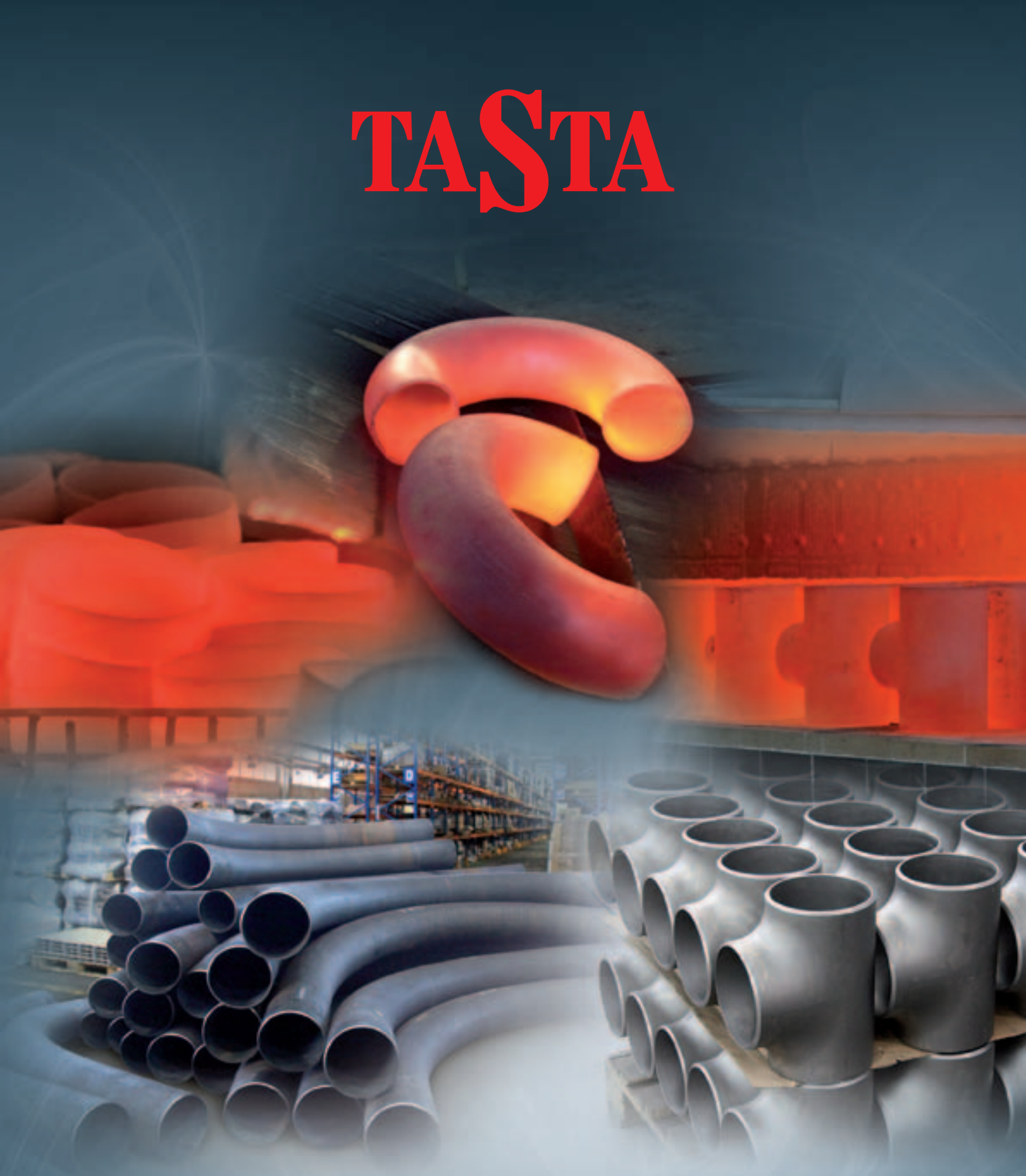
TASTA



PRODUCTION PROGRAM

TASTA RACORDURI SRL
Importator pt. ROMANIA
www.tasta.com.ro

Production program of tees

Our company initiated new production lines for seamless straight and reducing tees with hydroforming method, and also innovative method of hot forging in matrix. Designed technology was approved by UDT, we posses Quality Managemenet System for conformity with PED 97/23/EC.

Below table describes dimension range of tees produced acc. to EN 10253-2.
We produce also tees acc. to ANSI B16.9 from 1/2"÷12" in series STD, SCH40, XS.

Nominal dimension	External diameter	Series of wall thickness T				Nominal dimension	External diameter	Height	
DN	D	2	3	4	5	DN1	D1	F	G
15	21,3	2,0	2,6	3,2		**15**	21,3	25	25
20	26,9	2,3	2,6	3,2	4,0	**15**	21,3	29	29
						20	26,9		
25	33,7	2,6	3,2	4,0	4,5	**15**	21,3	38	38
						20	26,9		
						25	33,7		
32	42,4	2,6	3,6	4,0	5,0	**15**	21,3	48	48
						20	26,9		
						25	33,7		
						32	42,4		
40	48,3	2,6	3,6	4,0	5,0	**15**	21,3	57	57
						20	26,9		
						25	33,7		
						32	42,4		
						40	48,3		
50	60,3	2,9	3,6	4,0	5,6	**20**	26,9	64	44
						25	33,7		51
						32	42,4		57
						40	48,3		60
						50	60,3		64
65	76,1	2,9	3,6	5,6	7,1	**25**	33,7	76	57
						32	42,4		64
						40	48,3		67
						50	60,3		70
						65	76,1		76
80	88,9	3,2	4,0	5,6	8,0	**32**	42,4	86	70
						40	48,3		73
						50	60,3		76
						65	76,1		83
						80	88,9		86
100	114,3	3,6	4,5	6,3	8,8	**40**	48,3	105	86
						50	60,3		89
						65	76,1		95
						80	88,9		98
						100	114,3		105
125	139,7	4,0	5,0	6,3	10,0	**50**	60,3	124	105
						65	76,1		108
						80	88,9		111
						100	114,3		117
						125	139,7		124
150	168,3	4,5	5,6	7,1	11,0	**65**	76,1	143	121
						80	88,9		124
						100	114,3		130
						125	139,7		137
						150	168,3		143
200	219,1	6,3	7,1	8,0	12,5	**100**	114,3	178	156
						125	139,7		162
						150	168,3		168
						200	219,1		178
250	273,1	6,3	8,8	10,0	12,5	**100**	114,3	216	184
						125	139,7		191
						150	168,3		194
						200	219,1		203
						250	273,1		216
300	323,9	7,1	8,8	10,0	12,5	**150**	168,3	254	219
						200	219,1		229
						250	273,1		241
						300	323,9		254

A physical monitoring of products and the acceptance of production is based on the following standards:

- **EN 10253-1** – Tubular fi ttings for butt welding. Part 1: Carbon steel for plastic transformation for general use without special requirements concerning inspection
- **EN 10253-2** – Tubular fi ttings for butt welding. Part 2: Non alloy and alloy ferritic steel with special requirements concerning inspection

In tees production, we make use of material meeting the requirements of proper standard specifications: PN-EN, DIN. These are steel and the requirements included in standards:

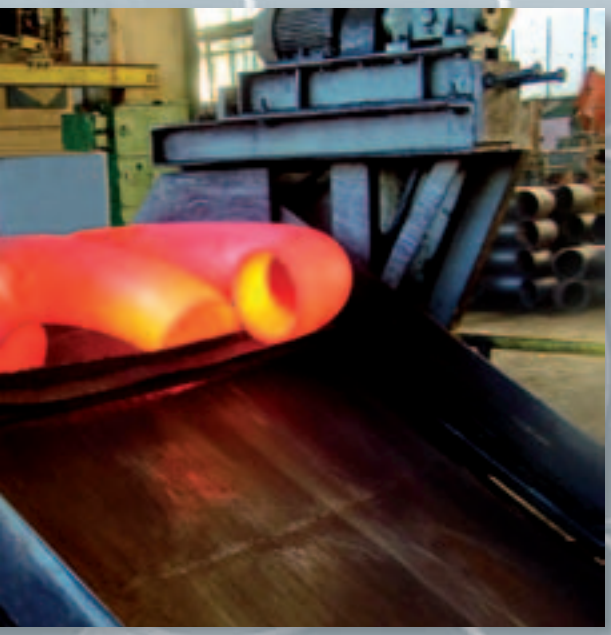
- **EN 10216-1** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 1: Unalloyed steel pipes with required properties in room temperature.
- **EN 10216-2** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 2: Unalloyed steel pipes and alloyed steel pipes with required properties in elevated temperature.
- **EN 10216-3** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 3: Alloyed fine-grained steel pipes.
- **EN 10216-4** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 4: Unalloyed steel pipes and alloyed steel pipes with required properties in lowered temperature.
- **EN 10208** – Line steel pipes for combustible fl uids.
- **EN ISO3183** – Petroleum and natural gas industries. Steel pipe for pipeline transportation systems.
- For special orders materials according to different standards: **DIN, ANSI.**

The above mentioned range concerns tees, the rest of the products are described in wider range in technical catalogue and on website www.tasta.com.ro

Production program of elbows

In the year 2004 we launched the production of elbows with diameter up to DN500. The stock of machinery for production of elbows consists of three specialized production lines. Worked out technology has been approved by the Technical Supervision Office (UDT), we possess Quality Management System certified by notified unit UDT-CERT for conformity with pressure directive PED 97/23.

No.	Diameter DN/Dz	Type	Wall thickness (type 3D)											
1	**15/21,3**	3D	2,3	2,6	2,9	3,2	3,6	4	4,5	5,6	6,3			
2	**20/26,9**	2D, 3D	2,3	2,6	2,9	3,2	3,6	4	4,5	5,6	6,3	6,3		
3	**25/33,7**	2D, 3D	2,6	2,9	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10
4	**32/38,0**	3D	2,6	2,9	3,2	3,6	4	4,5	5					
5	**32/42,4**	2D, 3D	2,6	2,9	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10
6	**40/44,5**	3D	2,6	2,9	3,2	3,6	4	4,5	5					
7	**40/48,3**	2D, 3D	2,6	2,9	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10
8	**50/57,0**	3D	2,9	3,2	3,6	4	4,5	5	6,3	7,1	8			
9	**50/60,3**	2D, 3D	2,9	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10	12,5
10	**65/76,1**	2D, 3D	2,9	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10	12,5
11	**80/88,9**	2D, 3D	3,2	3,6	4	4,5	5	5,6	6,3	7,1	8	10	12,5	
12	**100/108**	3D	3,6	4	4,5	5	5,6	6,3	7,1	8	10			
13	**100/114,3**	2D, 3D	3,6	4,5	5	5,6	6,3							
14	**125/133,0**	3D	4,5	5,6	6,3									
15	**125/139,7**	3D	4	5	5,6	6,3								
16	**150/159,0**	3D	4,5	5	5,6	6,3								
17	**150/168,3**	2D, 3D	4,5	5,6	6,3	7,1								
18	**200/219,1**	2D, 3D	6,3	7,1	8	10	12,5	16						
19	**250/273,0**	3D	6,3	7,1	8	10								
20	**300/323,9**	3D	7,1	8	10	12,5	16							
21	**350/355,6**	3D	8	10										
22	**400/406,4**	3D	8	8,8	10	12,5								
23	**450/457,0**	3D	10											
24	**500/508,0**	3D	10	11										



A physical monitoring of products and the acceptance of production is based on the following standards:

- **EN 10253-1** – Tubular fi ttings for butt welding. Part 1: Carbon steel for plastic transformation for general use without special requirements concerning inspection

- **EN 10253-2** – Tubular fi ttings for butt welding. Part 2: Non alloy and alloy ferritic steel with special requirements concerning inspection

- **DIN2605-1, DIN2605-2** – Fittings welding. Elbows

- **DIN2609** – Steel fittings for welding. Technical conditions of delivery.

In elbows production, we make use of material meeting the requirements of proper standard specifications: PN-EN, DIN. These are steel and the requirements included in standards:

- **EN 10216-1** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 1: Unalloyed steel pipes with required properties in room temperature.

- **EN 10216-2** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 2: Unalloyed steel pipes and alloyed steel pipes with required properties in elevated temperature.

- **EN 10216-3** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 3: Alloyed fine-grained steel pipes.

- **EN 10216-4** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 4: Unalloyed steel pipes and alloyed steel pipes with required properties in lowered temperature.

- **EN 10208** – Line steel pipes for combustible fluids.

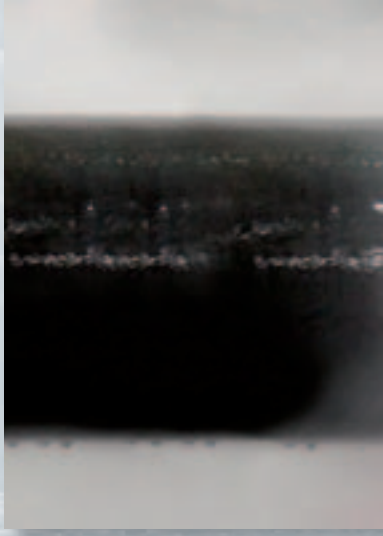
- **EN ISO3183** – Petroleum and natural gas industries. Steel pipe for pipeline transportation systems.

- For special orders materials according to different standards: **PN, DIN, ANSI.**

The above mentioned range concerns elbows, the rest of the products are described in wider range in technical catalogue and on website www.tasta.com.ro

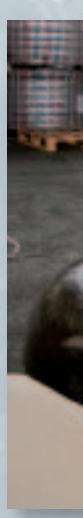
Induction bends

Bends with continuously variable bending radius made of steel pipes in range from DN125 to DN600, are made with heat induction. Production and control of the product is carried out in accordance with technical specifications defined in PN-EN 13480, BS EN 12952, and other according to customer requirements, eg DIN, ASME, GOST.



External dimension of pipe (mm) Dz	Wall thickness (mm)	Bending radius (mm)		Standard straight parts (mm)
		minimum	maximum*	
139,7	5,0 ÷ 60	480	3800	600/600
159,0	5,6 ÷ 60	480	3800	600/600
168,3	5,6 ÷ 60	480	3800	600/600
193,7	5,6 ÷ 50	480	3800	600/600
219,1	6,3 ÷ 50	550	3800	600/600
244,5	7,1 ÷ 50	600	3800	600/600
273,0	7,1 ÷ 50	650	3800	600/600
323,9	8 ÷ 50	800	3800	600/600
355,6	8 ÷ 45	900	3800	600/600
406,4	8,8 ÷ 40	1000	3800	600/600
457,0	10 ÷ 40	1150	3800	600/600
508,0	11 ÷ 35	1250	3800	600/600
610,0	12,5 ÷ 30	1500	3800	600/600

*) Range given above refers to most frequently made bends – bending radius can be increased on request.



Production technology has been approved by the Office of Technical Inspection (UDT CERT) for compliance of products with the Pressure Directive PED97/23/WE, and regulations of the Office of Technical Inspection WUDT-UC/2003.

For production we use seamless and longitudinally welded pipes, carbon steel, low alloy and alloy steel. They are steels and requirements given in standards:

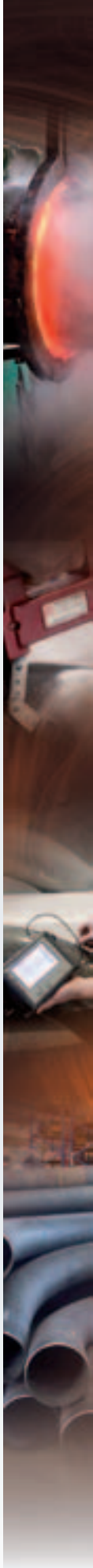
- **EN 10216-1** – Seamless steel tubes for pressure purposes. Technical conditions of delivery. Part 1: Non-alloy steel tubes with required properties at room temperature.
- **EN 10216-2** – Seamless steel tubes for pressure purposes. Technical conditions of delivery. Part 2: Pipes made of unalloyed and alloyed steel with required properties at elevated temperatures.
- **EN 10216-3** – Seamless steel tubes for pressure purposes. Technical conditions of delivery. Part 3: Pipes made of low grain alloy steel.
- **EN 10216-4** – Seamless steel tubes for pressure purposes. Technical conditions of delivery. Part 4: Non-alloy and alloy steel tubes with required properties at low temperature.
- **EN 10216-5** – Seamless steel tubes for pressure purposes. Technical conditions of delivery. Part 5: Pipes made of corrosion-resistant steel.
- **EN 10217-1** – Welded steel tubes for pressure purposes. Technical conditions of delivery. Part 2: Non-alloy steel tubes with specified properties at room temperature.
- **EN 10217-2** – Welded steel tubes for pressure purposes. Technical delivery conditions. Part 2: Pipes made of unalloyed and alloyed steel electrically welded with specified properties at elevated temperature.
- **EN 10217-3** – Welded steel tubes for pressure purposes. Technical conditions of delivery. Part 3: Pipes made of low grain alloy steel.
- **EN 10208** – Steel tubes for combustible media.
- **EN ISO3183** – Petroleum and natural gas industries. Steel pipe for pipeline transportation systems.

On special order bends can be done with materials according to other standards: ISO, DIN, ANSI.

All our products are delivered together with control's documentation, issued in accordance with applicable standards and client's requirements.

- 2.1 Declaration of conformity according to EN 10204: 2004
- 2.2 Declaration of conformity according to EN 10204: 2004
- Acceptance certificate 3.1 according to DIN EN 10204: 2004
- Acceptance certificate 3.2 according to EN 10204: 2004

Our clients can be sure that we provide the product which is made according to provisions ensuring safety of reception and using the installation.

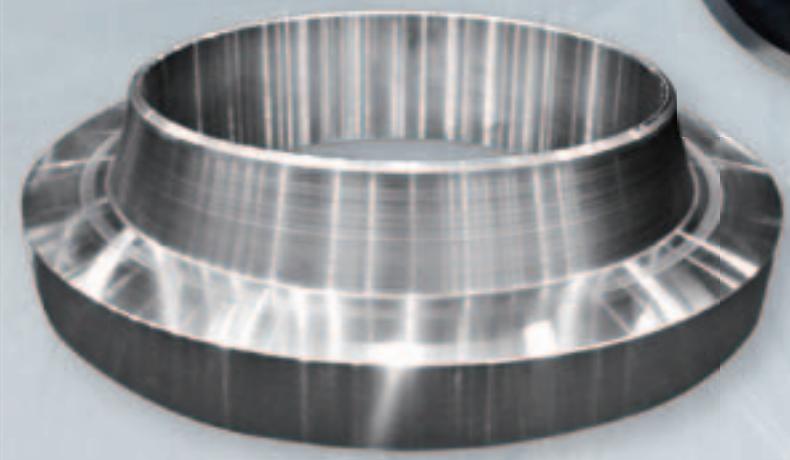


Elements for special request

Seamless fittings for installation with high parametres

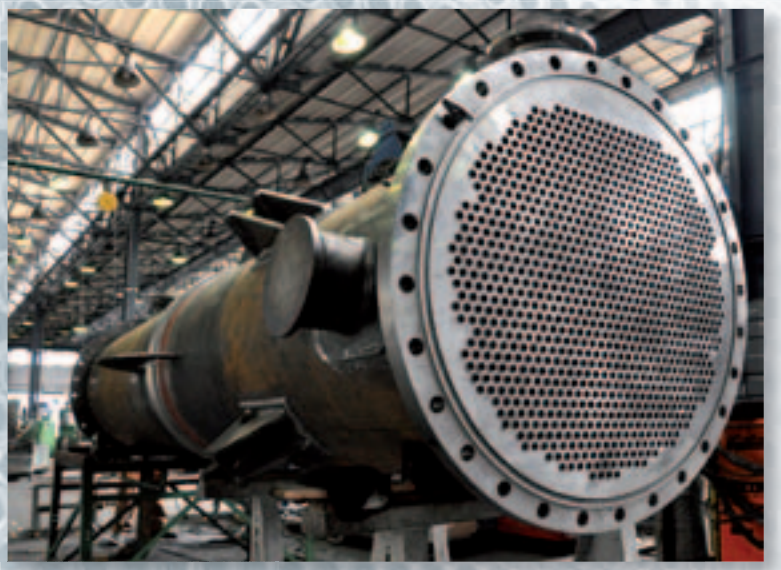
Offered tees are made of forgings meeting requirements of following standards:
PN-EN 10222, PN-EN 10243-1, PN-EN 10254.
For offered goods there will be given certificate 3.1 + PED 97/23.
Manufacturer possess permission UDT to produce pressure elements.
Range of dimensions DN15 ÷ DN100
Straight equal tees are made acc. to EN 10253-2 and forked tees for special order.

Tees



Rings

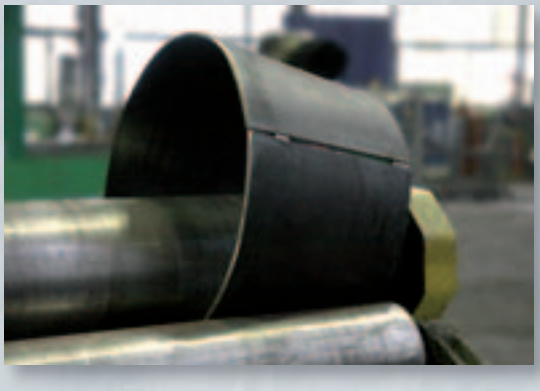
Exchangers



Exchangers

Strainer tubular walls

Carbon steel collars



TASTA Zakład Mechaniczny

– Purpose of production

In the structures of our company functions also Zakład Mechaniczny TASTA Sp. z o.o., dealing with production of steel elements of industrial fittings: steel flanges, reducers, screwed nipples, caps and welded elements from steel pipes. This plant continuously being developed, introduces new solutions and launches new positions practically every year. We notice especially important roll of Zakład Mechaniczny when we realize deliveries of untypical elements, related with transformation of products or matching to technical requirements of elements on special orders.

Plant ZM TASTA possesses the Certificate on The Quality Management System conforming with ISO 9001: 2000 confirmed by Lloyd's Register Quality Assurance, as well as Certificate to attest that produced elements fulfil requirements of Pressure Directive 97/23/EC.

It produces such products like:

- Circular flat flanges for welding
- Neck flanges for welding
- Circular blind flanges
- Circular flat threaded flanges
- Loose flanges with rings for welding
- Steel symmetrical reducers
- Ellipsoidal steel caps
- Screwed nipples
- Bends
- Welded elements from pipes and rolled of sheet, among other things reducers and tees.

A batch are sheet metals, pipes, forged objects from reputed national and foreign producers or materials entrusted by the Customer.
We produce our products in compliance with guidelines of standards harmonised with directives of new approach. In the set of standards related with directive PED 97/23 there is determined list of steels approved for usage in accordance with obligatory regulations in pressure equipments. Those steels are found in our production program: P235GH, P245GH, P265GH, P280GH, P355NL1, 16Mo3, 13CrMo4-5, P355NH, P355QH, L360NB and other grades harmonized with directive.

Under equipments not dependent to directive, we offer products in grades S235JR, S235, S355J2. Besides we offer our products in convertible grades according to standards DIN: C22.8, 15Mo3, 13CrMo44, St35.8 I; St45.8 I; St52.0; St37.0

Zakład Mechaniczny TASTA Sp. z o.o. can produce articles according to individual agreements with the Customer, not formulated in production program.

Production program of steel reducers

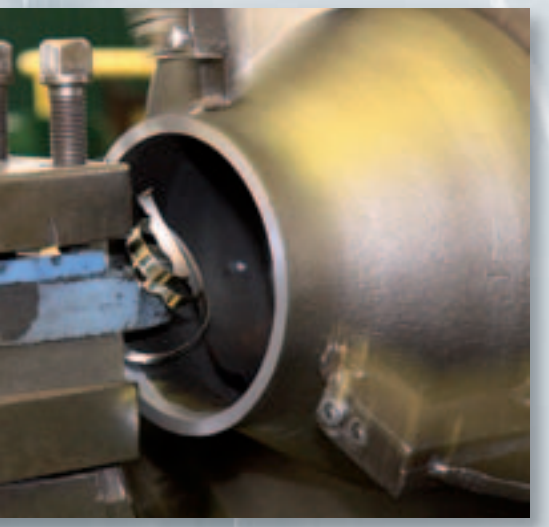
Dimensions of produced reducers conform with EN 10253-1, PN-EN10253-2 type A and type B and according to DIN 2616 – part II. Zakład Mechaniczny TASTA Sp. z o.o. is technically and technologically prepared for production of reducers in all range of grades of steel according to local and foreign standards.

List of most often produced reducers DN20 ÷ DN500

No.	Size of reducer	
	Bigger diameter of reducer	Lower diameter of reducer
1.	26,9 x 2,3	21,3 x 2,0
2.	33,7 x 2,6	26,9 x 2,3
3.		21,3 x 2,0
4.	42,4 x 2,6	33,7 x 2,6
5.		26,9 x 2,3
6.		21,3 x 2,0
7.	48,3 x 2,6	42,4 x 2,6
8.		33,7 x 2,6
9.		26,9 x 2,3
10.		21,3 x 2,0
11.	57,0 x 2,6	48,3 x 2,6
12.		42,4 x 2,6
13.		33,7 x 2,6
14.		26,9 x 2,3
15.	60,3 x 2,9	57,0 x 2,6
16.		48,3 x 2,6
17.		42,4 x 2,6
18.		33,7 x 2,6
19.		26,9 x 2,3
20.		21,3 x 2,0
21.	76,1 x 2,9	60,3 x 2,9
22.		57,0 x 2,6
23.		48,3 x 2,6
24.		42,4 x 2,6
25.		33,7 x 2,6
26.	88,9 x 3,2	76,1 x 2,9
27.		60,3 x 2,9
28.		57,0 x 2,6
29.		48,3 x 2,6
30.		42,4 x 2,6
31.		33,7 x 2,6

L.p.	Size of reducer	
	Bigger diameter of reducer	Lower diameter of reducer
32.	108,0 x 3,6	88,9 x 3,2
33.		76,1 x 2,9
34.		60,3 x 2,9
35.		57,0 x 2,6
36.		48,3 x 2,6
37.	114,3 x 3,6	108,0 x 3,6
38.		88,9 x 3,2
39.		76,1 x 2,9
40.		60,3 x 2,9
41.		48,3 x 2,6
42.	133,0 x 4,0	114,3 x 3,6
43.		108,0 x 3,6
44.		88,9 x 3,2
45.		76,1 x 2,9
46.	139,7 x 4,0	133,0 x 4,0
47.		114,3 x 3,6
48.		108,0 x 3,6
49.		88,9 x 3,2
50.		76,1 x 2,9
51.		60,3 x 2,9
52.	159,0 x 4,5	133,0 x 4,0
53.		114,3 x 3,6
54.		108,0 x 3,6
55.		88,9 x 3,2
56.		76,1 x 2,9
57.		57,0 x 2,6

L.p.	Size of reducer	
	Bigger diameter of reducer	Lower diameter of reducer
58.	168,3 x 4,5	159,0 x 4,5
59.		139,7 x 4,0
60.		133,0 x 4,0
61.		114,3 x 3,6
62.		108,0 x 3,6
63.		88,9 x 3,2
64.		76,1 x 2,9
65.		60,3 x 2,9
66.	193,7 x 5,6	168,3 x 4,5
67.		139,7 x 4,0
68.		114,3 x 3,6
69.		88,9 x 3,2
70.	219,1 x 6,3	168,3 x 4,5
71.		159,0 x 4,5
72.		139,7 x 4,0
73.		133,0 x 4,0
74.		114,3 x 3,6
75.		108,0 x 3,6
76.		88,9 x 3,2
77.	273,0 x 6,3	219,1 x 6,3
78.		168,3 x 4,5
79.		159,0 x 4,5
80.		139,7 x 4,0
81.		114,3 x 3,6
82.	323,9 x 7,1	273,0 x 6,3
83.		219,1 x 6,3
84.		168,3 x 4,5
85.	355,6 x 8,0	323,9 x 7,1
86.		273,0 x 6,3
87.		219,1 x 6,3
88.	406,4 x 8,8	355,6 x 8,0
89.		323,9 x 7,1
90.		273,0 x 6,3
91.	508,0 x 11	406,4 x 8,8
92.		355,6 x 8,0
93.		323,9 x 7,1



Zakład Mechaniczny TASTA Sp. z o.o. has possibillities to produce reducers with any wall thickness according to DIN 2616, EN 10253-1, EN 10253-2 standard making use of above mentioned sorts of materials or according to individual agreements with Client. The conditions of delivery (raw, normalized, recrystallized) is depended on conditions of an order and material.

For production we make use of materials meeting the requirements of proper standard specifications: PN-EN, DIN.

These are steel and the requirements included in standards:

- **EN 10216-1** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 1: Unalloyed steel pipes with required properties in room temperature.
- **EN 10216-2** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 2: Unalloyed steel pipes and alloyed steel pipes with required properties in elevated temperature.
- **EN 10216-3** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 3: Alloyed fine-grained steel pipes.
- **EN 10216-4** – Steel seamless tubes for pressure purposes. Technical conditions of delivery. Part 4: Unalloyed steel pipes and alloyed steel pipes with required properties in lowered temperature.
- **EN 10216-5** – Steel seamless tubes for pressure purposes. Technical conditins of delivery. Part 4: Pipes of steel resistant on corrosion.
- **EN 10208** – Line steel pipes for combustible fl uids .
- **EN ISO3183** – Petroleum and natural gas industries. Steel pipe for pipeline transportation systems.

For special orders materials according to different standards: **PN, DIN, ANSI.**

General purpose of production - steel flanges

Dimensions of produced flanges are conforming with standards invoked in the order by the Customer. Most often produced flanges fulfill requirements of following standards:

- EN 1092-1
- EN 1759-1
- DIN2631 ÷ 38, DIN2566
- ANSI B16.5 kl. 150 ÷ 1500lbs

List of most often produced flanges

Flange	Nominal pressure	Range of diameters DN
Neck for welding	0,25MPa ÷ 40 MPa	15 ÷ 2000
Flat for welding	0,25 MPa ÷ 40 MPa	15 ÷ 2600
Blind	0,25 MPa ÷ 40 MPa	15 ÷ 2000
Flat threaded	0,63 MPa ÷ 4 MPa	15 ÷ 150
Loose with rings for welding	0,25 MPa ÷ 4 MPa	15 ÷ 2600

Zakład Mechaniczny TASTA Sp. z o.o. is technically and technologically prepared for production of flanges in whole range of grades of steel according to local and foreign standards.

Most often used grades of steel recommended for production of flanges by standard PN-EN 1092-1:

- P265GH – wg EN 10208-2
- 16Mo3, 13CrMo4-5 – wg EN 10028-2, EN 10222-2
- P245GH, P280GH – wg EN 10222-2
- P355NL1, P355NL2 – wg EN 10028-3
- P355NH – wg EN 10028-3, EN 10222-4
- S235, S355 – wg EN 10025-2

Production program – steel caps

Dimensions of produced caps are consistent with EN 10253-2, DIN 2617, DIN 28013 standards. Zakład Mechaniczny TASTA Sp. z o.o. is technically and technologically prepared for producing caps in whole range of steel grades according to domestic and foreign standards. Below we present the list of most often produced caps DN15 ÷ DN500.

No.	Nominal dimension	External dimension	Wall thickness		
	DN	d_a	s_a	s_a	s_a
1	15	21,3	2,0	3,2	4,0
2	20	26,9	2,3	3,2	4,0
3	25	33,7	2,6	3,2	4,0
4	32	42,4	2,6	3,6	4,0
5	40	48,3	2,6	4,0	5,0
6	50	57,0	2,9	-	-
7	50	60,3	2,9	4,5	5,6
8	65	76,1	2,9	5,0	7,1
9	80	88,9	3,2	5,6	8,0
10	100	108,0	3,6	-	-
11	100	114,3	3,6	6,3	8,8
12	125	133,0	4,0	-	-
13	125	139,7	4,0	6,3	10,0
14	150	159,0	4,5	-	-
15	150	168,3	4,5	7,1	11,0
16	200	219,1	6,3	8,0	12,5
17	250	273,0	6,3	8,8	14,2
18	300	323,9	7,1	10,0	16,0
19	400	406,4	8,8	10,0	12,5
20	500	508,0	10	11,0	12,5
21	600	610,0	10	12,5	-

The condition of delivery (raw, normalized) is depended on conditions of an order.

Most often used grades of steel for production of caps:

- S235, S355 – according to EN 10025-2
- P265GH, 16Mo3, 13CrMo4-5 – according to EN 10028-2
- P355NL1, P355NL2 – according to EN 10028-3
- P355NH – according to EN 10028-3
- Other grades can be agreed

Collared and welded elements

Dimensions of performed elements are conforming with standards or requirements called in the order by the Customer. Zakład Mechaniczny TASTA Sp. z o.o. is technically and technologically prepared for production of collared and welded elements in whole range of grades of steel according to local and foreign standards. We offer scrolling of sheet metals with thickness up to 20 mm, width 3000 mm and diameter above DN300, on rollers. We make dependent the thickness of scrolling on the shape of element and its length.

We offer realization of any welded constructions according to customer's drawing. We produce these elements from sheet metals in grades:

- S235, S355 according to EN 10025-2,
- P265GH, 16Mo3, 13CrMo4-5 according to EN 10028-2,
- P355NL1, P355NL2 according to EN 10028-3,
- P355NH according to EN 10028-3,

other grades can be agreed.

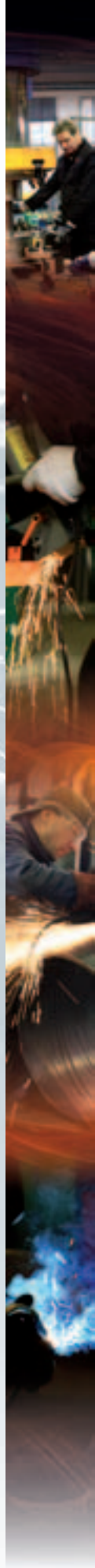
For elements welded from pipes there are used grades according to before referred standards EN-PN or other eg. DIN.

Besides we offer services within the range of:

- **Machinings:**
  – grinding on turning machines within the range of diameters up to 3200 mm,
  – drilling holes on radial drill up to Ø 50 mm.

- **Plastic refinement:**
  – bending of pipes,
  – cutting of sheet metals on guillotine up to 12 mm and width of cutting 3000 mm,
  – forming of elements on hydraulic presses with pressure up to 400T,
  – dinking of elements on off-centered press with pressure 160T.

- **Welding:**
  – possibility of welding of materials from carbon steel with arcual method using coated electrode or TIG, MAG method,
  – cutting with oxygen.



Quality Management System and possessed Certificates

Quality features of our products are checked by independent and competent personnel. For quality assessment of our products we use also services of Research and Experimental Laboratory (HSW-ZHM Sp. z o.o.), which has II degree authorization of UDT-Department of Technical Supervision (L-II 155/22).

Our products are delivered with reliable control's documentation consistent with Client's demands. We issue following types of control documents:

- Quality declaration 2.1 acc. to EN 10204: 2004
- Test report 2.2 acc. to EN 10204: 2004
- Inspection certificate 3.1 acc. to EN 10204: 2004
- Inspection certificate 3.2 acc. to EN 10204: 2004. In case of receipt of II degree by Classification Society or a Person who represent an ordering company, the choice is made by Client
- Conformity declaration acc. to EN ISO/IEC 17050-1.

Guarantee of complying with quality requirements is possessing by our company:

- Certificate of Quality Management System acc. to ISO 9001:2000
- Certificate of complying with Pressure Equipment Directive 97/23/EC
- Authorization of Department of Technical Supervision to produce elements of pressure and unpressure equipment
- Permission of Inspectorate of Technical Supervision in Rzeszów for carrying material symbols onto elements of instruments, which are under technical supervision produced in mechanical processing.

We have a full consciousness that the customer entirely consists in our products. Quality management system ensures safety of deliveries and it assures the Customer that he will receive product conforming with his order, best quality, fully filling requirements placed by standards.

Improving incessantly existing solutions and procedures, we strive after convince our customers of that our company is a reliable and fair partner and the growing needs of our clients constitute the core of our activity.

TASTA

The range of offered products

- Straight and reducing seamless tees in range of diameters DN15 ÷ DN300.
- Seamless elbows in range of diameters DN15 ÷ DN600, and welded above diameter DN600.
- Bends with different radius of bending, from pipes in range of diameters DN25 ÷ DN600.
- Concetrical and eccentrical seamless steel reducers in range of diameters DN20 ÷ DN500. and rolled of sheet above diameter DN350.
- Steel caps in range of diameters DN20 ÷ DN600.
- Different types of steel flanges according to standards EN, DIN and ANSI in range of diameters DN15 ÷ DN2600.
- Screwed nipples and welding sockets.
- Line and precise pipes.
- Cooperation elements acc. to client's drawing.