
1/2"	280 10	30001003	3,15	30005003	4,00
3/4"	180 10	30001004	3,80	30005004	4,85
1"	130 10	30001005	4,65	30005005	5,70
1 1/4"	80 10	30001006	7,05	30005006	8,55
1 1/2"	60 10	30001007	8,70	30005007	10,60
2"	40 1	30001008	16,00	30005008	20,00
2 1/2"	25 1	30001009	29,20	30005009	36,55
3"	15 1	3000100A	31,90	3000500A	39,85
4"	8 1	3000100C	68,55	3000500C	87,05



## 310 BACKNUT

ISO/EN P4

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	400 10	31011001	2,90	31015001	3,75
3/8"	400 10	31011002	3,05	31015002	3,95
1/2"	400 10	31001003	2,30	31005003	3,05
3/4"	300 10	31001004	2,60	31005004	3,15
1"	200 10	31001005	3,95	31005005	4,70
1 1/4"	80 1	31001006	5,70	31005006	6,75
1 1/2"	70 1	31001007	6,20	31005007	7,75
2"	50 1	31001008	12,30	31005008	15,25
2 1/2"	25 1	31001009*	27,95	31005009	34,25
3"	25 1	3100100A*	32,70	3100500A	40,20



## 312 BACKNUT, RECESSED

ISO/EN P4

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	400 10	31211001	5,25	31215001	6,40
3/8"	400 10	31211002	5,75	31215002	7,50
1/2"	400 10	31201003	3,10	31205003	4,10
3/4"	300 10	31201004	3,75	31205004	4,50
1"	200 10	31201005	4,60	31205005	5,70
1 1/4"	120 10	31201006	7,00	31205006	8,35
1 1/2"	90 10	31201007	7,95	31205007	9,90
2"	60 10	31201008	16,40	31205008	20,20
2 1/2"	35 1	31201009	36,45	31205009	50,85
3"	25 1	3120100A	40,40	3120500A	55,10
4"	12 1	3120100C	65,95	3120500C	98,35



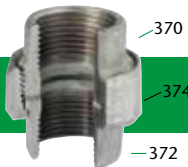
## 320 OVAL FLANGE

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	140 1	32001003	22,05	32005003	29,90
3/4"	110 1	32001004	31,95	32005004	40,70
1"	70 1	32001005	38,20	32005005	49,80
1 1/4"	50 1	32001006	49,25	32005006	66,05
1 1/2"	35 1	32001007	52,50	32005007	72,65
2"	30 1	32001008	56,60	32005008	75,35
2 1/2"	15 1	32001009	75,15	32005009	104,05
3"	10 1	3200100A	78,70	3200500A	109,10
4"	6 1	3200100C	93,65	3200500C	129,50



## 321 CIRCULAR FLANGE

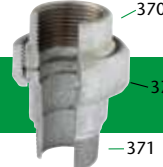
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	110 1			32105002	18,15
1/2"	90 1	32101003	14,60	32105003	18,65
3/4"	70 1	32101004	17,70	32105004	22,95
1"	50 1	32101005	21,10	32105005	26,55
1 1/4"	30 1	32101006	27,95	32105006	35,25
1 1/2"	20 1	32101007	34,15	32105007	42,85
2"	15 1	32101008	41,30	32105008	51,80
2 1/2"	12 1	32101009	58,50	32105009	80,65
3"	9 1	3210100A	71,00	3210500A	96,15
4"	5 1	3210100C	115,75	3210500C	155,10



## 330 UNION, FLAT SEAT

ISO/EN U1

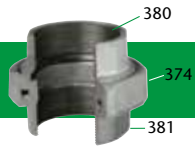
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	80 10	33001003	10,65	33005003	12,85
3/4"	50 10	33001004	12,10	33005004	14,95
1"	30 1	33001005	13,45	33005005	16,90
1 1/4"	20 1	33001006	23,30	33005006	29,20
1 1/2"	18 1	33001007	30,00	33005007	37,70
2"	10 1	33001008	49,25	33005008	62,55
2 1/2"	7 1	33001009	113,30	33005009	143,25
3"	4 1	3300100A	166,20	3300500A	210,20
4"	2 1	3300100C	388,50	3300500C	492,20



## 331 UNION, FLAT SEAT

ISO/EN U2

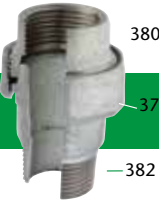
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	100 10	33101002	17,35	33105002	21,45
1/2"	60 10	33101003	12,20	33105003	15,00
3/4"	40 10	33101004	13,30	33105004	16,80
1"	35 1	33101005	16,20	33105005	20,10
1 1/4"	18 1	33101006	27,95	33105006	36,65
1 1/2"	15 1	33101007	35,20	33105007	44,25
2"	10 1	33101008	54,60	33105008	69,25
2 1/2"	4 1	33101009	127,35	33105009	161,00
3"	2 1	3310100A	186,15	3310500A	235,35



## 340 UNION, TAPER SEAT

ISO/EN **U11**

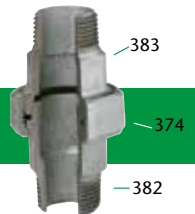
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	160 10	34001000	38,40	34005000*	49,40
1/4"	140 10	34001001	18,70	34005001	23,05
3/8"	100 10	34001002	16,90	34005002	20,80
1/2"	80 10	34001003	12,80	34005003	15,95
3/4"	50 10	34001004	14,35	34005004	18,05
1"	30 1	34001005	16,75	34005005	20,80
1 1/4"	20 1	34001006	27,60	34005006	35,80
1 1/2"	18 1	34001007	32,35	34005007	41,95
2"	10 1	34001008	53,00	34005008	69,00
2 1/2"	7 1	34001009	119,80	34005009	151,70
3"	4 1	3400100A	167,10	3400500A	211,50
4"	2 1	3400100C	337,05	3400500C	427,05



## 341 UNION, TAPER SEAT

ISO/EN **U12**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	120 10	34101001	19,45	34105001	24,00
3/8"	100 10	34101002	14,85	34105002	18,70
1/2"	60 10	34101003	12,50	34105003	15,55
3/4"	40 10	34101004	15,10	34105004	18,70
1"	35 1	34101005	18,65	34105005	23,25
1 1/4"	18 1	34101006	29,60	34105006	37,00
1 1/2"	15 1	34101007	37,70	34105007	47,35
2"	10 1	34101008	60,30	34105008	75,55
2 1/2"	4 1	34101009	130,95	34105009	165,50
3"	2 1	3410100A	204,45	3410500A	258,80
4"	1	3410100C	374,50	3410500C	474,50



## 344 UNION, TAPER SEAT

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/4"	120 10	34401001*	31,55	34405001*	39,45
3/8"	100 10	34401002*	26,40	34405002*	32,65
1/2"	50 10	34401003	24,00	34405003	30,55
3/4"	40 10	34401004	27,75	34405004	35,25
1"	30 1	34401005	31,85	34405005	40,10
1 1/4"	15 1	34401006	56,85	34405006	71,65
1 1/2"	10 1	34401007*	63,60	34405007	80,35
2"	6 1	34401008	112,70	34405008	146,60



## 370 UNION BUSH, FLAT SEAT

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	250 1	37001003	4,50	37005003	5,35
3/4"	200 1	37001004	5,15	37005004	6,40
1"	120 1	37001005	6,10	37005005	7,75
1 1/4"	70 1	37001006	8,75	37005006	10,80
1 1/2"	50 1	37001007	11,40	37005007	13,75
2"	25 1	37001008	19,90	37005008	24,70
2 1/2"	15 1	37001009	39,40	37005009	49,80
3"	10 1	3700100A	57,70	3700500A	73,00
4"	6 1	3700100C	174,35	3700500C	205,05



## 371 UNION END, MALE FLAT SEAT

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	225 1	37101003	7,05	37105003	8,80
3/4"	125 1	37101004	6,70	37105004	8,10
1"	80 1	37101005	8,00	37105005	10,00
1 1/4"	45 1	37101006	13,95	37105006	17,20
1 1/2"	35 1	37101007	15,95	37105007	19,90
2"	20 1	37101008	22,55	37105008	28,00
2 1/2"	10 1	37101009	46,50	37105009	58,75
3"	6 1	3710100A	82,20	3710500A	103,90



## 372 UNION END, FEMALE FLAT SEAT

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	325 1	37201003	4,65	37205003	6,15
3/4"	210 1	37201004	4,70	37205004	6,40
1"	150 1	37201005	4,75	37205005	6,85
1 1/4"	80 1	37201006	7,50	37205006	9,45
1 1/2"	55 1	37201007	10,05	37205007	12,70
2"	30 1	37201008	16,10	37205008	19,95
2 1/2"	16 1	37201009	35,05	37205009	44,10
3"	10 1	3720100A	63,40	3720500A	80,20



**374 UNION NUT**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	300 1	37401002	3,05	37405002	4,10
1/2"	175 1	37401003	4,20	37405003	5,10
3/4"	140 1	37401004	4,20	37405004	5,25
1"	100 1	37401005	4,65	37405005	6,10
1 1/4"	55 1	37401006	7,55	37405006	9,80
1 1/2"	45 1	37401007	9,45	37405007	11,50
2"	30 1	37401008	13,30	37405008	16,75
2 1/2"	15 1	37401009	32,40	37405009	41,00
3"	12 1	3740100A	41,90	3740500A	52,85
4"	8 1	3740100C	96,80	3740500C	119,80



**526 EXTENSION TUBE**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
30 x 3/8"	350 10	52601302	6,00	52605302	7,95
30 x 1/2"	220 10	52601303	6,60	52605303	8,10
40 x 3/8"	250 10	52601402	9,65	52605402	11,95
40 x 1/2"	200 10	52601403	6,30	52605403	8,10
40 x 3/4"	120 10	52601404	8,20	52605404	10,10
50 x 1/2"	120 10	52601503*	6,10	52605503*	7,75



**531 INTERNAL NIPPLE**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/8"	100 10			53115000	3,70
1/4"	500 10	53111001	2,90	53115001	3,80
3/8"	400 10	53101002	3,00	53105002	3,75
1/2"	380 10	53101003	3,95	53105003	4,70
3/4"	240 10	53101004	5,30	53105004	6,60
1"	140 10	53101005	7,95	53105005	9,80
1 1/4"	80 10	53101006	17,80	53105006	24,50
1 1/2"	60 10	53101007	19,05	53105007	24,65
2"	35 1	53101008	32,40	53105008	45,30
2 1/2"	18 1	53101009	45,05	53105009	63,10
3"	12 1	5310100A	48,45	5310500A	66,15
4"	8 1	5310100C	103,95	5310500C	151,40

**GASKET FOR FLAT SEAT UNION**



Gasket suitable for gas, water, oil and hydrocarbons. Optimal quality in ratio (0-50Bar) - T<sup>a</sup> (0 - 220° C). Drinkable water (UBA KTW-BWGL) and gas (DVGW DIN 30653 and DVGW DIN 3535-6) certified.

Ø	Ø Int. mm.	Ø Ext. mm.	THICKNESS	CODE	€
1/2"	24	34	2	90000003	0,32
3/4"	27	38	2	90000004	0,58
1"	32	44	2	90000005	1,16
1 1/4"	42	55	2	90000006	1,62
1 1/2"	46	62	2	90000007	1,86
2"	60	78	2	90000008	2,33
2 1/2"	75	96	3	90000009	7,00
3"	88	109	3	9000000A	10,21
4"	113	134	3	9000000C	14,60



**334 UNIÓN DE COMPENSACIÓN**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2" x 88	50 1			33405003	24,35
3/4" x 96	30 1			33405004	30,00
1" x 106	20 1			33405005	37,80
1 1/4" x 118	15 1			33405006	54,35
1 1/2" x 122	10 1			33405007	69,85
2" x 134	8 1			33405008	109,45



**471 BRACKET ELBOW**

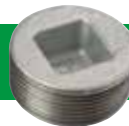
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	40 10			47105003	19,90
3/4"	30 10			47105004	39,40
1"	20 10			47105005	53,60



**529 EXTENSION TUBE**

ISO/EN **M4**

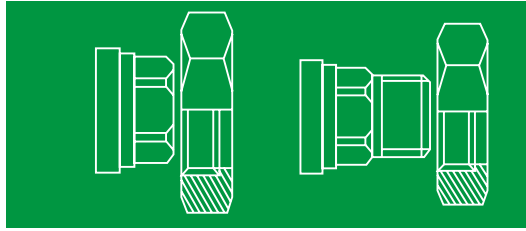
Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
3/8"	300 10	52901002	5,05	52905002	6,55
1/2"	200 10	52901003	5,15	52905003	6,50
3/4"	120 10	52901004	7,55	52905004	9,65
1"	60 10	52901005	11,75	52905005	15,00
1 1/4"	40 1	52901006	15,95	52905006	19,75
1 1/2"	35 1	52901007*	22,95	52905007	27,65
2"	20 1	52901008*	37,70	52905008	46,05



**596 PLUG SQUARE INSIDE**

ISO/EN **T11**

Ø		BLACK		GALVANIZED	
		CODE	€	CODE	€
1/2"	200 10			59605003*	4,55
3/4"	150 10	59601004*	4,55		
1"	150 10	59601005	5,35		
1 1/4"	140 1	59601006	8,00		
1 1/2"	125 1	59601007	14,85	59605007	18,80
2"	60 1	59601008*	22,40		



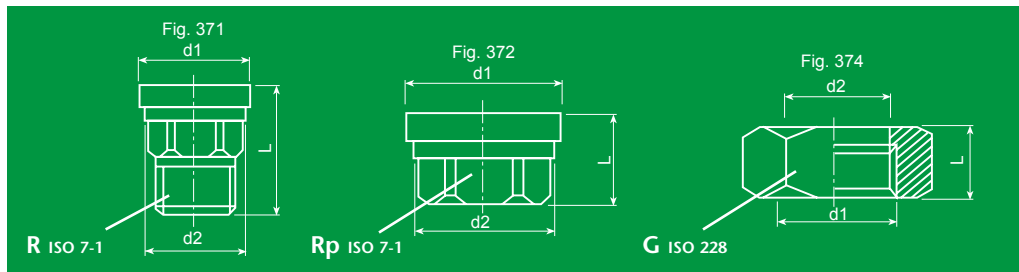
## PUMPS CONNECTION KITS

### ■ 1 Kit is composed by:

- 2 Backnuts Ref. 374 (P1)  
Fastening threads DIN EN-ISO 228-1.
- 2 Union ends Ref. 372 or 371  
Joining threads DIN 2999 / ISO 7-1 / EN 10226-1
- 2 Gaskets, free of asbestos:
  - Max. Temperature 300° C.
  - Max. Temperature with steam 200° C.
  - DVGW Certificate for industrial gases.
  - KTW Certificate for food and drinking water.

■ Kits are produced in black finish, (without galvanisation), if opposite is not specified.

■ Each kit is supplied in plastic bag and carton box, duly marked with a label.



### 3/4" (372 Reduced) KIT C4201047

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
372 Rp 3/4"	39,11	44,2	40,9	26,0	20	464
374 G 1 1/2"		45,15	41,8	22,0		

### 1" KIT C4201057

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
372 Rp 1"	32,07	44,2	40,9	26,5	20	474
374 G 1 1/2"		45,15	41,8	22,0		

### 1" (372 Reduced) KIT C4201058

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
372 Rp 1"	56,94	56,0	52,2	31,0	15	854
374 G 2"		56,9	52,9	24,0		

### 1" KIT C4101057

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
371 R 1"	34,49	44,2	40,9	49,0	18	620
374 G 1 1/2"		45,15	41,8	22,0		

### 1 1/4" (371 Increased) KIT C4101067

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
371 R 1 1/4"	66,04	44,2	40,9	48,0	15	624
374 G 1 1/2"		45,15	41,8	22,0		

### 1 1/4" KIT C4201068

FIG	€	mm.			Box	(grs.)
		d1	d2	L		
372 Rp 1 1/4"	49,12	56,0	52,2	31,0	15	878
374 G 2"		56,9	52,9	24,0		

R = Male thread (taper external thread) - Rp = Female thread (parallel internal thread)  
G<sub>374</sub> = Female thread (parallel internal thread)

## PACKING

FIG.	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
1	200	250	170	110	60	35	17	12	6	3	4	2		
1A		250	130	100	60	40	20	15	8	3	4	2		
2		200	140	90	50	28	14	10	5	2	4	2		
2A			50	90	50	35	20	14	8	2	4	2		
3		300	200	120	70	40	20	14	7	3	5	2		
40		300	200	120	80	50	25	18	10	6	3	4		
41		220	150	100	60	40	22	15	9	4	2	2		
60				90	90	20	15	10	6					
85			100	60	30	20	10							
90	400	350	250	120	90	50	30	22	12	7	4	2	2	1
92	500	350	250	150	90	50	30	22	12	7	4	2		
94			200	150	90	60	20	25	10					
95			70	50	40	28	14	10	6					
96		120	80	50	40	28	14	10	6	4	2			
97			70	50	30	23	12	10	6					
98		120	80	50	30	23	12	10	6	3	2			
120			150	150	90	60	30	20	10	8	5			
121			200	150	100	50	30	25	12	8	5			
130	200	220	120	70	60	30	20	14	10	5	4	2	2	1
131				50	40	20	14	8	4	2	2	2		
132				40	25	15	10	8	3					
133			150	80	50	15								
134				80	50	30	20	15	8					
135				100	60	40								
165				50	30	20	10	6	4					
180		120	100	70	40	28	16	10	7	3	2	1		
220			100	60	40	20								
221			120	80	50	40	20	13	8					
223				60	40	25								
270	400	400	250	180	110	80	45	35	20	12	9	4	3	3
271			250	180	110	80	45	35	20					
280	400	400	300	200	130	80	40	40	20	10	8	4	3	3
281			300	200	130	80	40	40	20					
290	400	400	400	300	200	120	80	60	40	20	15	8		
291	400	400	400	300	200	120	80	60	40	20	15	8		
294				300	200	120	80	60	40					
300	400	400	400	280	180	130	80	60	40	25	15	8		
310		400	400	400	300	200	80	70	50	25	25			
312		400	400	400	300	200	120	90	60	35	25	12		
320				140	110	70	50	35	30	15	10	6		
321				90	70	50	30	20	15	12	9	5		
330				80	50	30	20	18	10	7	4	2		
331			100	60	40	35	18	15	10	4	2			
340	160	140	100	80	50	30	20	18	10	7	4	2		
341		120	100	60	40	35	18	15	10	4	2	1		
344		120	100	50	40	30	15	10	6					
370				250	200	120	70	50	25	15	10	6		
371				225	125	80	45	35	20	10	6			
372				325	210	150	80	55	30	16	10			
374				175	140	100	55	45	30	15	12	8		
471				40	30	20								
529			300	200	120	60	40	35	20					
531	500	500	400	380	240	140	80	60	35	18	12	8		
596				200	150	150	140	125	60					



	130R		130R
3/8 x 1/4 x 3/8	150	1 1/2 x 3/4 x 1 1/2	22
3/8 x 1/2 x 3/8	120	1 1/2 x 1 x 1	25
3/8 x 3/4 x 3/8	90	1 1/2 x 1 x 1 1/4	22
1/2 x 1/4 x 1/2	110	1 1/2 x 1 x 1 1/2	20
1/2 x 3/8 x 3/8	110	1 1/2 x 1 1/4 x 1	15
1/2 x 3/8 x 1/2	110	1 1/2 x 1 1/4 x 1 1/4	18
1/2 x 1/2 x 3/8	110	1 1/2 x 1 1/4 x 1 1/2	17
1/2 x 3/4 x 3/8	70	1 1/2 x 1 1/2 x 1/2	17
1/2 x 3/4 x 1/2	70	1 1/2 x 1 1/2 x 3/4	17
1/2 x 1 x 1/2	60	1 1/2 x 1 1/2 x 1	17
3/4 x 1/4 x 3/4	70	1 1/2 x 1 1/2 x 1 1/4	15
3/4 x 3/8 x 1/2	70	1 1/2 x 2 x 1 1/4	10
3/4 x 3/8 x 3/4	70	1 1/2 x 2 x 1 1/2	10
3/4 x 1/2 x 3/8	70	2 x 1/2 x 1 1/2	18
3/4 x 1/2 x 1/2	70	2 x 1/2 x 2	15
3/4 x 1/2 x 3/4	60	2 x 3/4 x 1 1/2	16
3/4 x 3/4 x 3/8	60	2 x 3/4 x 2	15
3/4 x 3/4 x 1/2	60	2 x 1 x 1 1/2	15
3/4 x 1 x 1/2	50	2 x 1 x 2	12
3/4 x 1 x 3/4	40	2 x 1 1/4 x 1	12
3/4 x 1 1/4 x 3/4	35	2 x 1 1/4 x 1 1/4	12
1 x 1/4 x 1	40	2 x 1 1/4 x 1 1/2	12
1 x 3/8 x 3/4	50	2 x 1 1/4 x 2	12
1 x 3/8 x 1	50	2 x 1 1/2 x 1	12
1 x 1/2 x 1/2	50	2 x 1 1/2 x 1 1/2	10
1 x 1/2 x 3/4	50	2 x 1 1/2 x 2	10
1 x 1/2 x 1	40	2 x 2 x 1/2	10
1 x 3/4 x 1/2	40	2 x 2 x 3/4	10
1 x 3/4 x 3/4	40	2 x 2 x 1	10
1 x 3/4 x 1	40	2 x 2 x 1 1/4	10
1 x 1 x 3/8	40	2 x 2 x 1 1/2	10
1 x 1 x 1/2	40	2 x 2 1/2 x 2	6
1 x 1 x 3/4	30	2 1/2 x 1/2 x 2 1/2	8
1 x 1 1/4 x 3/4	30	2 1/2 x 3/4 x 2 1/2	8
1 x 1 1/4 x 1	30	2 1/2 x 1 x 2 1/2	8
1 x 1 1/2 x 1	22	2 1/2 x 1 1/4 x 2 1/2	8
1 1/4 x 3/8 x 1 1/4	30	2 1/2 x 1 1/2 x 2 1/2	8
1 1/4 x 1/2 x 1	35	2 1/2 x 2 x 2	6
1 1/4 x 1/2 x 1 1/4	30	2 1/2 x 2 x 2 1/2	6
1 1/4 x 3/4 x 1/2	40	2 1/2 x 2 1/2 x 1 1/2	6
1 1/4 x 3/4 x 3/4	35	2 1/2 x 2 1/2 x 2	6
1 1/4 x 3/4 x 1	32	3 x 1/2 x 3	5
1 1/4 x 3/4 x 1 1/4	30	3 x 3/4 x 3	6
1 1/4 x 1 x 3/8	30	3 x 1 x 3	5
1 1/4 x 1 x 1/2	32	3 x 1 1/4 x 3	4
1 1/4 x 1 x 3/4	30	3 x 1 1/2 x 3	4
1 1/4 x 1 x 1	28	3 x 2 x 2	4
1 1/4 x 1 x 1 1/4	25	3 x 2 x 3	4
1 1/4 x 1 1/4 x 1/2	30	3 x 2 1/2 x 3	3
1 1/4 x 1 1/4 x 3/4	25	3 x 3 x 2	2
1 1/4 x 1 1/4 x 1	25	4 x 1/2 x 4	2
1 1/4 x 1 1/2 x 1	20	4 x 3/4 x 4	2
1 1/4 x 1 1/2 x 1 1/4	18	4 x 1 x 4	2
1 1/4 x 2 x 1 1/4	10	4 x 1 1/2 x 4	2
1 1/2 x 3/8 x 1 1/2	28	4 x 2 x 4	2
1 1/2 x 1/2 x 1 1/4	28	4 x 2 1/2 x 4	2
1 1/2 x 1/2 x 1 1/2	25	4 x 3 x 4	2
1 1/2 x 3/4 x 1 1/4	25	5 x 4 x 5	2



	90R	240	241	245	246
<b>FIG.</b>					
1/4 x 1/8		400	400	400	400
3/8 x 1/8		400	400	400	
3/8 x 1/4	120	400	400	400	400
1/2 x 1/8			400		
1/2 x 1/4	120	150	350	250	220
1/2 x 3/8	120	200	350	230	220
3/4 x 1/4		140	200	150	
3/4 x 3/8	90	140	200	140	150
3/4 x 1/2	90	140	200	150	140
1 x 1/4			140		
1 x 3/8		100	140		
1 x 1/2	50	90	140	100	80
1 x 3/4	50	80	140	100	80
1 1/4 x 3/8		60	80		
1 1/4 x 1/2	50	60	80	60	60
1 1/4 x 3/4	50	60	80	60	50
1 1/4 x 1	40	50	80	50	50
1 1/2 x 3/8			80		
1 1/2 x 1/2		50	70		
1 1/2 x 3/4	30	50	70	50	45
1 1/2 x 1	35	45	70	50	45
1 1/2 x 1 1/4	25	40	70	45	40
2 x 1/2		30	30		
2 x 3/4		30	30		
2 x 1	15	25	30	25	30
2 x 1 1/4	15	22	30	25	25
2 x 1 1/2	15	22	30	25	20
2 1/2 x 1		16	20		
2 1/2 x 1 1/4		14	20		
2 1/2 x 1 1/2		14	20	15	12
2 1/2 x 2	8	10	20	14	12
3 x 1			10		
3 x 1 1/4		10	10		
3 x 1 1/2		10	10		
3 x 2		10	15	8	12
3 x 2 1/2		8	15	8	12
4 x 2		6	8		
4 x 2 1/2		6	8		
4 x 3		6	8	4	
5 x 4			11		
6 x 4			6		
6 x 5			6		



FIG.	
30 x 3/8	350
30 x 1/2	220
40 x 3/8	250
40 x 1/2	200
40 x 3/4	120
50 x 1/2	120
50 x 3/4	100



FIG.	
1/2" x 3/8"	150
3/4" x 1/2"	90
1" x 3/4"	60
1 1/4" x 1"	30
1 1/2" x 1"	20
1 1/2" x 1 1/4"	20
3/8" x 1/2"	150
1/2" x 3/4"	90
3/4" x 1"	60
1" x 1 1/4"	30

### BOXES SIZES

25 x 19 x 20 cm.	37.5 x 27 x 21 cm.
STANDARD	Fig. 1, 1a, 2, 2a 3", 4" Fig. 40, 41 4" Fig. 90, 130, 270, 280 5", 6" Fig. 130R 5" x 4" x 5" Fig. 241 5" x 4" 6" x 4" 6" x 5"

### PACKING

In plastic bags with 10 pieces.

Steel fittings.

The normal boxes' size is 25 x 19 x 20 cm.

# MALLEABLE CAST IRON FAST FITTINGS

The EO Fast Fittings share characteristics and the manufacturing process of the malleable cast iron pipe fittings. Designed for the joining of pipes through compression adjustment, this system simplifies and optimizes the setting up of new installations as well as the maintenance and modification of already existing installations. The design parameters of this product allow optimal service conditions ensuring the tightness of the installation both in liquids and gases.

In the three design versions - fast fittings, intake and reparation clamps- this range of EO products has become a market leader, with very satisfactory results in different areas of application: water (drinkable, sanitary, irrigation), gas, fuels, compressed air, oils, etc


















The ATUSA logo consists of a white diamond shape with a black outline, containing a white chevron pointing to the right. To the right of this symbol, the word "ATUSA" is written in a bold, white, sans-serif font.

**ATUSA**

The image features a close-up, high-angle view of a complex industrial metal fitting. The fitting is made of a dark, textured metal, possibly cast iron or steel, and has several threaded ports. One prominent port in the foreground shows a series of fine, closely spaced threads. The fitting is secured with several hexagonal nuts and bolts. The background is a solid, vibrant green, which makes the metallic components stand out. The lighting is dramatic, highlighting the textures and contours of the metal.


**FAST  
FITTINGS**

 <p><b>740</b> 3/8" to 2 1/2"</p>	 <p><b>740</b> 3" and 4"</p>	 <p><b>746</b> 3/8" to 2 1/2"</p>	 <p><b>746</b> 3" and 4"</p>
 <p><b>770</b> 1/2" to 2 1/2"</p>	 <p><b>770</b> 3" and 4"</p>	 <p><b>790</b> 1/2" to 2"</p>	 <p><b>790</b> 2 1/2" and 3"</p>
 <p><b>730</b> 1/2" to 2"</p>	 <p><b>730</b> 2 1/2" and 3"</p>	 <p><b>730R</b> various Refs.</p>	 <p><b>730R</b> various Refs.</p>
 <p><b>710</b> 1/2" to 4"</p>	 <p><b>715</b> 1/2" to 2"</p>	 <p><b>720</b> various Refs.</p>	



## 740 COMPRESSION FITTING WITH FEMALE THREAD, STRAIGHT




Ø			CODE	€
3/8"	75	1	740A5002	41,80
1/2"	60	1	740A5003	41,80
3/4"	30	1	740A5004	47,65
1"	20	1	740A5005	53,60
1 1/4"	16	1	740A5006	78,05
1 1/2"	12	1	740A5007	96,60
2"	6	1	740A5008	107,70
2 1/2"	6	1	740A5009	249,40
* 3"	2	1	740A500A	359,75
* 4"	1		740A500C	822,85



## 746 COMPRESSION FITTING WITH MALE THREAD, STRAIGHT




Ø			CODE	€
3/8"	75	1	746A5002	41,55
1/2"	55	1	746A5003	41,55
3/4"	30	1	746A5004	46,30
1"	20	1	746A5005	52,40
1 1/4"	16	1	746A5006	75,70
1 1/2"	12	1	746A5007	93,95
2"	6	1	746A5008	133,55
2 1/2"	6	1	746A5009	244,90
* 3"	2	1	746A500A	342,85
* 4"	1		746A500C	803,00



## 770 DOUBLE COMPRESSION FITTING, STRAIGHT



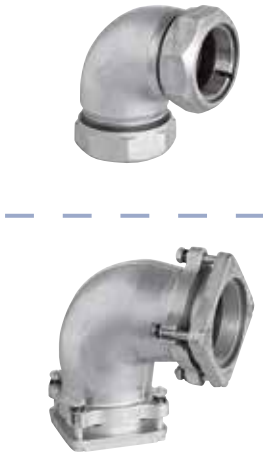
Ø			CODE	€
1/2"	50	1	770A5003	59,45
3/4"	25	1	770A5004	69,15
1"	16	1	770A5005	81,65
1 1/4"	12	1	770A5006	106,95
1 1/2"	9	1	770A5007	141,00
2"	6	1	770A5008	201,75
2 1/2"	4	1	770A5009	298,40
* 3"	2	1	770A500A	488,60
* 4"	1		770A500C	1203,25

 GALVANIZED

\* Flanged

# 790

## DOUBLE COMPRESSION FITTING, ELBOW



Ø			CODE	€
1/2"	40	1	790A5003	96,60
3/4"	20	1	790A5004	106,25
1"	15	1	790A5005	126,40
1 1/4"	10	1	790A5006	165,30
1 1/2"	6	1	790A5007	215,15
2"	4	1	790A5008	338,50
* 2 1/2"	2	1	790A5009	470,35
* 3"	2	1	790A500A	595,55

# 730

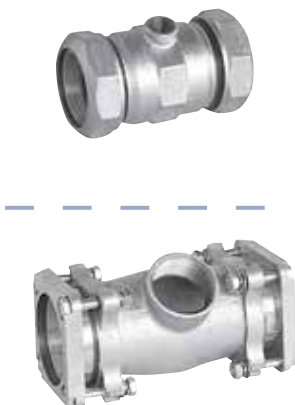
## DOUBLE COMPRESSION FITTING, TEE



Ø			CODE	€
1/2"	30	1	730A5003	79,00
3/4"	20	1	730A5004	97,25
1"	15	1	730A5005	117,90
1 1/4"	10	1	730A5006	153,15
1 1/2"	6	1	730A5007	193,85
2"	4	1	730A5008	237,00
* 2 1/2"	2	1	730A5009	325,10
* 3"	2	1	730A500A	412,00

# 730R

## DOUBLE COMPRESSION FITTING, REDUCING TEE



Ø			CODE	€
3/4" x 1/2"	20	1	730A5434	103,90
1" x 1/2"	15	1	730A5535	123,35
1" x 3/4"	15	1	730A5545	123,35
1 1/4" x 1/2"	10	1	730A5636	158,00
1 1/4" x 3/4"	10	1	730A5646	158,00
1 1/4" x 1"	10	1	730A5656	158,00
1 1/2" x 1/2"	6	1	730A5737	218,75
1 1/2" x 3/4"	6	1	730A5747	218,75
1 1/2" x 1"	6	1	730A5757	218,75
1 1/2" x 1 1/4"	6	1	730A5767	218,75
2" x 1/2"	4	1	730A5838	279,55
2" x 3/4"	4	1	730A5848	279,55
2" x 1"	4	1	730A5858	279,55
2" x 1 1/4"	4	1	730A5868	279,55
2" x 1 1/2"	4	1	730A5878	279,55
* 2 1/2" x 2"	2	1	730A5989	486,15
* 3" x 2"	2	1	730A5A8A	721,35


GALVANIZED

\* Fanged

# 710

## LONG REPARATION CLAMP




Ø			CODE	€
1/2"	17	1	71005003	57,10
3/4"	13	1	71005004	61,85
1"	11	1	71005005	73,15
1 1/4"	9	1	71005006	91,75
1 1/2"	7	1	71005007	101,35
2"	5	1	71005008	122,75
2 1/2"	4	1	71005009	158,00
3"	2	1	7100500A	195,70
4"	1		7100500C	267,40

# 715

## SHORT REPARATION CLAMP




Ø			CODE	€
1/2"	40	1	71505003	28,70
3/4"	30	1	71505004	31,95
1"	20	1	71505005	40,60
1 1/4"	16	1	71505006	54,20
1 1/2"	11	1	71505007	61,60
2"	8	1	71505008	77,80

# 720

## INTAKE CLAMP



Ø			CODE	€
1/2" x 1/2"	35	1	72005033	34,05
3/4" x 1/2"	30	1	72005043	39,25
1" x 1/2"	23	1	72005053	49,20
1 1/4" x 3/4"	14	1	72005064	56,90
1 1/2" x 3/4"	10	1	72005074	66,00
2" x 1"	8	1	72005085	83,50

 GALVANIZED



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