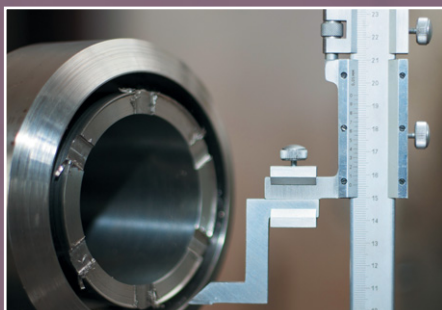
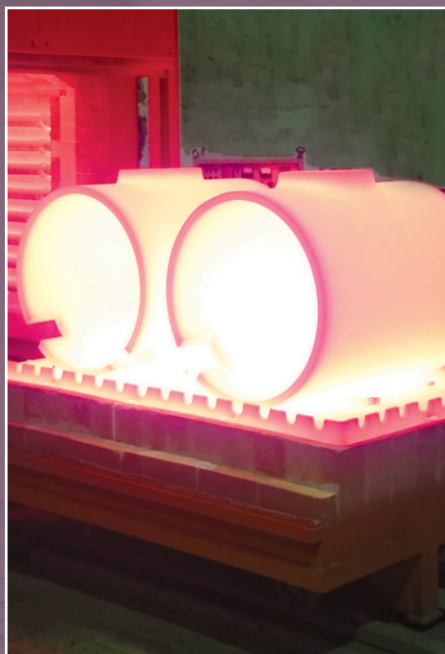




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**Parts and assembly units
for high-pressure pipelines
of austenitic and pearlitic steels**







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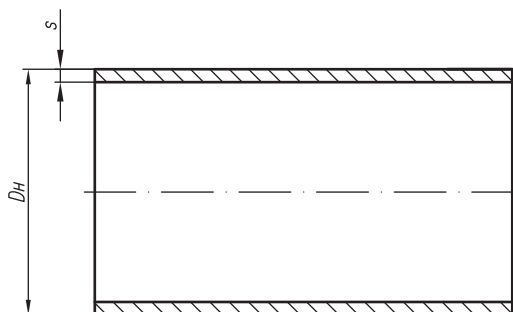
Joint Stock Company «ATM PIPING & FITTINGS» is one of the leading manufacturers and suppliers of high and low pressure pipelines for nuclear power plants. In addition, our company manufactures products for thermal power plants, as well as gas and petrochemical enterprises, the JSC «ATM» is part of the group of companies «Atomenergomash» of the Engineering Division of the State Corporation «ROSATOM».

The history of our company began in 2001 and already by 2008, the JSC «ATM» has established itself as a responsible and reliable manufacturer and supplier of parts and assembly units for pipelines for NPP and TPP. Currently, the production facilities of the JSC «ATM» are located on two sites: in the city of Udomlya in the Tver region and in the city of Volgodonsk in the Rostov region.

Since 2013, the JSC «ATM» has been actively introducing the Rosatom Production System, which allows our company to manufacture high-quality and competitive products as soon as reasonably possible.

This catalogue includes parts and assembly units of high pressure pipelines of austenitic and pearlitic steel grades manufactured by the JSC «ATM» in accordance with industry standards, as well as non-standard pipeline parts according to drawings developed by the JSC «ATM». Designs of all non-standard parts are confirmed by strength calculations carried out by specialized institutions.

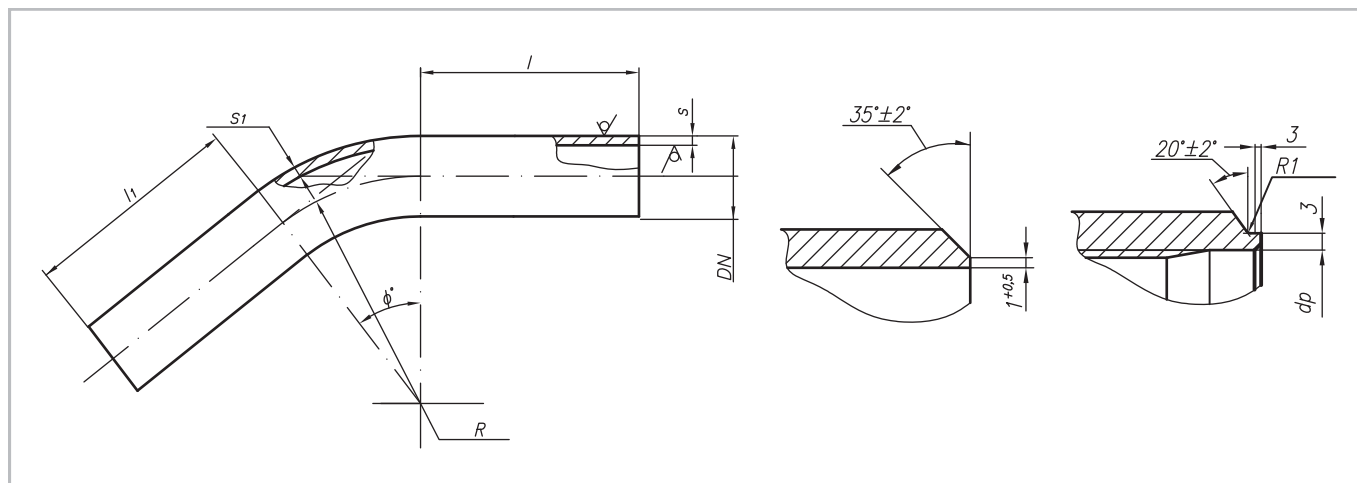
Pipes deliverable by lineal meters (OST 24.125.01–89)



Nominal inside diameter (DN)	Dimensions of pipes		Steel grade	TU for pipes procurement
	Дн	С		
10	14	2	08X18H10T	TU 14-3P-197-2001
15	18	2,5		
20	25	3		
25	32	3,5		
32	38			
50	57	4		
		5,5		
65	76	4,5		
		7		
80	89	5		
		8		
100	108	5		
		7		
		9		
80	133	12		
125		6		
		8		
		11		
100	159	14		
150		6,5		
		9		
		13		
125	219	17		
200		12		
200		220	8	
	245	19		
250	273	11		
		20		
300	325	12		
		16		

Note: The pipes not specified in the assortment of OST 24.125.01–89 are supplied in accordance with the dimensions specified in TU 14-3P-197-2001

Curved bends (elbows)



Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade	
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.												
OST 24.125.03-89	01	1	10	14x2	100	-	1,5	100	100	15°	08X18H10T	
	02									30°		
	03									45°		
	04									60°		
	05									90°		
	06		15	18x2,5	100		1,8			100		15°
	07											30°
	08											45°
	09											60°
	10											90°
	11		20	25x3	150		2,2			200		15°
	12											30°
	13											45°
	14											60°
	15											90°
	16		25	32x3,5	200		2,6			200		15°
	17											30°
	18											45°
	19											60°
	20											90°
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.												
OST 24.125.03-89	21	1	32	38x3,5	150	-	3,0	200	200	15°	08X18H10T	
	22									30°		
	23									45°		
	24									60°		
	25									90°		

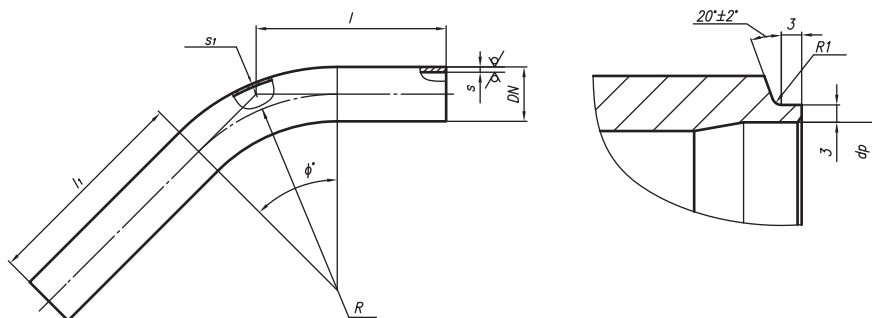
Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
OST 24.125.03-89	26	1	32	38x3,5	150	-	2,6	200	200	15°	08X18H10T
	27									30°	
	28									45°	
	29									60°	
	30									90°	
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.											
OST 24.125.03-89	31	2	50	57x5,5	300	47	4,2	200	200	15°	08X18H10T
	32									30°	
	33									45°	
	34									60°	
	35									90°	
	36		65	76x7	63	5,6	200	200	15°		
	37								30°		
	38								45°		
	39								60°		
	40								90°		
	41	80	89x8	400	74	6,5	200	200	15°	08X18H10T	
	42								30°		
	43								45°		
	44								60°		
	45								90°		
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
OST 24.125.03-89	46	3	50	57x4	300	50	3,0	200	200	15°	08X18H10T
	47									30°	
	48									45°	
	49									60°	
	50									90°	
	51	2	65	76x4,5	68	3,3	200	200	15°		
	52								30°		
	53								45°		
	54								60°		
	55								90°		
	56		80	89x5	400	80	3,7	200	200	15°	
	57									30°	
	58									45°	
	59									60°	
	60									90°	

Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade	
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.												
OST 24.125.04-89	01	1	80	108x12	325	88	8,3	500-2300	1300	15°	08X18H10T	
	02									30°		
	03									45°		
	04									60°		
	05									90°		
	06									15°		
	07	2	100	133x14	400	109	10,2	500-2300	1300	30°		
	08									45°		
	09									60°		
	10									90°		
	11									15°		
	12									30°		
	13	2	125	159x17	475	130	12,2	500-2300	1300	45°		
	14									60°		
	15									90°		
P = 13,73 MPa, t = 335°C.												
OST 24.125.04-89	16	1	100	108x9	325	93	6,2	500-2300	1300	15°	08X18H10T	
	17									30°		
	18									45°		
	19									60°		
	20									90°		
	21									15°		
	22	2	125	133x11	400	114	7,7	500-2300	1300	30°		
	23									45°		
	24									60°		
	25									90°		
	26									15°		
	27									30°		
	28	2	150	159x13	475	137	9,2	500-2300	1300	45°		
	29									60°		
	30									90°		
OST 24.125.04-89	31	2	200	245x19	850	212	14,3	500-2300	1300	15°	08X18H10T	
	32									30°		
	33									45°		
	34									60°		
	35									90°		
	36									15°		
	37		2	250	273x20	900	236	16.0	500-2300	1300		30°
	38											45°
	39											60°
	40											90°

Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.											
OST 24.125.04-89	41	1	100	108x7	500	97	4,4	500-2300	1300	15°	08X18H10T
	42									30°	
	43									45°	
	44									60°	
	45									90°	
	46		125	133x8	400	120	4,9			15°	
	47									30°	
	48									45°	
	49									60°	
	50									90°	
	51	3	150	159x9	475	143	5,9			15°	
	52									30°	
	53									45°	
	54									60°	
	55									90°	
	56		200	219x12	1000	199	8,6			15°	
	57									30°	
	58									45°	
	59									60°	
	60									90°	
	61	300	325x16	1000	297	11,9	15°				
	62						30°				
	63						45°				
	64						60°				
	65						90°				
P = 3,92 MPa, t = 450°C; P = 3,92 MPa, t = 200°C.											
OST 24.125.04-89	66	1	150	159x6,5	475	149	3,1	500-2300	1300	15°	08X18H10T
	67									30°	
	68									45°	
	69									60°	
	70									90°	
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
OST 24.125.04-89	71	1	100	108x5	500	100	2,5	500-2300	1300	15°	08X18H10T
	72									30°	
	73									45°	
	74									60°	
	75									90°	
	76									15°	
	77				200	3,5	30°				
	78						45°				
	79						60°				
	80						90°				

Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
OST 24.125.04-89	81	1	125	133x6	600	124	3,0	500-2300	1300	15°	08X18H10T
	82									30°	
	83									45°	
	84									60°	
	85									90°	
	86				15°						
	87				30°						
	88				45°						
	89				60°						
	90				90°						
	91	1	150	159x6,5	300	149	4,0			15°	
	92									30°	
	93									45°	
	94									60°	
	95									90°	
	96		200	220x8	1000	208	4,8			15°	
	97									30°	
	98									45°	
	99									60°	
	100									90°	
	101		250	273x11	900	255	7,0			15°	
	102									30°	
	103									45°	
	104									60°	
	105									90°	
	106		300	325x12	1000	305	7,3			15°	
	107									30°	
	108									45°	
	109									60°	
	110									90°	

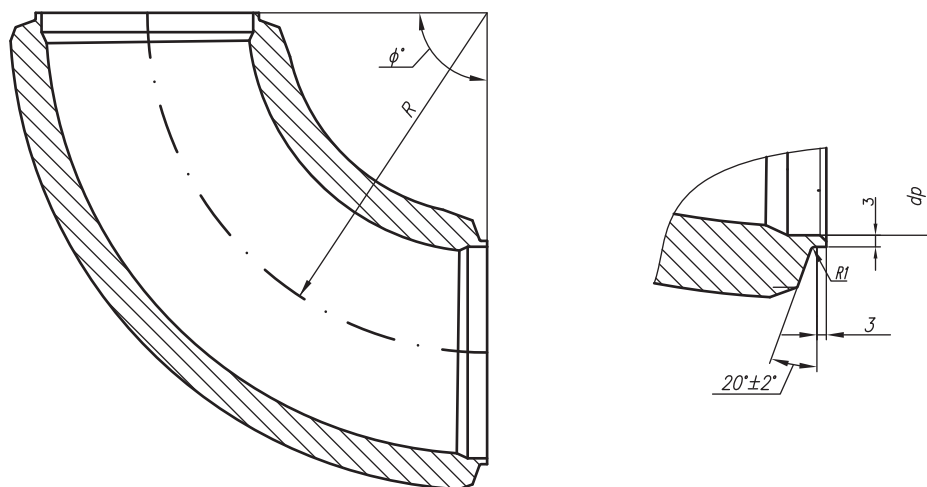
Sharply curved bends (elbows)



Indexing	Modification	Nominal inside diam. DN	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.										
OST 24.125.05-89	01	50	57x5,5	200	47	3,9	200	200	15°	08X18H10T
	02								30°	
	03								45°	
	04								60°	
	05								90°	
P = 17,66 MPa, t = 360°C.										
OST 24.125.05-89	06	65	76x7,0	200	63	5,1	200	200	15°	08X18H10T
	07								30°	
	08								45°	
	09								60°	
	10								90°	
	11	80	89x8,0		74	5,8	200	200	15°	08X18H10T
	12								30°	
	13								45°	
	14								60°	
	15								90°	
P = 13,73 MPa, t = 335°C.										
OST 24.125.05-89	16	65	76x7,0	200	63	4,7	200	200	15°	08X18H10T
	17								30°	
	18								45°	
	19								60°	
	20								90°	
	21	80	89x8,0		74	5,2	200	200	15°	
	22								30°	
	23								45°	
	24								60°	
	25								90°	
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.										
OST 24.125.05-89	26	65	76x4,5	200	68	2,8	200	200	15°	08X18H10T
	27								30°	
	28								45°	
	29								60°	
	30								90°	
	31	80	89x5,0		80	3,3	200	200	15°	
	32								30°	
	33								45°	
	34								60°	
	35								90°	

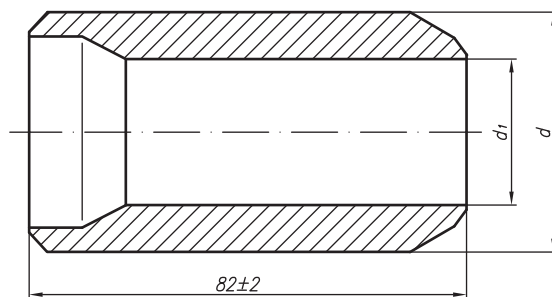
Indexing	Modification	Fig.	Nominal inside diam. (DN)	DHxS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade					
P = 13,73 MPa, t = 335°C.																
OST 24.125.06–89	01	1	100	108x9	200	93	5,5	500	1300	15°	08X18H10T					
	02									30°						
	03									45°						
	04									60°						
	05									90°						
	06		125	133x11		114	6,5			15°						
	07									30°						
	08									45°						
	09									60°						
	10									90°						
	11		150	159x13		250	137			7,9			15°			
	12												30°			
	13												45°			
	14												60°			
	15												90°			
	16	2	200	245x19	400	212	14,1			15°						
	17									30°						
	18									45°						
	19									60°						
	20									90°						
	21		250	273x20	450	236	15,7			15°						
	22									30°						
	23									45°						
	24									60°						
	25									90°						
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.																
OST 24.125.06–89	26	1	200	219x12	375	199	8,0	850	1300	15°	08X18H10T					
	27									30°						
	28									45°						
	29									60°						
	30									90°						
	31	3	300	325x16	550	297	11,9			15°						
	32									30°						
	33									45°						
	34									60°						
	35									90°						
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.																
OST 24.125.06–89	36	1	200	220x8	375	208	5,0	850	1370	15°	08X18H10T					
	37									30°						
	38									45°						
	39									60°						
	40									90°						
	41		250	273x11						15°						
	42									30°						
	43									45°						
	44									60°						
	45									90°						
	46	300	325x12							15°						
	47									30°						
	48									45°						
	49									60°						
	50									90°						

Stamped bends (elbows)



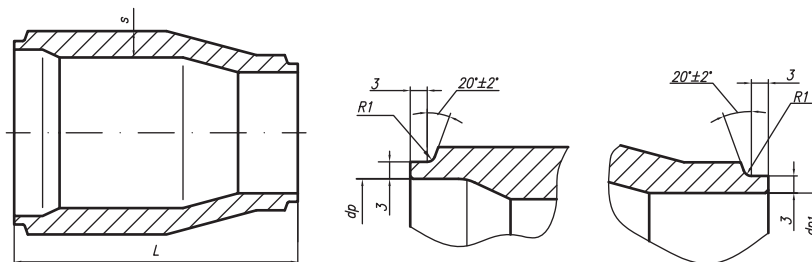
Indexing	Nominal inside diameter Dn	Dimensions of connecting pipes	dp	R	φ	Steel grade	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.							
01 OST 24.125.07-89	80	108x12	88	125	90°	08X18H10T	8,1
02 OST 24.125.07-89	100	133x14	109	175			16,5
03 OST 24.125.07-89	125	159x17	130				24,0
P = 13,73 MPa, t = 335°C.							
04 OST 24.125.07-89	100	108x9	93	125	90°	08X18H10T	8,1
05 OST 24.125.07-89	125	133x11	114	175			16,5
06 OST 24.125.07-89	150	159x13	137				24,0
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C.							
07 OST 24.125.07-89	100	108x7	97	125	90°	08X18H10T	8,1
08 OST 24.125.07-89	125	133x8	120	175			16,5
09 OST 24.125.07-89	150	159x9	143				24,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.							
10 OST 24.125.07-89	100	108x5	100	125	90°	08X18H10T	8,1
11 OST 24.125.07-89	125	133x6	124	175			16,0
P = 3,92 MPa, t = 450°C; P = 3,92 MPa, t = 200°C.							
12 OST 24.125.07-89	150	159x6,5	149	175	90°	08X18H10T	23,0
Note: The above mentioned elbows are made by bending on machines with HFC.							

Turned reducers



Indexing	Nominal inside diameter Dn		Dimensions of connecting pipes	Reducer dimensions, mm			Steel grade	Weight, kg	
	Dn	Dn ₁		d	d ₁	L			
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.									
01 OST 24.125.08-89	10	6	14x2	10x2	10	6	82±2	08X18 H10T	0,1
02 OST 24.125.08-89	15	10	18x2,5	14x2	13	10			0,14
03 OST 24.125.08-89	20		25x3		19				13
04 OST 24.125.08-89		15		18x2,5		25			
05 OST 24.125.08-89	25		32x3,5		25				19
06 OST 24.125.08-89		20		25x3		19			
07 OST 24.125.08-89	32	15	38x3,5	18x2,5	31	13			0,56
08 OST 24.125.08-89		20		25x3		19			0,54
09 OST 24.125.08-89		25		32x3		25			0,76
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.									
10 OST 24.125.08-89	50	20	57x5,5	25x3	47	19	82±2	08X18 H10T	0,72
11 OST 24.125.08-89		25		32x3,5		25			1,1
12 OST 24.125.08-89		32		38x3,5		31			0,88
P = 9,02 MPa, t = 290°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.									
13 OST 24.125.08-89	50	20	57x4	25x3	50	19	82±2	08X18 H10T	0,9
14 OST 24.125.08-89		25		32x3,5		25			078
15 OST 24.125.08-89		32		38x3,5		31			0,89
P = 13,73 MPa, t = 335°C.									
16 OST 24.125.08-89	300	200	–	–	–	–	180±5	08X18 H10T	45,0

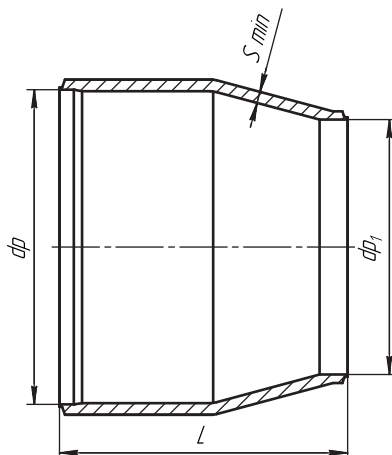
Stamped reducers



Indexing	Nominal inside diameter		Reducer dimensions, mm		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.										
01 OST 24.125.09-89	100	80	133x14	108x12	109	88	14	100	08X18H 10T	4,5
02 OST 24.125.09-89	125		159x17		130		17	140		8,3
03 OST 24.125.09-89		100	133x14	109	110	6,5				
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.										
04 OST 24.125.09-89	65	50	76x7	57x5,5	63	47	7	100	08X18H 10T	1,2
05 OST 24.125.09-89	80	65	89x8	76x7	74	63	8			140
06 OST 24.125.09-89		50		57x5,5		47		120		1,9
P = 17,66 MPa, t = 360°C.										
07 OST 24.125.09-89	80	65	108x12	76x7	88	63	12	120	08X18H1	3,5
P = 13,73 MPa, t = 335°C.										
08 OST 24.125.09-89	100	65	108x9	76x7	93	63	12	120	08X18H 10T	3,5
09 OST 24.125.09-89		80		89x8		114		74		11
10 OST 24.125.09-89	125		133x11		130		4,5			
11 OST 24.125.09-89	150	100	159x13	108x9	137	93	13	140		6,6
12 OST 24.125.09-89	250	200	273x20	245x19	236	212	20	120		15,1
13 OST 24.125.09-89	125	100	133x11	108x9	114	93	11			4,4
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.										
14 OST 24.125.09-89	65	50	76,45	57x4	68	50	7	100	08X18H 10T	1,2
15 OST 24.125.09-89	80	65	89x5	76x4,5	80	68	8			140
16 OST 24.125.09-89	80	50		57x4		120		1,9		
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.										
17 OST 24.125.09-89	100	65	108x7	76x4,5	97	68	7	120	08X18H 10T	2,2
18 OST 24.125.09-89		80		89x5		79		100		1,8
19 OST 24.125.09-89	125	100	133x8	108x7	120	97	8	140		2,5
20 OST 24.125.09-89	150		159x9		133x8	143	120	9		110
21 OST 24.125.09-89		125		120						3,7
22 OST 24.125.09-89	200	150	219x12	159x9	199	143	12	180		11,5
23 OST 24.125.09-89	300	200	325x16	219x12	297	199	16	280		34,5
P = 3,92 MPa, t = 450°C.										
24 OST 24.125.09-89	150	100	159x6,5	108x7	149	97	9	140	08X18H 10T	4,8
25 OST 24.125.09-89		125		133x8		120		110		3,8
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.										
26 OST 24.125.09-89	100	65	108x5	76x4,5	100	69	7	120	08X18H 10T	2,2
27 OST 24.125.09-89		80		89x5		80		100		1,8
28 OST 24.125.09-89	125	100	133x6	108x5	124	100	8	140		2,6
29 OST 24.125.09-89	150		159x6,5		133x6	149	124	9		110
30 OST 24.125.09-89		125		120						3,7
31 OST 24.125.09-89	200	150	220x8	159x6,5	208	149	12	180		11,5
32 OST 24.125.09-89	250	200	273x11	220x8	255	208	11	170		12,5
33 OST 24.125.09-89	300		325x12		280		34,5			
34 OST 24.125.09-89		250		273x11	305	255	16	180		22,5

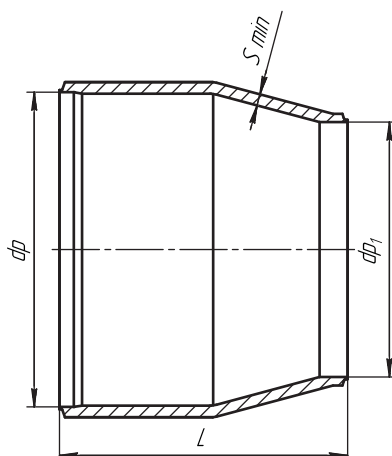
Concentric reducers

ATM.A.450x350.001



Indexing	Nominal inside diameter		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 3,2 MPa, design temperature = 238°C										
ATM.A.450x350.001	450	350	465x16	377x13	437+0,97	354+0,85	22	400	08X18H10T	65,77

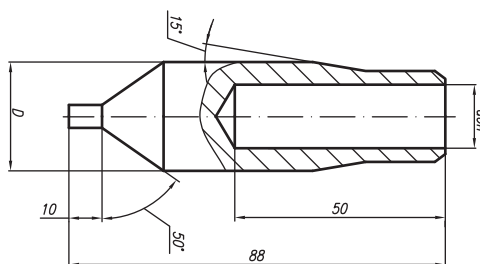
ATM.A.450x400.001



Indexing	Nominal inside diameter		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 3,2 MPa, design temperature = 238°C										
ATM.A.450x400.001	450	400	465x16	426x14	437+0,97	400+0,7	22	400	08X18H10T	68,29

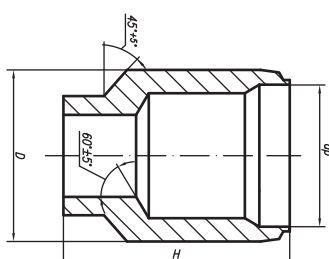
Nozzles

DN < 50 mm



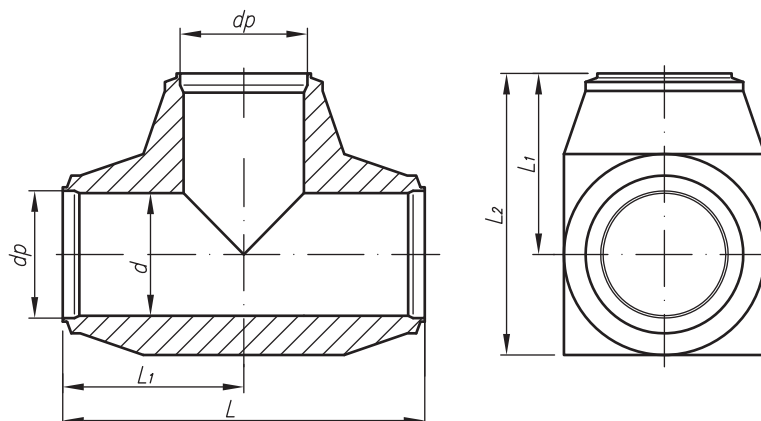
Indexing	Nominal inside diam. Dn	Dim. of connect. pipes	D	db	Steel grade	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.						
01 OST 24.125.11-89	10	14x2	21	10	08X18H10T	0,13
02 OST 24.125.11-89	15	18x2,5	25	13		0,20
03 OST 24.125.11-89	20	25x3	32	19		0,25
04 OST 24.125.11-89	25	32x3,5	40	25		0,30
05 OST 24.125.11-89	32	38x3,5	46	31		0,42

Dn более 50 мм



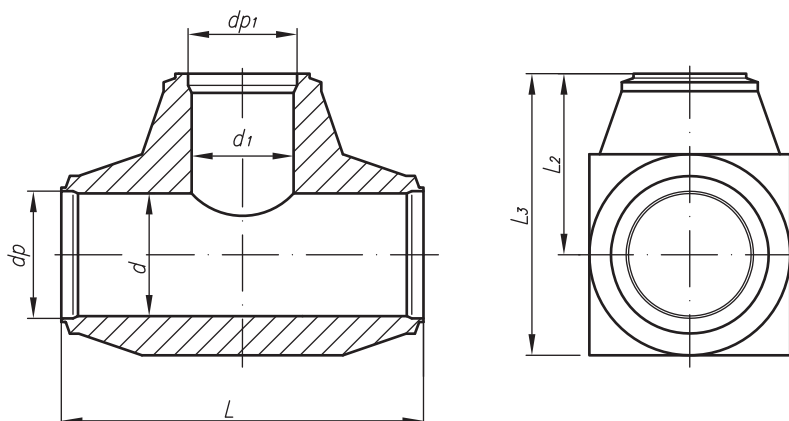
Indexing	Nominal inside diam. Dn	Dim. of connect. pipes	D	dp	H	Steel grade	Weight, kg
P = 17,66 MPa, t = 360°C.							
01 OST 24.125.12-89	50	57x5,5	68	47	93	08X18H10T	1,4
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.							
02 OST 24.125.12-89	65	76x7	92	63	120	08X18H10T	3,3
P = 13,73 MPa, t = 335°C.							
03 OST 24.125.12-89	50	57x5,5	60	47	98	08X18H10T	1,2
04 OST 24.125.12-89	80	89x8	104	74	125		4,8
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.							
05 OST 24.125.12-89	50	57x4	62	50	93	08X18H10T	1,2
06 OST 24.125.12-89			68				1,35
07 OST 24.125.12-89	65	76x4,5	86	68	120		2,6
08 OST 24.125.12-89			92				3,0
09 OST 24.125.12-89	80	89x5	107	80	125		3,5
10 OST 24.125.12-89			111				4,0
11 OST 24.125.12-89	100	108x7	122	97			4,2
12 OST 24.125.12-89			128				4,8
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.							
13 OST 24.125.12-89	50	57x4	58	50	93	08X18H10T	1,3
14 OST 24.125.12-89	65	76x4,5	80	68	120		1,9
15 OST 24.125.12-89	80	89x5	94	80	125		2,1
16 OST 24.125.12-89	100	108x5	112	100			2,6
17 OST 24.125.12-89	125	133x6	136	124			130

Forged equal tees



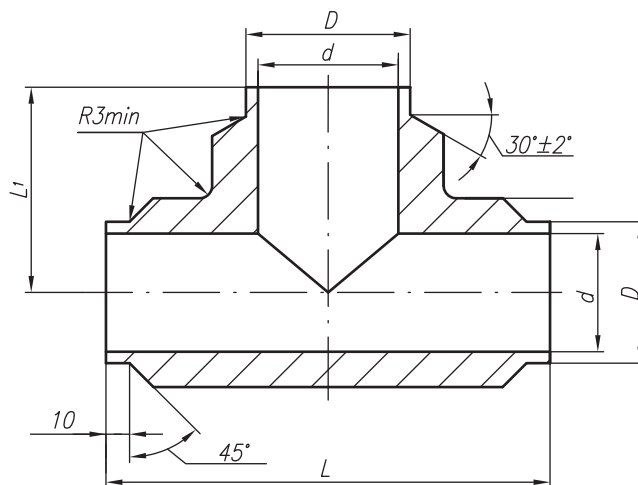
Indexing	Nominal inside diameter Dn	Dimensions of connecting pipes	d	dp	L	L ₁	L ₂	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.								
01 OST 24.125.13-89	80	108x12	84	88	240	120	188	19,6
02 OST 24.125.13-89	100	133x14	105	109	310	155	241	39,0
03 OST 24.125.13-89	125	159x17	125	130	360	180	283	66,0
P = 13,73 MPa, t = 335°C.								
04 OST 24.125.13-89	100	108x9	84	93	240	120	188	19,6
05 OST 24.125.13-89	125	133x11	105	114	310	155	241	39,0
06 OST 24.125.13-89	150	159x13	125	137	360	180	283	66,0
07 OST 24.125.13-89	200	245x19	205	212	530	265	425	220,0
08 OST 24.125.13-89	250	273x20	230	236	590	295	475	325,0
09 OST 24.125.13-89	300	-	270	280	660	330	538	460,0
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.								
10 OST 24.125.13-89	200	219x12	195	199	340	170	297	78,0
11 OST 24.125.13-89	300	325x16	290	297	500	250	440	250,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.								
12 OST 24.125.13-89	250	273x11	247	255	425	212	372	145,0
13 OST 24.125.13-89	300	325x12	295	305	500	250	440	230,0
Tees are manufactured of steel grade 08Ö18Ö10Ö according to GOST 5632 of Group IIIB according to OST 108.109.01. It is allowed to use billets of categories A and G according to OST 108.109.01.								

Forged unequal tees



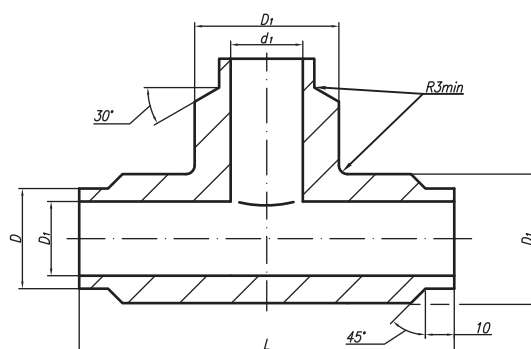
Indexing	Nominal inside diameter DnXDN ₁		Dimensions of connecting pipes		d	d ₁	dp	dp ₁	L	L ₂	L ₃	Weight, kg
P = 17,66 MPa, t = 360°C.												
01 OST 24.125.14-89	80	65	108x12	76x7	84	60	88	63	220	100	166	14,3
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.												
02 OST 24.125.14-89	100	80	133x14	108x12	105	84	109	88	280	130	215	30,6
03 OST 24.125.14-89	125	100	159x17	133x14	125	105	130	109	340	155	258	54,0
P = 13,73 MPa, t = 335°C.												
04 OST 24.125.14-89	100	65	108x9	76x7	84	60	93	63	220	100	166	14,3
05 OST 24.125.14-89		80		89x8		70		74	240	110	176	16,0
06 OST 24.125.14-89	125	100	133x11	108x9	105	84	114	93	280	130	215	30,6
07 OST 24.125.14-89	150	125	159x13	133x11	125	105	137	114	340	155	258	54,0
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.												
08 OST 24.125.14-89	300	150	325x16	159x9	290	140	297	143	350	220	410	145,0
09 OST 24.125.14-89		200		219x12		195		199	400	230	420	184,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.												
10 OST 24.125.14-89	300	250	325x12	273x11	295	247	305	255	450	240	430	210,0
Tees are manufactured of steel grade 08Ö18Ö10Ö according to GOST 5632 of Group IIIB according to OST 108.109.01. It is allowed to use billets of categories A and G according to OST 108.109.01.												

Stamped equal tees



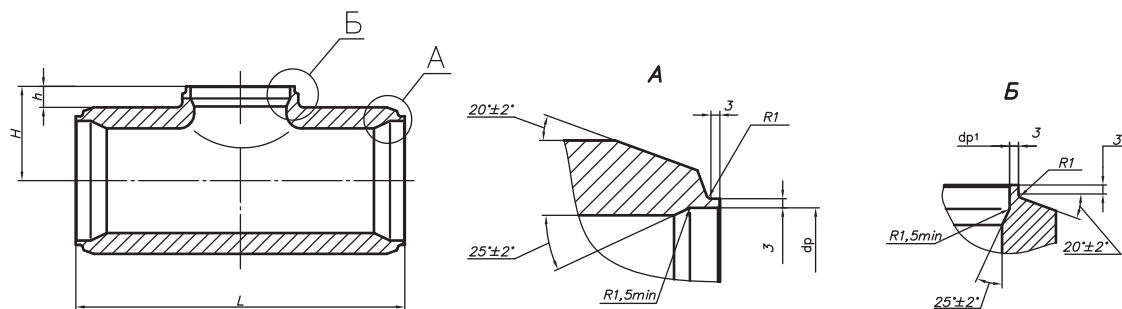
Indexing	Nominal inside diameter Dn	Dimensions of connecting pipes	D	d	L	L ₁	Steel grade	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.								
01 OST 24.125.15-89	10	14x2	15	10	100	30	08X18H10T	0,21
02 OST 24.125.15-89	15	18x2,5	19	13		35		0,4
03 OST 24.125.15-89	20	25x3	26	19				0,52
04 OST 24.125.15-89	25	32x3,5	33	25	130	65		1,2
05 OST 24.125.15-89	32	38x3,5	40	31				2,0
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.								
06 OST 24.125.15-89	50	57x5,5	59	47	130	65	08X18H10T	2,7
07 OST 24.125.15-89	65	76x7	79	63	180	90		5,8
08 OST 24.125.15-89	80	89x8	93	74	200	100		11,3
P = 9,02 MPa, t = 290°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.								
09 OST 24.125.15-89	50	57x4	59	50	130	65	08X18H10T	1,8
10 OST 24.125.15-89	65	76x4,5	79	68	180	90		3,5

Stamped unequal tees



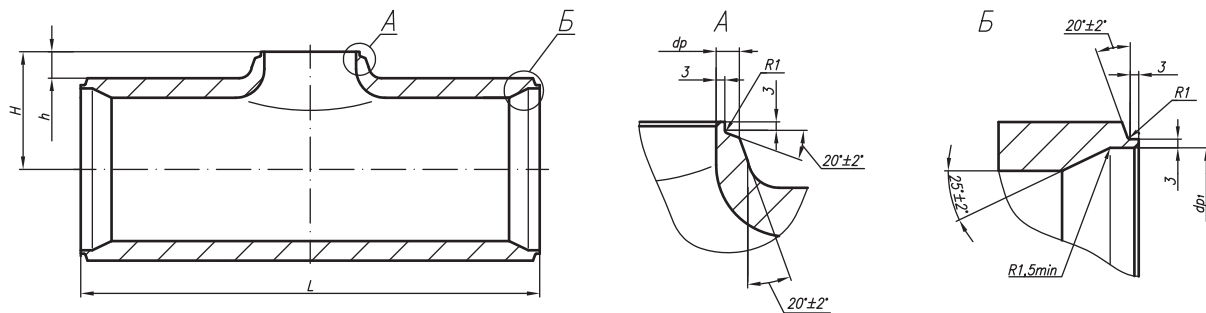
Indexing	Nominal inside diameter DnXDn ₁		Dimensions of connecting pipes		D	D ₁	d	d ₁	L	L ₁	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
01 OST 24.125.16-89	15	10	18x2,5	14x2	19	23	13	10	100	35	0,3
02 OST 24.125.16-89	20		25x3		26	32	19				13
03 OST 24.125.16-89		15		18x2,5				19			
04 OST 24.125.16-89	25	10	32x3,5	14x2	33	50	25	10	130	65	1,0
05 OST 24.125.16-89		15		18x2,5				13			1,0
06 OST 24.125.16-89		20		25x3				19			1,1
07 OST 24.125.16-89	32	10	14x2	40	31	10	2,2				
08 OST 24.125.16-89		15	18x2,5			13	2,2				
09 OST 24.125.16-89		20	25x3			19	2,1				
10 OST 24.125.16-89		25	32x3,5			25	2,1				
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.											
11 OST 24.125.16-89	50	20	57x5,5	25x3	59	68	47	19	130	65	2,6
12 OST 24.125.16-89		25		32x3,5				25			2,6
13 OST 24.125.16-89		32		38x3,5				31			2,5
14 OST 24.125.16-89	65	20	76x7	25x3	79	88	63	19	180	90	6,2
15 OST 24.125.16-89		25		32x3,5				25			6,1
16 OST 24.125.16-89		32		38x3,5				31			6,0
17 OST 24.125.16-89		50		57x5,5				47			5,8
18 OST 24.125.16-89	80	32	89x8	38x3,5	93	110	74	31	200	100	11,1
19 OST 24.125.16-89		50		57x5,5				47			10,9
20 OST 24.125.16-89		65		76x7				63			10,4
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
21 OST 24.125.16-89	50	20	57x4	25x3	59	68	50	19	130	65	2,6
22 OST 24.125.16-89		25		32x3,5				25			2,6
23 OST 24.125.16-89		32		38x3,5				31			2,0
24 OST 24.125.16-89	65	25	76x4,5	32x3,5	79	88	68	25	180	90	6,1
25 OST 24.125.16-89		32		38x3,5				31			6,0
26 OST 24.125.16-89		50		57x4				50			4,0
27 OST 24.125.16-89	80	89x5	93		110	80	200	100	9,5		
28 OST 24.125.16-89									65	76x4,5	68
Tees are manufactured of steel grade 08X18H10T according to GOST 5632 of Group IIIB according to OST 108.109.01. It is allowed to use billets of categories A and G according to OST 108.109.01.											

Stamped unequal tees with drawn down neckline



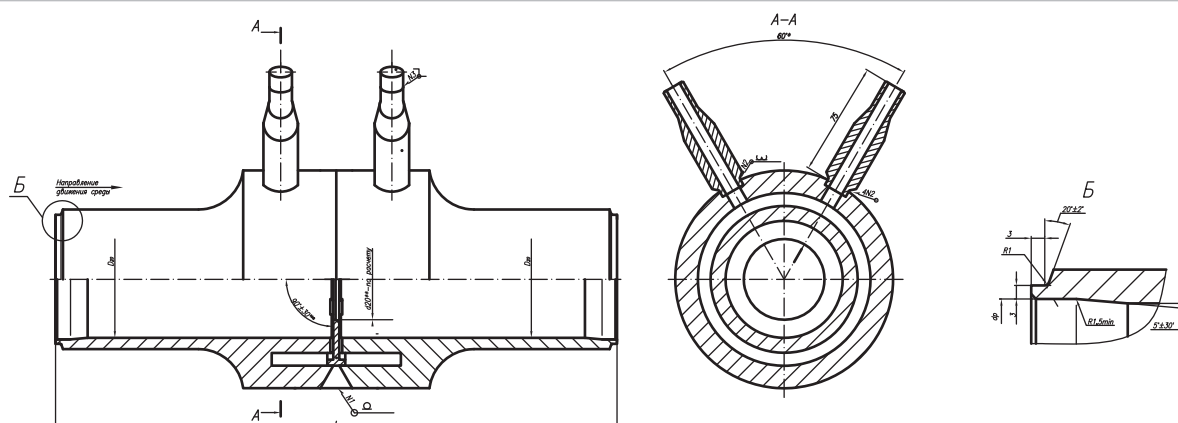
Indexing	Nominal ins. diam.		Dimensions of connecting pipes		L	H	h	dp	dp ₁	Steel grade	Weight, kg
	D _n	D _{n₁}									
P = 13,73 MPa, t = 335°C.											
01 OST 24.125.18-89	200	125	245x19	133x11	400	160	30	212	114	08X18H10T	78,0
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.											
02 OST 24.125.18-89	300	150	325x16	159x9	600	185	20	297	143	08X18H10T	125,0
03 OST 24.125.18-89		200		219x12		192	27		199		130,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
04 OST 24.125.18-89	300	250	325x12	273x11	600	185	20	305	255	08X18H10T	87,0

Unequal tees with drawn down neckline



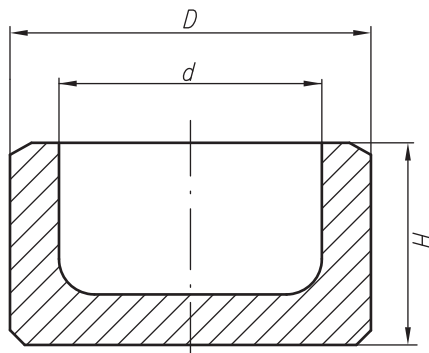
Indexing	Nominal ins. diam.		Dimensions of connecting pipes		L	H	h	dp	dp ₁	Steel grade	Weight, kg
	D _n	D _n ₁									
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.											
01 OST 24.125.19-89	150	80	159x9	89x5	400	98	18	143	80	08X18H10T	24,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.											
03 OST 24.125.19-89	150	80	159x6,5	89x5	400	98	18	149	80	08X18H10T	19,0
05 OST 24.125.19-89	200	150	220x8	159x6,5	500	135	25	208	149		41,0
06 OST 24.125.19-89	250	200	273x11	220x8		161		255	208		57,0
07 OST 24.125.19-89	300		325x12		600	187		305			73,0
P = 2,45 MPa, t = 250°C.											
08 OST 24.125.19-89	300	250	325x12	273x11	600	187	25	305	255	08X18H10T	75,0

Assembly units with orifice



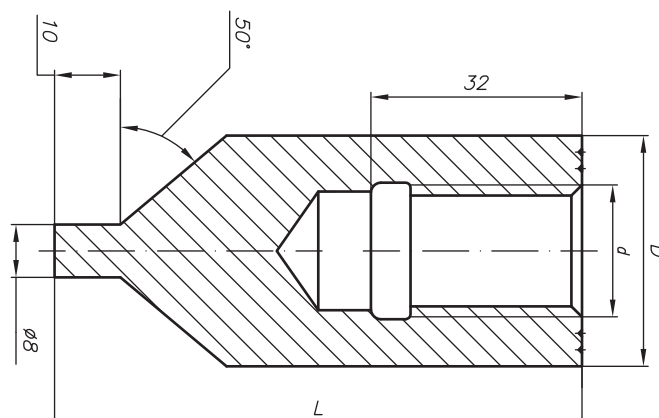
Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	L	D ₂₀	dp	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C.						
01 OST 24.125.20-89	80	108x12	443	84	88	14,6
02 OST 24.125.20-89	100	133x14	533	105	109	25,6
03 OST 24.125.20-89	125	159x17	643	125	130	41,9
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.						
04 OST 24.125.20-89	50	57x5,5	243	46	47	7,6
05 OST 24.125.20-89	65	76x7	323	60	63	11,8
06 OST 24.125.20-89	80	89x8	373	72	74	15,9
P = 13,73 MPa, t = 335°C.						
07 OST 24.125.20-89	100	108x9	443	90	93	15,3
08 OST 24.125.20-89	125	133x11	523	110	114	25,5
09 OST 24.125.20-89	150	159x13	623	132	137	41,0
10 OST 24.125.20-89	200	245x19	943	206	212	123,0
11 OST 24.125.20-89	250	273x20	1043	232	236	165,0
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C.						
12 OST 24.125.20-89	50	57x4	243	49	50	7,0
13 OST 24.125.20-89	65	76x4,5	323	66	68	10,5
14 OST 24.125.20-89	80	89x5	373	78	80	13,5
15 OST 24.125.20-89	100	108x7	443	94	97	16,8
16 OST 24.125.20-89	125	133x8	533	117	120	23,8
17 OST 24.125.20-89	150	159x9	643	141	143	33,6
18 OST 24.125.20-89	200	219x12	923	195	199	76,3
19 OST 24.125.20-89	300	325x16	1273	293	297	185,0
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C.						
20 OST 24.125.20-89	100	108x5	463	98	100	16,8
21 OST 24.125.20-89	125	133x6	543	121	124	23,8
22 OST 24.125.20-89	150	159x6,5	643	146	149	33,6
23 OST 24.125.20-89	200	220x8	923	204	208	76,3
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.						
24 OST 24.125.20-89	250	273x11	1163	251	255	104,0
25 OST 24.125.20-89	300	325x12	1273	301	305	152,0

Blind plugs



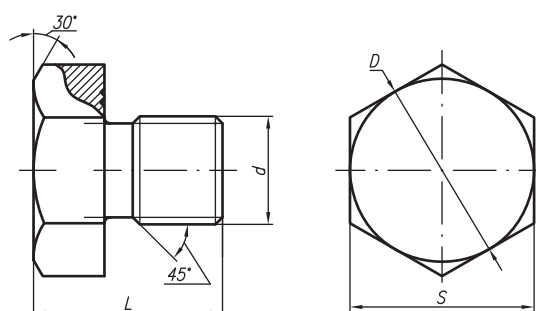
Indexing	Nominal inside diam. Dn	Dim. of connecting pipes	D	d	H	Steel grade	Weight, kg
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.							
01 OST 24.125.21-89	10	14x2	20	10	20	08X18H10T	0,035
02 OST 24.125.21-89	15	18x2,5		13			0,04
03 OST 24.125.21-89	20	25x3	30	19	25		0,1
04 OST 24.125.21-89	25	32x3,5	36	25			0,13
05 OST 24.125.21-89	32	38x3,5	45		30		0,3
P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C.							
06 OST 24.125.21-89	50	57x5,5	60	40	35	08X18H10T	0,5
07 OST 24.125.21-89	65	76x7	80	60	40		1,0
08 OST 24.125.21-89	80	89x8	95	65	45		1,7
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C; P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.							
09 OST 24.125.21-89	50	57x4	60	44	35	08X18H10T	0,5
10 OST 24.125.21-89	65	76x4,5	80	60			0,8
11 OST 24.125.21-89	80	89x5	95	75	40		1,2
P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C; P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.							
12 OST 24.125.21-89	100	108x7	110	95	35	08X18H10T	1,35
13 OST 24.125.21-89	125	133x8	135	118	45		2,4
14 OST 24.125.21-89	150	159x9	162	141	50		4,6
15 OST 24.125.21-89	200	219x12	222	195	60		11,0
P = 3,92 MPa, t = 450°C.							
16 OST 24.125.21-89	150	159x6,5	162	147	45	08X18H10T	3,3
P = 5,40 MPa, t = 60°C; P = 3,92 MPa, t = 290°C; P = 3,92 MPa, t = 200°C.							
17 OST 24.125.21-89	100	108x5	110	98	35	08X18H10T	1,0
18 OST 24.125.21-89	125	133x6	135	122			1,6
19 OST 24.125.21-89	200	220x8	222	204	50		7,2
P = 13,73 MPa, t = 335°C.							
20 OST 24.125.21-89	100	108x9	110	91	45	08X18H10T	1,9
21 OST 24.125.21-89	150	159x13	162	135	65		5,9

Bosses



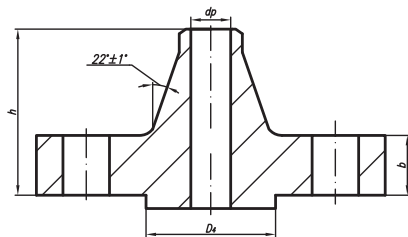
Indexing	Dimensions, mm			Material	Weight, kg
	d	D	L		
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 9,02 MPa, t = 290°C; P = 3,92 MPa, t = 290°C.					
01 OST 24.125.22-89	M20x1,5	35	80	08X18H10T GOST 5949	0,42
02 OST 24.125.22-89			110		0,66
03 OST 24.125.22-89	M22x1,5		80		0,48
04 OST 24.125.22-89			110		0,66
05 OST 24.125.22-89	M27x2	44	80		0,42
06 OST 24.125.22-89			110		0,79
07 OST 24.125.22-89	M27x1,5		80		0,42
08 OST 24.125.22-89			110		0,79
09 OST 24.125.22-89	M33x2	56	80		0,93
10 OST 24.125.22-89			110		1,3

Plugs



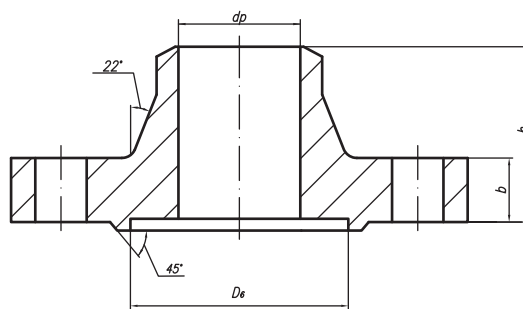
Indexing	Dimensions, mm				Material	Weight, kg
	d	D	L	s		
P = 19,62 MPa, t = 290°C; P = 17,66 MPa, t = 360°C; P = 13,73 MPa, t = 335°C; P = 9,02 MPa, t = 290°C; P = 3,92 MPa, t = 290°C.						
01 OST 24.125.23-89	M20x1,5	36	34	36	08X18H10T GOST 5949	0,15
02 OST 24.125.23-89	M22x1,5					
03 OST 24.125.23-89	M27x1,5	45	42	46		0,35
04 OST 24.125.23-89	M27x2					
05 OST 24.125.23-89	M33x2					

Weld neck raised flanges



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Flange dimensions, mm				Steel grade	Weight, kg
			D ₄	dp	b	h		
Pn = 16 MPa: P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C.								
01 OST 24.125.24-89	15	18x2,5	39	13	18	50	08X18H10T	1,27
02 OST 24.125.24-89	20	25x3	50	19	20	56		1,98
03 OST 24.125.24-89	25	32x3,5	57	-	22			2,48
04 OST 24.125.24-89	32	38x3,5	65	-		65		3,07
Pn = 16 MPa: P = 13,73 MPa, t = 335°C.								
05 OST 24.125.24-89	50	57x5,5	87	47	27	75	08X18H10T	6,43
06 OST 24.125.24-89	65	76x7	109	63	31	85		9,38
07 OST 24.125.24-89	80	89x8	120	74	33	90		10,4
08 OST 24.125.24-89	100	108x9	149	93	37	100		15,4
09 OST 24.125.24-89	125	133x11	175	114	41	115		24,87
10 OST 24.125.24-89	150	159x13	203	137	47	130		35,04
Pn = 16 MPa: P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C.								
11 OST 24.125.24-89	50	57x4	87	50	27	75	08X18H10T	6,43
12 OST 24.125.24-89	65	76x4,5	109	68	31	85		9,38
13 OST 24.125.24-89	80	89x5	120	80	33	90		10,4
14 OST 24.125.24-89	100	108x7	149	97	37	100		15,4
15 OST 24.125.24-89	125	133x8	175	120	41	115		24,87
16 OST 24.125.24-89	150	159x9	203	143	47	130		35,04
17 OST 24.125.24-89	200	219x12	259	199	57	145		60,1
18 OST 24.125.24-89	300	325x16	363	297	74	185		141,0
Pn = 10 MPa: P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.								
19 OST 24.125.24-89	10	14x2	34	10	16	43	08X18H10T	1,02
20 OST 24.125.24-89	50	57x4	87	50	25	68		6,03
21 OST 24.125.24-89	65	76x4,5	109	68	29	80		8,52
22 OST 24.125.24-89	80	89x5	120	80	31	87		9,91
23 OST 24.125.24-89	100	108x7	149	97	35	97		14,65
24 OST 24.125.24-89	125	133x8	175	120	39	112		23,32
25 OST 24.125.24-89	150	159x9	203	143	43	125		32,87
26 OST 24.125.24-89	200	219x12	259	199	51	140		52,24
27 OST 24.125.24-89	300	325x16	363	297	66	180		127,78
Pn = 6,3 MPa: P = 5,4 MPa, t = 60°C; P = 3,92 MPa, t = 290°C.								
28 OST 24.125.24-89	50	57x4	87	50	23	67	08X18H10T	4,59
29 OST 24.125.24-89	65	76x4,5	100	68	25	72		6,16
30 OST 24.125.24-89	80	89x5	120	80	27			7,17
31 OST 24.125.24-89	100	108x5	149	100	29	77		10,7
32 OST 24.125.24-89	125	133x6	175	124	33	95		16,94
33 OST 24.125.24-89	150	159x9	203	143	35	105		25,4
34 OST 24.125.24-89	200	220x8	259	208	41	110		38,5
35 OST 24.125.24-89	250	273x11	312	255	45	115		53,8
36 OST 24.125.24-89	300	325x12	363	305	50	120		74,6
Pn = 4,0 MPa: P = 3,92 MPa, t = 200°C.								
37 OST 24.125.24-89	100	108x5	149	100	23	65	08X18H10T	7,06
38 OST 24.125.24-89	125	133x6	175	124	25			10,17
39 OST 24.125.24-89	150	159x6,5	203	149	27	68		13,2
40 OST 24.125.24-89	200	220x8	259	208	35	85	08X18H10T	24,0
41 OST 24.125.24-89	250	273x11	312	255	39	98		37,3
42 OST 24.125.24-89	300	325x12	363	305	42	112		50,6

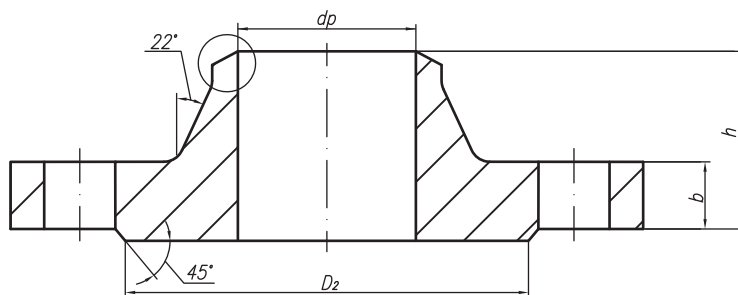
Socket weld neck flanges



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Flange dimensions, mm				Steel grade	Weight, kg
			D ₆	dp	b	h		
Pn = 16 MPa: P = 13,73 MPa, t = 335°C; P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C.								
01 OST 24.125.25-89	15	18x2,5	40	13	18	50	08X18H10T	1,24
02 OST 24.125.25-89	20	25x3	51	19	20	56		1,94
03 OST 24.125.25-89	25	32x3,5	58	-	22			2,44
04 OST 24.125.25-89	32	38x3,5	66	-		65		3,01
Pn = 16 MPa: P = 13,73 MPa, t = 335°C.								
05 OST 24.125.25-89	50	57x5,5	88	47	27	75	08X18H10T	6,4
06 OST 24.125.25-89	65	76x7	110	63	31	85		8,64
07 OST 24.125.25-89	80	89x8	121	74	33	90		10,3
08 OST 24.125.25-89	100	108x9	150	93	37	100		15,22
09 OST 24.125.25-89	125	133x11	176	114	41	115		23,1
10 OST 24.125.25-89	150	159x13	204	137	47	130		34,4
Pn = 16 MPa: P = 10,79 MPa, t = 55°C; P = 10,10 MPa, t = 170°C.								
11 OST 24.125.25-89	50	57x4	88	50	27	75	08X18H10T	6,4
12 OST 24.125.25-89	65	76x4,5	110	68	31	85		8,64
13 OST 24.125.25-89	80	89x5	121	80	33	90		10,3
14 OST 24.125.25-89	100	108x7	150	97	37	100		15,22
15 OST 24.125.25-89	125	133x8	176	120	41	115		23,1
16 OST 24.125.25-89	150	159x9	204	143	47	130		34,4
17 OST 24.125.25-89	200	219x12	260	199	57	145		60,0
18 OST 24.125.25-89	300	325x16	364	297	74	185		140,0
Pn = 10 MPa: P = 9,02 MPa, t = 290°C; P = 7,55 MPa, t = 290°C.								
19 OST 24.125.25-89	10	14x2	35	10	16	43	08X18H10T	0,99
20 OST 24.125.25-89	50	57x4	88	50	25	68		5,6
21 OST 24.125.25-89	65	76x4,5	110	68	29	80		8,48
22 OST 24.125.25-89	80	89x5	121	80	31	87		9,85
23 OST 24.125.25-89	100	108x7	150	97	35	97		14,4
24 OST 24.125.25-89	125	133x8	176	120	39	112		19,3
25 OST 24.125.25-89	150	159x9	204	143	43	125		31,9
26 OST 24.125.25-89	200	219x12	260	199	51	140		54,07
27 OST 24.125.25-89	300	325x16	364	297	66	180		127,73
Pn = 6,3 MPa: P = 5,4 MPa, t = 60°C; P = 3,92 MPa, t = 290°C.								
28 OST 24.125.25-89	50	57x4	88	50	23	67	08X18H10T	4,5
29 OST 24.125.25-89	65	76x4,5	110	68	25	72		6,05
30 OST 24.125.25-89	80	89x5	121	80	27			7,0
31 OST 24.125.25-89	100	108x5	150	100	29	77		10,5
32 OST 24.125.25-89	125	133x6	176	124	33	95		16,6
33 OST 24.125.25-89	150	159x9	204	143	35	105		24,1
34 OST 24.125.25-89	200	220x8	260	208	41	110		36,11
35 OST 24.125.25-89	250	273x11	313	255	45	115		50,3
36 OST 24.125.25-89	300	325x12	364	305	50	120		68,3

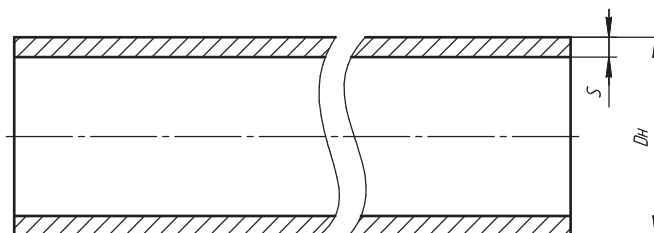
Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Flange dimensions, mm				Steel grade	Weight, kg
			D ₆	dp	b	h		
Pn = 4,0 MPa: P = 3,92 MPa, t = 200°C.								
37 OST 24.125.25-89	100	108x5	150	100	23	65	08X18H10T	7,06
38 OST 24.125.25-89	125	133x6	176	124	25			10,17
39 OST 24.125.25-89	150	159x6,5	204	149	27			13,2
40 OST 24.125.25-89	200	220x8	260	208	35			24,0
41 OST 24.125.25-89	250	273x11	313	255	39			37,3
42 OST 24.125.25-89	300	325x12	364	305	42			50,6

Weld neck raised flange



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Flange dimensions, mm				Steel grade	Weight, kg
			D ₂	dp	b	h		
Pn = 4,0 MPa								
01 OST 24.125.26-89	50	57x5,5	102	47	17	45	08X18H10T	2,81
Pn = 2,5 MPa								
02 OST 24.125.26-89	100	108x5	158	100	21	58	08X18H10T	6,51
03 OST 24.125.26-89	125	133x6	184	124	23	65		9,41
04 OST 24.125.26-89	150	159x6,5	212	149	25	68		12,52
05 OST 24.125.26-89	200	220x8	278	208	27	75		17,44
06 OST 24.125.26-89	250	273x11	335	255	29			24,4
07 OST 24.125.26-89	300	325x12	390	305	32	80		33,29
Pn = 1,6 MPa								
08 OST 24.125.26-89	100	108x5	158	100	17	50	08X18H10T	4,9
09 OST 24.125.26-89	125	133x6	184	124	19	57		6,75
10 OST 24.125.26-89	150	159x6,5	212	149				8,3
11 OST 24.125.26-89	200	220x8	268	208	21	58		11,79
12 OST 24.125.26-89	250	273x11	320	255	23	65		17,36
13 OST 24.125.26-89	300	325x12	370	305	24	66		22,76
Pn = 1,0 MPa								
14 OST 24.125.26-89	200	220x8	268	208	19	58	08X18H10T	11,35
15 OST 24.125.26-89	250	273x11	320	255	21	60		14,64
16 OST 24.125.26-89	300	325x12	370	305	22			18,66
Pn = 0,6 MPa								
17 OST 24.125.26-89	100	108x5	148	100	13	38	08X18H10T	3,35
18 OST 24.125.26-89	125	133x6	178	124	15	40		4,66
19 OST 24.125.26-89	150	159x6,5	202	149		43		5,37
20 OST 24.125.26-89	200	220x8	258	208	17	50		8,37
21 OST 24.125.26-89	250	273x11	312	255	18			10,99
22 OST 24.125.26-89	300	325x12	365	305				14,82

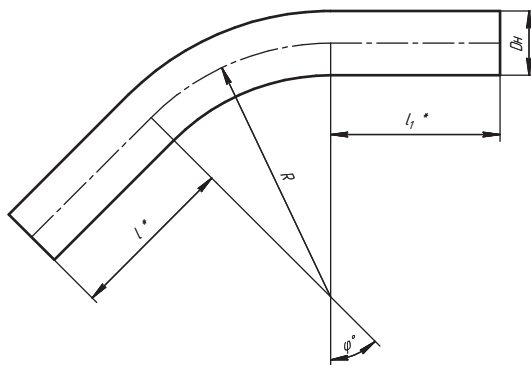
Pipes deliverable in lineal meters (OST 24.125.30-89)



Nominal inside diameter Dn	Dimensions of pipes		Steel grade	TU for pipes procurement
	DН	S		
10	16	2	Steel 20	TU 14-3P-55-2001
20	28	3		
25	32			
32	38			
50	57	4		
65	76			
80	89			
		8		
100	108	6		
		8		
125	133	6,5		
		8		
		13		
150	159	7		
		9		
		13		
200	219	9		
		13		
		16		
250	273	10		
		16		
		20		
300	325	13		
		19		
350	377	13		
		24		
400	426	14		
		24		
450	465	16		
500	530	28	15ГC	TU 3-923-75
600	630	17	16ГC	
		25		
700	720	22		

Note: The pipes not specified in the assortment of OST 24.125.30-89 are supplied in accordance with the dimensions specified in TU 14-3P-55-2001 and TU 3-923-75.

Curved bends (elbows)



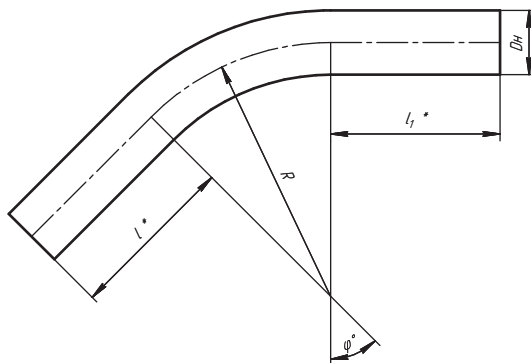
Indexing	Modifi- cation	Fig.	Nominal inside diam. Dn	D _H xS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade		
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.													
OST 24.125.32-89	01	1	10	16x2	100		1,6	100	100	15°	Steel 20		
	02									30°			
	03									45°			
	04									60°			
	05									90°			
	06	2	20	28x3			150			-		2,4	15°
	07												30°
	08												45°
	09												60°
	10												90°
	11		25	32x3	150	-						2,4	15°
	12												30°
	13												45°
	14												60°
	15												90°
	16	2	32	38x3			150			-		2,4	15°
	17												30°
	18												45°
	19												60°
	20												90°
	21		50	57x4	300			3,0	15°				
	22								30°				
	23								45°				
	24								60°				
	25								90°				
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.													
OST 24.125.32-89	26	3	80	89x8			400	77	5,2	200	250	15°	Steel 20
	27											30°	
	28											45°	
	29											60°	
	30				90°								

Indexing	Modification	Fig.	Nominal inside diam. Dn	D _H xS	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade		
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.													
OST 24.125.32-89	31	2	65	76x4	300	–	2,6	150	250	15°	Steel 20		
	32									30°			
	33									45°			
	34									60°			
	35									90°			
P = 5,89 MPa, t = 275°C.													
OST 24.125.32-89	36	2	80	89x6	400	–	4,0	200	250	15°	Steel 20		
	37									30°			
	38									45°			
	39									60°			
	40									90°			
P = 3,92 MPa, t = 200°C.													
OST 24.125.32-89	41	2	800	89x4	400	–	3,0	200	250	15°	Steel 20		
	42									30°			
	43									45°			
	44									60°			
	45									90°			
P = 11,77 MPa, t = 250°C.													
OST 24.125.33-89	01	2	100	108x8	600	95	6,1	500	500	15°	Steel 20		
	02									30°			
	03									45°			
	04									60°			
	05									90°			
	06		125	133x13	119	7,0	15°						
	07						30°						
	08						45°						
	09						60°						
	10						90°						
	11		150	159x13	650	142	8,0			15°			
	12									30°			
	13									45°			
	14									60°			
	15									90°			
	16		200	219x16	1000	195	10,8			15°			
	17									30°			
	18									45°			
	19									60°			
	20									90°			
	21		250	273x20	1370	244	13,3			650		800	15°
	22												30°
	23												45°
	24												60°
	25												90°

Indexing	Modification	Fig.	Nominal inside diam. Dn	D _н ×S	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.											
OST 24.125.33-89	26	2	300	325x19	1370	290	14,8	800	800	15°	Steel 20
	27									30°	
	28									45°	
	29									60°	
	30									90°	
	31									15°	
	32		400	426x24	1700	382	18,9	800	1000	30°	Steel 20
	33									45°	
	34									60°	
	35									90°	
	36									15°	
	37									30°	
	38		500	530x28	2400	480	22	700	700	45°	15ГC
	39									60°	
	40									90°	
P = 8,44 MPa, t = 300°C.											
OST 24.125.33-89	41	2	100	108x8	600	97	6,1			15°	Steel 20
	42									30°	
	43									45°	
	44									60°	
	45									90°	
	46		125	133x8		119	6,0	500	500	15°	Steel 20
	47									30°	
	48									45°	
	49									60°	
	50									90°	
	51		150	159x9	650	142	7,0			15°	Steel 20
	52									30°	
	53									45°	
	54									60°	
	55									90°	
	56		200	219x13	1000	195	10,0	500	500	15°	Steel 20
	57									30°	
	58									45°	
	59									60°	
OST 24.125.33-89	60	2	200	219x13	1000	195	10,0	500	500	90°	Steel 20
	61		250	273x16	1370	244	12,0	650		15°	
	62									30°	
	63									45°	
	64									60°	
	65		600	630x25	2300	582	21,3	800	800	90°	16ГC
	66									15°	
	67									30°	
	68									45°	
	69									60°	
	70									90°	

Indexing	Modification	Fig.	Nominal inside diam. Dn	D _н ×S	R	dp	s ₁ not less than	l	l ₁	φ	Steel grade
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.											
OST 24.125.33-89	71	1	100	108x6	600	97	4,8	500	500	15°	Steel 20
	72									30°	
	73									45°	
	74									60°	
	75									90°	
	76	2	125	133x6,5		122	4,5			15°	
	77									30°	
	78									45°	
	79									60°	
	80									90°	
	81				15°						
	82				30°						
	83				45°						
	84				60°						
	85				90°						
	86	2	150	159x7	650	148	4,9	15°			
	87							30°			
	88							45°			
	89							60°			
	90							90°			
91	15°										
92	30°										
93	45°										
94	60°										
95	90°										
P = 5,89 MPa, t = 275°C.											
OST 24.125.33-89	96	2	250	273x16	1370	256	12,0	650	800	15°	Steel 20
	97									30°	
	98									45°	
	99									60°	
	100									90°	
	101		350	377x24	1500	354	17,5	800	1000	15°	
	102									30°	
	103									45°	
	104									60°	
	105									90°	
P = 3,92 MPa, t = 200°C.											
OST 24.125.33-89	106	2	250	273x10	1370	256	7,0	650	800	15°	Steel 20
	107									30°	
	108									45°	
	109									60°	
	110		350	377x13	1500	354	9,0	800	1000	90°	
	111									15°	
	112									30°	
	113									45°	
OST 24.125.33-89	114	2	350	377x13	1500	354	9,0	800	1000	60°	Steel 20
	115									90°	
	116		400	426x14	1700	401	10,0			15°	
	117									30°	
	118									45°	
	119									60°	
	120		450	465x16	2100	437	11,0			90°	
	121									15°	
	122									30°	
	123									45°	
	124									60°	
	125									90°	

Sharply curved bends (elbows)



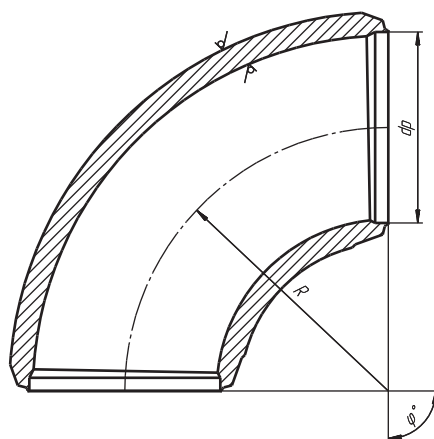
Indexing	Modification	Fig.	Nom. inside diam. Dn	D _H xS	R	dp	s ₁ not less than	φ	Steel grade
P = 11,77 MPa, t = 250°C.									
OST 24.125.34-89	1	2	80	89x8	200	77	5,0	15°	Steel 20
	2							30°	
	3							45°	
	4							60°	
	5							90°	
	6	3	100	108x8	250	95	5,8	15°	
	7							30°	
	8							45°	
	9							60°	
	10							90°	
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.									
OST 24.125.34-89	11	3	125	133x13	300	119	8,0	15°	Steel 20
	12							30°	
	13							45°	
	14							60°	
	15							90°	
	16		150	159x13	350	142	8,9	15°	
	17							30°	
	18							45°	
	19							60°	
	20							90°	
	21		200	219x13	375	195	9,6	15°	
	22							30°	
	23							45°	
	24							60°	
	25							90°	
	26		250	273x16		244	11,8	15°	
	27							30°	
	28							45°	
	29							60°	
	30							90°	

Indexing	Modification	Fig.	Nom. inside diam. Dn	D _H xS	R	dp	s ₁ not less than	φ	Steel grade
OST 24.125.34-89	31		300	325x19	450	290	14,2	15°	Steel 20
	32							30°	
	33							45°	
	34							60°	
	35							90°	
	36		400	426x24	600	382	18,5	15°	
	37							30°	
	38							45°	
OST 24.125.34-89	39	3	400	426x24	600	382	18,5	60°	Steel 20
	40							90°	
	41		500	530x28	800	480	19,0	15°	15ГC
	42							30°	
	43							45°	
	44							60°	
	45							90°	
	P = 8,44 MPa, t = 300°C.								
OST 24.125.34-89	46	1	80	89x6	200	-	3,9	15°	Steel 20
	47							30°	
	48							45°	
	49							60°	
	50							90°	
	51	2	100	108x8	250	97	4,8	15°	
	52							30°	
	53							45°	
	54							60°	
	55							90°	
	56	3	600	630x25	1200	582	21,0	15°	16ГC
	57							30°	
	58							45°	
	59							60°	
	60							90°	
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.									
OST 24.125.34-89	61	2	100	108x6	250	97	3,5	15°	Steel 20
	62							30°	
	63							45°	
	64							60°	
	65							90°	
	66	3	125	133x6,5	300	122	4,5	15°	
	67							30°	
	68							45°	
	69							60°	
	70							90°	
	71		150	159x7	350	148	4,8	15°	
	72							30°	
	73							45°	
	74							60°	
	75							90°	

Indexing	Modifica- tion	Fig.	Nom. inside diam. Dn	D _H ×S	R	dp	s ₁ not less than	φ	Steel grade
OST 24.125.34–89	76		200	219×9	400	204	5,7	15°	Steel 20
	77							30°	
	78							45°	
	79							60°	
	80							90°	
	81		250	273×10	375	256	7,0	15°	
	82							30°	
	83							45°	
	84							60°	
	85							90°	
	86		300	325×13	450	303	8,0	15°	
	87							30°	
	88							45°	
	89							60°	
	90							90°	
	91		350	377×13	525	354	9,0	15°	
	92							30°	
	93							45°	
OST 24.125.34–89	94	3	350	377×13	525	354	9,0	60°	Steel 20
	95							90°	
	96		400	426×14	600	401	10,0	15°	
	97							30°	
	98							45°	
	99							60°	
	100							90°	
	101		450	465×16	650	437	12,5	15°	
	102							30°	
	103							45°	
	104							60°	
	105							90°	
P = 3,92 MPa, t = 200°C.									
OST 24.125.34–89	106	3	600	630×17	850	598	12,0	15°	16ГC
	107							30°	
	108							45°	
	109							60°	
	110							90°	
	111		700	720×22	1200	678	16,5	15°	
	112							30°	
	113							45°	
	114							60°	
	115							90°	

Note: The sharply curved bends indicated in the table above are manufactured with straight sections of the following length: for Dn < 530 mm l = 500 + 2300 mm; l1 longer than or equal 1300 mm (as may reasonably be necessary, the reduction of straight sections up to Dn is allowed; for Dn longer than or equal 530 mm l longer than or equal 1250 mm; l1 longer than or equal 250 mm.

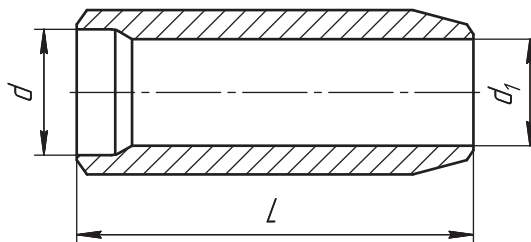
Stamped bends (elbows)



Indexing	Nominal inside diameter Dn	Dimensions of connecting pipes	dp	R	φ	Steel grade	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.							
01 OST 24.125.35-89	200	219x13	195	260	90°	15ГC	48,0
02 OST 24.125.35-89	250	273x16	244	350			129,0
03 OST 24.125.35-89	300	325x19	290	400			199,0
P = 8,44 MPa, t = 300°C.							
04 OST 24.125.35-89	600	630x25	582	850	30°	15ГC	454,0
05 OST 24.125.35-89					45°		681,0
06 OST 24.125.35-89					60°		908,0
07 OST 24.125.35-89					90°		1362,0
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
08 OST 24.125.35-89	100	108x6	97	125	45°	Steel 20	4,02
09 OST 24.125.35-89					60°		5,37
10 OST 24.125.35-89					90°		8,05
11 OST 24.125.35-89	125	133x6,5	122	175	45°	Steel 20	6,87
12 OST 24.125.35-89					60°		9,15
13 OST 24.125.35-89					90°		13,7
14 OST 24.125.35-89	150	159x7	148		45°	15ГC	10,7
15 OST 24.125.35-89					60°		14,2
16 OST 24.125.35-89					90°		21,3
17 OST 24.125.35-89	200	219x9	204	260	45°		24,0
18 OST 24.125.35-89					60°	32,0	
19 OST 24.125.35-89					90°	48,0	

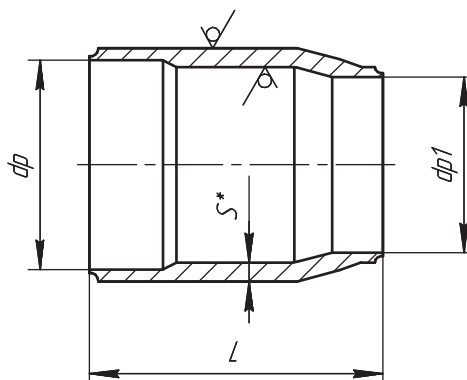
Note: The above mentioned bends (elbows) are manufactured by the method of bending on machines with HFC.

Turned reducers



Indexing	Nominal inside diam.		Dimensions of connecting pipes	Reducer dimensions, mm			Steel grade	Weight, kg	
	Dn	Dn ₁		d	d ₁	L			
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.									
01 OST 24.125.37-89	20	10	28x3	16x2	22	12	82±2	Steel 20	0,32
02 OST 24.125.37-89	25		32x3		26				0,44
03 OST 24.125.37-89		20	38x3	28x3	32	22			0,37
04 OST 24.125.37-89	32								25
05 OST 24.125.37-89		50	57x4	38x3	49	32			
06 OST 24.125.37-89	0,69								
07 OST 24.125.37-89	0,77								

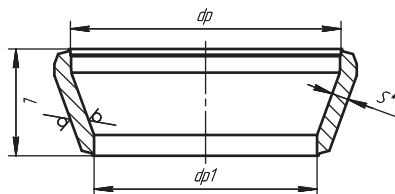
Reducers



Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
P = 11,77 MPa, t = 250°C.										
01 OST 24.125.38-89	100	80	108x8	89x6	95	77	8	180	Steel 20	3,6
02 OST 24.125.38-89	125	100	133x8	108x8	119	95	13	230	15ГC	8,2
03 OST 24.125.38-89	150		159x9		142			200	Steel 20	11,5
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.										
04 OST 24.125.38-89	80	50	89x6	57x4	77	49	8	200	Steel 20	3,3
05 OST 24.125.38-89	125	80	133x8	89x6	119	77	13	230		9,4

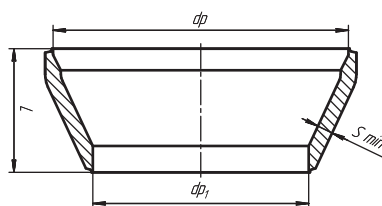
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
06 OST 24.125.38-89	150	125	159x9	133x8	142	119	13	200	Steel 20	9,9
07 OST 24.125.38-89	200		219x13		195		16	340	15ГC	29,0
08 OST 24.125.38-89		150		159x9		142		280		23,9
09 OST 24.125.38-89	250		273x16		244		20	400		53,2
10 OST 24.125.38-89		200		219x13		195		300		40,0
11 OST 24.125.38-89	300		325x19		290		22	440		77,3
12 OST 24.125.38-89		250		273x16		244		300		52,7
13 OST 24.125.38-89	400	300	426x24	325x19	382	290	24	400	Steel 20	102,0
14 OST 24.125.38-89	500	400	530x28	426x24	480	382	28	460	15ГC	171,0
P = 8,44 MPa, t = 300°C.										
15 OST 24.125.38-89	100	80	108x6	89x6	97	77	8	180	Steel 20	3,4
16 OST 24.125.38-89	125	100	133x8	108x6	119	97	13	200		6,5
17 OST 24.125.38-89	150		159x9		142			230		9,8
P = 5,89 MPa, t = 275°C										
18 OST 24.125.38-89	80	50	89x6	57x4	77	49	8	200	Steel 20	3,3
19 OST 24.125.38-89		65		76x4		68		160		2,6
20 OST 24.125.38-89	100	80	108x6	89x6	97	77		180		3,6
21 OST 24.125.38-89	125	80	133x6,5	89x6	122	77	8	230	Steel 20	6,1
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.										
22 OST 24.125.38-89	65	50	76x4	57x4	68	49	9	180	15ГC	2,3
23 OST 24.125.38-89	100	65	108x6	76x4	97	68	8	200	Steel 20	4,0
24 OST 24.125.38-89	125		133x6,5		108x6			122		97
25 OST 24.125.38-89		100		159x7		148				
26 OST 24.125.38-89	150		125		133x6,5		204	9		250
27 OST 24.125.38-89		125		219x9		159x7				148
28 OST 24.125.38-89	200		150		159x7		204	148		
29 OST 24.125.38-89		150		273x10		159x7				256
30 OST 24.125.38-89	250		200		219x9		303	256	400	
31 OST 24.125.38-89		300		325x13		273x10			303	19
32 OST 24.125.38-89	250		377x13		325x13		354	303		
33 OST 24.125.38-89		300		426x14		377x13			401	24
34 OST 24.125.38-89	350		465x16		426x14		437	30		
35 OST 24.125.38-89		400		350		377x13			354	16
36 OST 24.125.38-89	450		400		465x16		426x14	437		
37 OST 24.125.38-89		350		377x13		377x13			354	30
38 OST 24.125.38-89	400		465x16		426x14		437	401		
39 OST 24.125.38-89		450		400		465x16			426x14	437
P = 3,92 MPa, t = 200°C.										
40 OST 24.125.38-89	80	50	89x4	57x4	81	49	8	200	Steel 20	3,3
41 OST 24.125.38-89		65		76x4		68		160		2,6
42 OST 24.125.38-89	100	80	108x6	89x4	97	81		180		3,6
43 OST 24.125.38-89	125		133x6,5		122			230		6,1

Stamped reducers



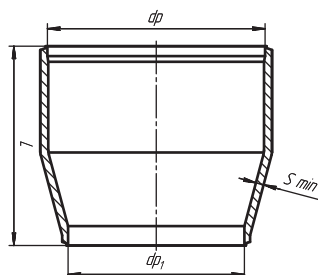
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
P = 8,44 MPa, t = 300°C.										
01 OST 24.125.39-89	600	500	630x25	530x28	582	480	36*	230	16ГC	130,0
P = 5,89 MPa, t = 275°C.										
02 OST 24.125.39-89	600	450	630x25	465x16	582	437	36*	330	16ГC	140,0
P = 3,92 MPa, t = 200°C.										
03 OST 24.125.39-89	600	450	630x17	465x16	598	437	36*	330	16ГC	140,0
04 OST 24.125.39-89	700	600	720x22	630x17	678	598		220		120,0
* Reference dimensions.										

Concentric reducers UF.ATM.A.600x500



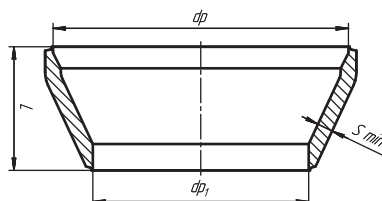
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 8,44 MPa, design temperature = 300°C										
УФ.АТМ.А.600х500-32	600	500	630х25	530х28	582	480	30	230	16ГC	118
УФ.АТМ.А.600х500-32-02	600	500	630х25	530х28				300		141
Design pressure = 3,92 MPa, design temperature = 200°C										
УФ.АТМ.А.600х500-32-01	600	500	630х17	530х17	598	498	30	230	16ГC	113

Eccentric reducers ATM.A.500x450.201



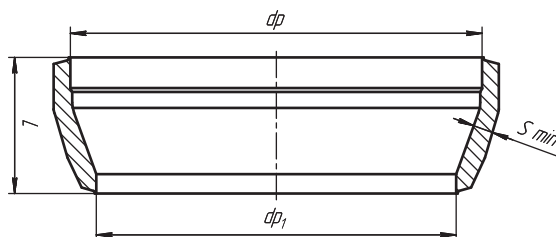
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 3,92 MPa, design temperature = 200°C										
ATM.A.500x450.201	500	450	530x17	465x16	498 ^{+0,97}	437 ^{+0,97}	14	460	15ГC	93,84

Concentric reducers ATM.A.600x450.10.000



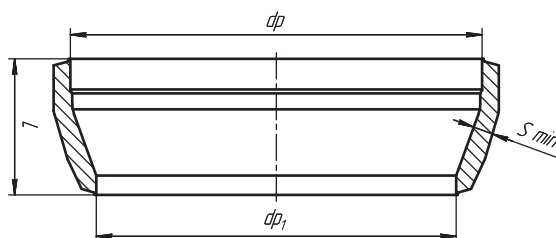
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 3,92 MPa, design temperature = 232°C										
ATM.A.600x450.10.000	600	450	630x17	465x16	598 ^{+0,97}	437 ^{+0,97}	28	250	16ГC	97

Concentric reducers ATM.A.700x600.175.000



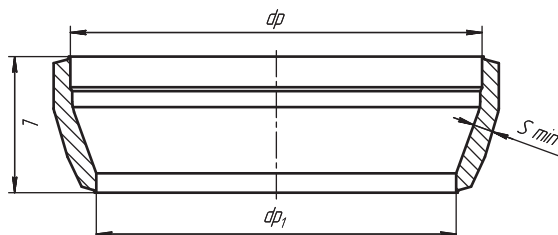
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg	
	Dn	Dn ₁			dp	dp ₁	S	L			
P = 8,44 MPa, t = 300°C											
ATM.A.700x600.175.000	700	600	720x28	630x25	666 ^{+0,97}	582 ^{+0,97}	27	220	16ГC	144	
P = 3,92 MPa, t = 300°C											
-01	700	600	720x22	630x25	678 ^{+0,97}	582 ^{+0,97}	27	220	16ГC	102	
-02			720x22	630x17						116	

Concentric reducers ATM.A.800x700.163.000



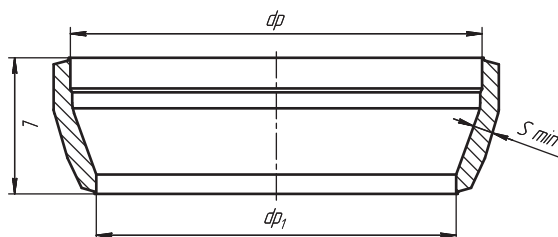
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 8,44 MPa, design temperature = 300°C										
ATM.A.800x700.163.000	800	700	825x30	720x32	769 ⁺¹	664 ⁺¹	30	240	15ГC	145

Concentric reducers ATM.A.800x700.164.000



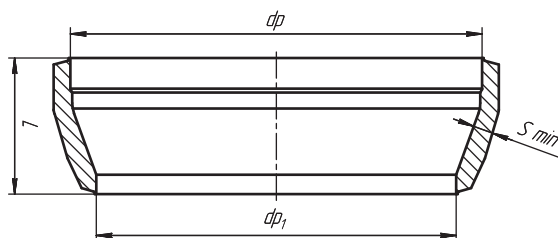
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 8,44 MPa, design temperature = 300°C										
ATM.A.800x700.164.000	800	700	825x30	720x32	769 ⁺¹	664 ⁺¹	31	240	16ГC	141

Concentric reducers ATM.A.800x700.165.000



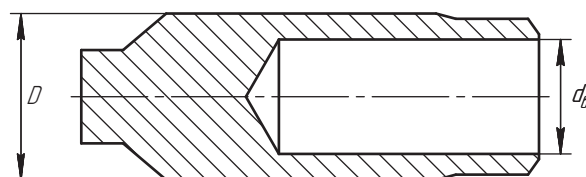
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 3,92 MPa, design temperature = 200°C										
ATM.A.800x700.165	800	700	825x22	720x22	778 ^{+0,97}	678 ^{+0,97}	25,5	230	16ГC	200

Concentric reducers ATM.A.800x600.171.000



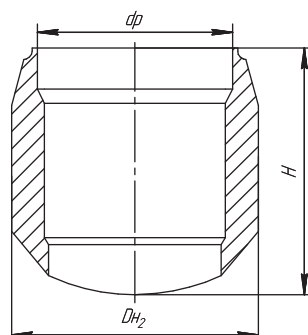
Indexing	Nominal inside diam.		Dimensions of connecting pipes		Reducer dimensions, mm				Steel grade	Weight, kg
	Dn	Dn ₁			dp	dp ₁	S	L		
Design pressure = 8,44 MPa, design temperature = 300°C										
ATM.A.800x600.171.000	800	700	825x30	630x25	769 ⁺¹	582 ^{+0,97}	31	330	16ГC	188

Nozzles DN not less than 50 mm



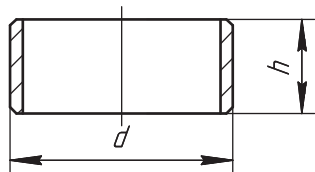
Indexing	Nom. inside diam. Dn	Dimen. of connect. pipes	D	d _b	Steel grade	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.						
01 OST 24.125.41-89	10	16x2	21	12	Steel 20	0,17
02 OST 24.125.41-89	20	28x3	32	22		0,32
03 OST 24.125.41-89	25	32x3	40	26		0,45
04 OST 24.125.41-89	32	38x3	47	32		0,67

Nozzles



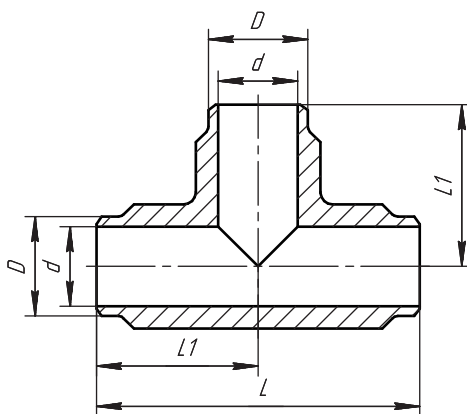
Indexing	Nom. inside diam. Dn	Dimen. of connect. pipes	DH ₂	dp	H	Steel grade	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
01 OST 24.125.42-89	50	57x4	62	49	100	Steel 20	1,3
P = 11,77 MPa, t = 250°C.							
02 OST 24.125.42-89	100	108x8	120	95	110	Steel 20	3,95
03 OST 24.125.42-89					120		3,05
P = 8,44 MPa, t = 300°C							
04 OST 24.125.42-89	100	108x6	120	97	110	Steel 20	3,95
05 OST 24.125.42-89					120		3,05
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C.							
06 OST 24.125.42-89	80	89x6	104	77	100	Steel 20	2,0
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C							
07 OST 24.125.42-89	150	159x9	182	142	130	Steel 20	9,4
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
08 OST 24.125.42-89	65	76x4	82	68	100	Steel 20	1,0
09 OST 24.125.42-89	100	108x6	112	97	110		2,95
10 OST 24.125.42-89	125	133x6,5	133	122	120	15ГC	4,08
11 OST 24.125.42-89	150	159x7	168	148			7,2
P = 3,92 MPa, t = 200°C.							
12 OST 24.125.42-89	80	89x4	97	81	100	Steel 20	2,0

Backing rings



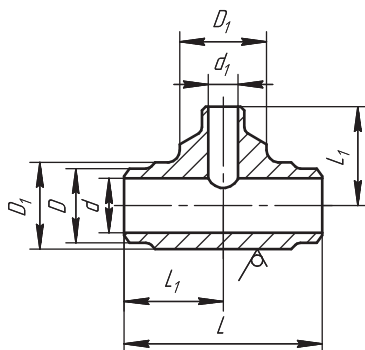
Indexing	d	h	Steel grade	Weight, kg
01 OST 24.125.44-89	38	30	Steel 20	0,1
02 OST 24.125.44-89	62			0,17
03 OST 24.125.44-89	71			0,2
04 OST 24.125.44-89	75	35		0,25
05 OST 24.125.44-89	84			0,28
06 OST 24.125.44-89	104			0,33
07 OST 24.125.44-89	124	40		0,38
08 OST 24.125.44-89	130			0,5

Stamped equal tees



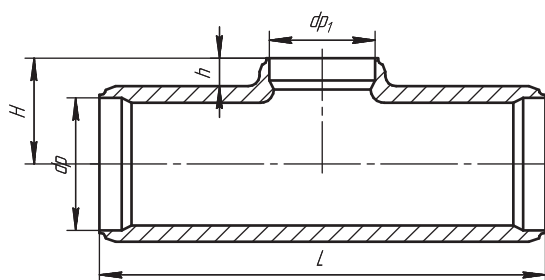
Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	D	d	L	L ₁	Steel grade	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.								
01 OST 24.125.45-89	10	16x2	17	12	60	30	Steel 20	0,12
02 OST 24.125.45-89	20	28x3	30	22	80	40		0,43
03 OST 24.125.45-89	25	32x3	34	25	130	65		1,65
04 OST 24.125.45-89	32	38x3	40	32				1,35
05 OST 24.125.45-89	50	57x4	59	49				1,96
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.								
06 OST 24.125.45-89	65	76x4	78	68	180	90	Steel 20	4,0

Stamped unequal tees



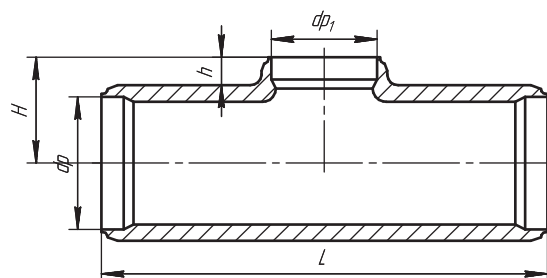
Indexing	Nominal inside diam. DnXDn ₁		Dimensions of connecting pipes		D	D ₁	d	d ₁	L	L ₁	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.											
07 OST 24.125.45-89	20	10	28x3	16x2	30	35	22	12	80	40	0,44
08 OST 24.125.45-89	25		32x3		34	50	26		130	65	1,47
09 OST 24.125.45-89	32		38x3		40		32				1,5
10 OST 24.125.45-89	25	20	32x3	34	26		22	1,66			
11 OST 24.125.45-89	32		38x3	28x3	40	32	26	1,45			
12 OST 24.125.45-89		25						32x3			59
13 OST 24.125.45-89	50		57x4	38x3	26	32	2,6				
14 OST 24.125.45-89		32					38x3	59			68
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.											
14 OST 24.125.45-89	65	50	76x4	57x4	79	88	68	49	180	90	6,0
Tees are manufactured of steel grade 20 group IIA OST 108.030.113.											

Stamped tees with drawn down neckline



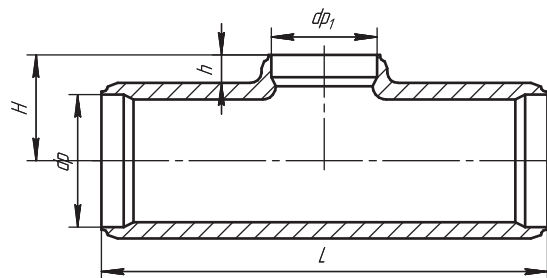
Indexing	Nominal inside diam.		Dimensions of connecting pipes		L	H	h	dp	dp ₁	Steel grade	Weight, kg
	D _n	D _{n1}									
P = 11,77 MPa, t = 250°C.											
01 OST 24.125.49-89	125	100	133x8	108x8	400	95	20	119	95	15ГC	29,0
P = 8,44 MPa, t = 300°C.											
02 OST 24.125.49-89	125	100	133x8	108x6	400	95	20	119	97	15ГC	29,0
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.											
03 OST 24.125.49-89	200	150	219x13	159x9	500	147	35	195	142	15ГC	64,0
04 OST 24.125.49-89	250		273x16			187	40	244			105,0

Unequal tees with drawn down neckline



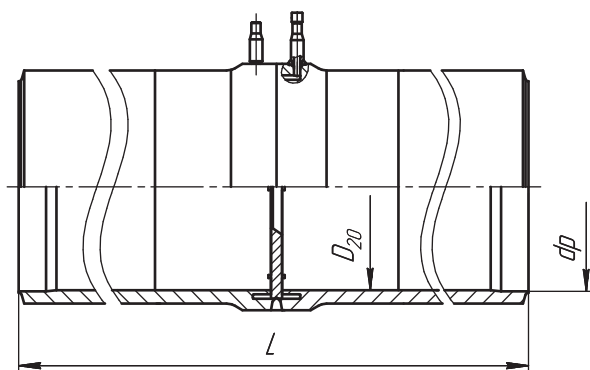
Indexing	Nominal inside diam.		Dimensions of connecting pipes		L	H	h	dp	dp ₁	Steel grade	Weight, kg													
	Dn	Dn ₁																						
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.																								
01 OST 24.125.50-89	125	80	133x8	89x6	300	81	15	119	77	15ГC	10,8													
P = 5,89 MPa, t = 275°C.																								
02 OST 24.125.50-89	125	80	133x6,5	89x6	300	82	15	122	77	15ГC	10,8													
03 OST 24.125.50-89	150		159x7		400	95	16	148		Steel 20	18,9													
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.																								
04 OST 24.125.50-89	125	100	133x6,5	108x6	300	83	16	122	97	Steel 20	10,8													
05 OST 24.125.50-89	150		159x7		400	98	18	148			122	18,9												
06 OST 24.125.50-89		125	133x6,5	500					133				20	204	122	40,6								
07 OST 24.125.50-89	200	100			219x9	108x6	134	23			148	97					63,5							
08 OST 24.125.50-89		125	133x6,5	500					162				25	256	97	88,0								
09 OST 24.125.50-89	150	159x7			600	190	28	303			122	108,0												
10 OST 24.125.50-89	250		100	273x10					108x6				163	26	148	204	148,0							
11 OST 24.125.50-89		125	133x6,5		700	228	40	354			256	175,0												
12 OST 24.125.50-89		150																159x7	800	272	40	437	256	257,0
13 OST 24.125.50-89		200																						
14 OST 24.125.50-89	300	100		325x13					108x6				188	26	303	148	108,0							
15 OST 24.125.50-89		125	133x6,5		600	191	28	204			256	175,0												
16 OST 24.125.50-89		150																159x7	700	243	30	401	256	257,0
17 OST 24.125.50-89		200																						
18 OST 24.125.50-89	250	273x10		800					272				40	437	256	257,0								
19 OST 24.125.50-89	350		100		377x13	219x9	228	40			354	256					148,0							
20 OST 24.125.50-89			125															133x6,5	700	253	30	401	256	175,0
21 OST 24.125.50-89			150																					
22 OST 24.125.50-89		200	219x9	800					277				45	401	303	257,0								
23 OST 24.125.50-89	250	273x10			800	272	40	437			256	257,0												
24 OST 24.125.50-89	300																325x13	800	277	45	401	303	257,0	
25 OST 24.125.50-89	400																							100
26 OST 24.125.50-89			125	133x6,5					700				253	30	401	256								175,0
27 OST 24.125.50-89		150	159x7		800	272	40	437			256	257,0												
28 OST 24.125.50-89		200															219x9	800	277	45	401	303	257,0	
29 OST 24.125.50-89	250	273x10																						
30 OST 24.125.50-89	300			325x13					800				277	45	401	303								257,0
31 OST 24.125.50-89	350		377x13		800	267	35	437			354	257,0												
32 OST 24.125.50-89	400																426x14	800	267	35	437	354	257,0	
33 OST 24.125.50-89	450	465x16								800														
34 OST 24.125.50-89	500			516x16					800				267	35	437	354								257,0
35 OST 24.125.50-89	550		568x16		800	267	35	437			354	257,0												
36 OST 24.125.50-89	600																620x16	800	267	35	437	354	257,0	
37 OST 24.125.50-89	650	672x16								800														
38 OST 24.125.50-89	700			724x16					800				267	35	437	354								257,0
39 OST 24.125.50-89	750		776x16		800	267	35	437			354	257,0												
40 OST 24.125.50-89	800																828x16	800	267	35	437	354	257,0	
41 OST 24.125.50-89	850	880x16								800														
42 OST 24.125.50-89	900			932x16					800				267	35	437	354								257,0
43 OST 24.125.50-89	950		984x16		800	267	35	437			354	257,0												
44 OST 24.125.50-89	1000																1036x16	800	267	35	437	354	257,0	
45 OST 24.125.50-89	1050	1088x16								800														
46 OST 24.125.50-89	1100			1140x16					800				267	35	437	354								257,0
47 OST 24.125.50-89	1150		1192x16		800	267	35	437			354	257,0												
48 OST 24.125.50-89	1200																1244x16	800	267	35	437	354	257,0	
49 OST 24.125.50-89	1250	1296x16								800														
50 OST 24.125.50-89	1300			1348x16					800				267	35	437	354								257,0
51 OST 24.125.50-89	1350		1400x16		800	267	35	437			354	257,0												
52 OST 24.125.50-89	1400																1452x16	800	267	35	437	354	257,0	
53 OST 24.125.50-89	1450	1504x16								800														
54 OST 24.125.50-89	1500			1556x16					800				267	35	437	354								257,0
55 OST 24.125.50-89	1550		1608x16		800	267	35	437			354	257,0												
56 OST 24.125.50-89	1600																1660x16	800	267	35	437	354	257,0	
57 OST 24.125.50-89	1650	1712x16								800														
58 OST 24.125.50-89	1700			1764x16					800				267	35	437	354								257,0
59 OST 24.125.50-89	1750		1816x16		800	267	35	437			354	257,0												
60 OST 24.125.50-89	1800																1868x16	800	267	35	437	354	257,0	
61 OST 24.125.50-89	1850	1920x16								800														
62 OST 24.125.50-89	1900			1972x16					800				267	35	437	354								257,0
63 OST 24.125.50-89	1950		2024x16		800	267	35	437			354	257,0												
64 OST 24.125.50-89	2000																2076x16	800	267	35	437	354	257,0	
65 OST 24.125.50-89	2050	2128x16								800														
66 OST 24.125.50-89	2100			2180x16					800				267	35	437	354								257,0
67 OST 24.125.50-89	2150		2232x16		800	267	35	437			354	257,0												
68 OST 24.125.50-89	2200																2284x16	800	267	35	437	354	257,0	
69 OST 24.125.50-89	2250	2336x16								800														
70 OST 24.125.50-89	2300			2388x16					800				267	35	437	354								257,0
71 OST 24.125.50-89	2350		2440x16		800	267	35	437			354	257,0												
72 OST 24.125.50-89	2400																2492x16	800	267	35	437	354	257,0	
73 OST 24.125.50-89	2450	2544x16								800														
74 OST 24.125.50-89	2500			2596x16					800				267	35	437	354								257,0
75 OST 24.125.50-89	2550		2648x16		800	267	35	437			354	257,0												
76 OST 24.125.50-89	2600																2700x16	800	267	35	437	354	257,0	
77 OST 24.125.50-89	2650	2752x16								800														
78 OST 24.125.50-89	2700			2804x16					800				267	35	437	354								257,0
79 OST 24.125.50-89	2750		2856x16		800	267	35	437			354	257,0												
80 OST 24.125.50-89	2800																2908x16	800	267	35	437	354	257,0	
81 OST 24.125.50-89	2850	2960x16								800														
82 OST 24.125.50-89	2900			3012x16					800				267	35	437	354								257,0
83 OST 24.125.50-89	2950		3064x16		800	267	35	437			354	257,0												
84 OST 24.125.50-89	3000																3116x16	800	267	35	437	354	257,0	
85 OST 24.125.50-89	3050	3168x16								800														
86 OST 24.125.50-89	3100			3220x16					800				267	35	437	354								257,0
87 OST 24.125.50-89	3150		3272x16		800	267	35	437			354	257,0												
88 OST 24.125.50-89	3200																3324x16	800	267	35	437	354	257,0	
89 OST 24.125.50-89	3250	3376x16								800														
90 OST 24.125.50-89	3300			3428x16					800				267	35	437	354								257,0
91 OST 24.125.50-89	3350		3480x16		800	267	35	437			354	257,0												
92 OST 24.125.50-89	3400																3532x16	800	267	35	437	354	257,0	
93 OST 24.125.50-89	3450	3584x16								800														
94 OST 24.125.50-89	3500			3636x16					800				267	35	437	354								257,0
95 OST 24.125.50-89	3550		3688x16		800	267	35	437			354	257,0												
96 OST 24.125.50-89	3600																3740x16	800	267	35	437	354	257,0	
97 OST 24.125.50-89	3650	3792x16								800														
98 OST 24.125.50-89	3700			3844x16					800				267	35	437	354								257,0
99 OST 24.125.50-89	3750		3896x16		800	267	35	437			354	257,0												
100 OST 24.125.50-89	3800																3948x16	800	267	35	437	354	257,0	
101 OST 24.125.50-89	3850	3999x16								800														
102 OST 24.125.50-89	3900			4051x16					800				267	35	437	354								257,0
103 OST 24.125.50-89	3950		4103x16		800	267	35	437			354	257,0												
104 OST 24.125.50-89	4000																4155x16	800	267	35	437	354	257,0	
105 OST 24.125.50-89	4050	4207x16								800														

Branch pipelines with drawn down neckline



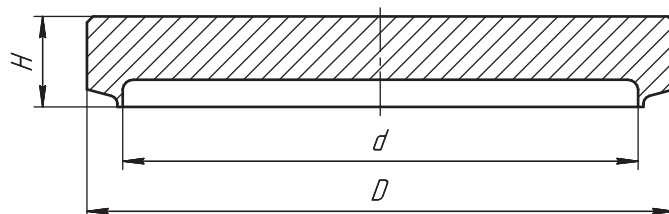
Indexing	Nominal inside diam.		Dimensions of connecting pipes	L	H	h	dp	dp ₁	Steel grade	Weight, kg	
	Dn	Dn ₁									
P = 3,92 MPa, t = 200°C.											
01 OST 24.125.51-89	150	80	159x7	89x4	200	95	15	148	81	Steel 20	28,0
02 OST 24.125.51-89		100		108x6					97		
03 OST 24.125.51-89		125		133x6,5					121		
04 OST 24.125.51-89	200	80	219x9	89x4	128	18	204	81	49,0		
05 OST 24.125.51-89		100		108x6				97			
06 OST 24.125.51-89		125		133x6,5				121			
07 OST 24.125.51-89	250	80	273x10	89x4	250	157	20	256	81		69,0
08 OST 24.125.51-89		100		108x6					97		
09 OST 24.125.51-89		125		133x6,5					121		
10 OST 24.125.51-89		150		159x7					148		
11 OST 24.125.51-89	300	80	325x13	89x4	300	183	303	81	107,0		
12 OST 24.125.51-89		100		108x6				97			
13 OST 24.125.51-89		125		133x6,5				121			
14 OST 24.125.51-89		150		159x7				148			
15 OST 24.125.51-89		200		219x9				204			
16 OST 24.125.51-89	350	80	377x13	89x4	350	209		354	81		126,0
17 OST 24.125.51-89	350	100	377x13	108x6		209		354	97		126,0
18 OST 24.125.51-89		125		133x6,5					121		
19 OST 24.125.51-89		150		159x7					148		
20 OST 24.125.51-89	400	80	426x14	89x4	350	233	20	401	81	Steel 20	154,0
21 OST 24.125.51-89		100		108x6					97		
22 OST 24.125.51-89		125		133x6,5					121		
23 OST 24.125.51-89		150		159x7					148		
24 OST 24.125.51-89	450	80	465x16	89x4	400	253		437	81		192,0
25 OST 24.125.51-89		100		108x6					97		
26 OST 24.125.51-89		125		133x6,5					121		
27 OST 24.125.51-89		150		159x7					148		
28 OST 24.125.51-89		200		219x9				204			
P = 2,45 MPa, t = 200°C.											
29 OST 24.125.51-89	300	250	325x13	273x10	300	183	20	303	256	Steel 20	107,0
30 OST 24.125.51-89	350	200	377x13	219x9	350	209		354	204		126,0
31 OST 24.125.51-89		250		273x10		204			256		
32 OST 24.125.51-89	400	200	426x14	219x9	350	233		401	204		154,0
33 OST 24.125.51-89						228					
34 OST 24.125.51-89	450	250	465x16	273x10	400	253		437	256		192,0

Assembly units with orifice



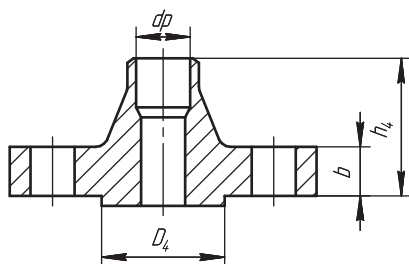
Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	L	D ₂₀	dp	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.						
01 OST 24.125.52-89	50	57x4	213	49	–	4,31
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C.						
02 OST 24.125.52-89	80	89x6	333	77	–	6,13
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.						
03 OST 24.125.52-89	125	133x8	603	117	119	17,2
04 OST 24.125.52-89	150	159x9	703	141	142	26,3
05 OST 24.125.52-89	200	219x13	923	193	195	68,4
06 OST 24.125.52-89	250	273x16	1163	241	244	130,0
07 OST 24.125.52-89	300	325x19	1313	287	290	203,0
08 OST 24.125.52-89	400	426x24	1723	378	382	444,0
09 OST 24.125.52-89	500	530x28	2103	474	480	737,0
P = 11,77 MPa, t = 250°C.						
10 OST 24.125.52-89	100	108x8	513	96	93	8,77
P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.						
11 OST 24.125.52-89	100	108x6	513	96	97	8,77
P = 8,44 MPa, t = 300°C.						
12 OST 24.125.52-89	600	630x25	2503	582	582	969,0
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.						
13 OST 24.125.52-89	65	76x4	303	68	–	4,73
14 OST 24.125.52-89	125	133x6,5	643	120	122	13,2
15 OST 24.125.52-89	150	159x7	703	145	148	21,3
16 OST 24.125.52-89	200	219x9	963	201	204	55,4
17 OST 24.125.52-89	250	273x10	1163	253	256	88,7
18 OST 24.125.52-89	300	325x13	1363	299	303	154,0
19 OST 24.125.52-89	350	377x13	1603	352	354	262,0
20 OST 24.125.52-89	400	426x14	1763	398	401	283,0
21 OST 24.125.52-89	450	465x16	1923	433	437	383,0

Blind plugs



Indexing	Nom. inside diam. Dn	Dimen. of connect. pipes	D	d	H	Steel grade	Weight, kg
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
01 OST 24.125.53–89	10	16x2	18	12	20	Steel 20	0,03
02 OST 24.125.53–89	20	28x3	30	22	25		0,04
03 OST 24.125.53–89	25	32x3	34	26			0,1
04 OST 24.125.53–89	32	38x3	40	32	30		0,3
05 OST 24.125.53–89	50	57x4	60	49	20		0,2
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C.							
06 OST 24.125.53–89	80	89x6	90	77	25	Steel 20	0,7
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.							
07 OST 24.125.53–89	125	133x8	135	119	32	Steel 20	2,5
08 OST 24.125.53–89	150	159x9	162	142	34		3,9
09 OST 24.125.53–89	200	219x13	222	195	37		8,2
10 OST 24.125.53–89	250	273x16	278	244	43		15,7
11 OST 24.125.53–89	300	325x19	330	290	48		25,5
12 OST 24.125.53–89	400	426x24	432	382	59		64,0
P = 11,77 MPa, t = 250°C.							
13 OST 24.125.53–89	100	108x8	110	93	28	Steel 20	1,3
P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
14 OST 24.125.53–89	100	108x6	110	97	28	Steel 20	1,3
P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.							
15 OST 24.125.53–89	65	76x4	78	68	20	Steel 20	0,4
16 OST 24.125.53–89	125	133x6,5	135	122	28		2,0
17 OST 24.125.53–89	150	159x7	162	148	30		3,1
18 OST 24.125.53–89	200	219x9	222	204	33		6,4
19 OST 24.125.53–89	250	273x10	278	256	37		15,2
20 OST 24.125.53–89	300	325x13	330	303	41		22,9
21 OST 24.125.53–89	350	377x13	380	354	46		34,9
22 OST 24.125.53–89	400	426x14	430	401	50		51,7
23 OST 24.125.53–89	450	465x16	470	437	53		67,3
P = 3,92 MPa, t = 200°C.							
24 OST 24.125.53–89	80	89x4	90	81	25	Steel 20	0,7

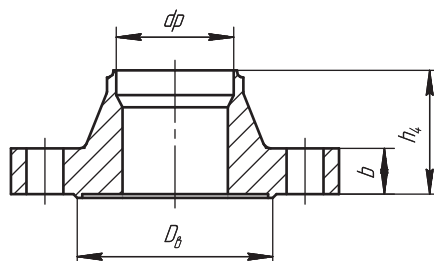
Weld neck raised flanges



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg
			D ₄	dp	b	h ₄		
Pn = 16 MPa: P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C.								
01 OST 24.125.54-89	20	28x3	50	22	20	56	Steel 20	1,98
02 OST 24.125.54-89	25	32x3	57	26	22			2,48
03 OST 24.125.54-89	32	38x3	65	32		65		3,07
04 OST 24.125.54-89	50	57x4	87	49	23	67		6,43
05 OST 24.125.54-89	80	89x6	120	77	33	90		10,4
06 OST 24.125.54-89	125	133x8	175	119	41	100		24,87
07 OST 24.125.54-89	150	159x9	203	142	47	130		35,04
08 OST 24.125.54-89	200	219x13	259	195	57	145		60,1
09 OST 24.125.54-89	250	273x16	312	244	65	165		94,4
10 OST 24.125.54-89	300	325x19	363	290	74	185		141,0
Pn = 16 MPa: P = 11,77 MPa, t = 250°C.								
11 OST 24.125.54-89	100	108x8	149	95	37	100	Steel 20	15,4
Pn = 16 MPa: P = 8,44 MPa, t = 300°C.								
12 OST 24.125.54-89	100	108x6	149	97	37	100	Steel 20	15,4
Pn = 10 MPa: P = 8,44 MPa, t = 300°C.								
13 OST 24.125.54-89	10	16x2	34	12	16	43	Steel 20	1,02
14 OST 24.125.54-89	400	426x24	473	382	76	200		216,44
Pn = 6,3 MPa: P = 5,89 MPa, t = 275°C.								
15 OST 24.125.54-89	50	57x4	87	49	23	67	Steel 20	4,59
16 OST 24.125.54-89	65	76x4	109	68	25	72		6,16
17 OST 24.125.54-89	80	89x6	120	77	27			7,17
18 OST 24.125.54-89	100	108x6	149	97	29	77		10,7
19 OST 24.125.54-89	125	133x6,5	175	122	33	95		16,94
20 OST 24.125.54-89	150	159x7	203	148	35	105		25,4
21 OST 24.125.54-89	200	219x9	259	204	41	110		38,5
22 OST 24.125.54-89	250	273x10	312	256	45	115		53,8
23 OST 24.125.54-89	300	325x13	363	303	50	120		74,6
24 OST 24.125.54-89	350	377x13	421	354	56	140		106,0
25 OST 24.125.54-89	400	426x14	473	401	62	155		151,0
Pnom = 3,92 MPa.								
26 OST 24.125.54-89	10	16x2	34	12	14	33	Steel 20	0,69
27 OST 24.125.54-89	20	28x3	50	22		34		0,99
28 OST 24.125.54-89	25	32x3	57	26		36		1,19
29 OST 24.125.54-89	32	38x3	65	32	16	43		1,85
30 OST 24.125.54-89	50	57x4	87	49	17	45		2,79
31 OST 24.125.54-89	65	76x4	109	68	19	50		3,72
32 OST 24.125.54-89	80	89x4	120	81	21	55		4,81
33 OST 24.125.54-89	100	108x6	149	97	23	65		7,06
34 OST 24.125.54-89	125	133x6,5	175	122	25			10,17
35 OST 24.125.54-89	150	159x7	203	148	27			68

Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg
			D ₄	dp	b	h ₄		
36 OST 24.125.54-89	200	219x9	259	204	35	85	Steel 20	24,0
37 OST 24.125.54-89	250	273x10	312	256	39	98	Steel 20	37,3
38 OST 24.125.54-89	300	325x13	363	303	42	112		50,6
39 OST 24.125.54-89	350	377x13	421	354	48	116		69,6
40 OST 24.125.54-89	400	426x14	473	401	54	135		105,5
P _{nom} = 3,92 MPa, t = 200°C.								
41 OST 24.125.54-89	450	465x16	523	437	56	135	Steel 20	106,0
42 OST 24.125.54-89	600	630x17	677	598	58	140		195,08
43 OST 24.125.54-89	700	720x22	777	678	63	160		246,86
P _n = 1,0 MPa.								
44 OST 24.125.54-89	250	273x10	312	256	21	60	Steel 20	14,39

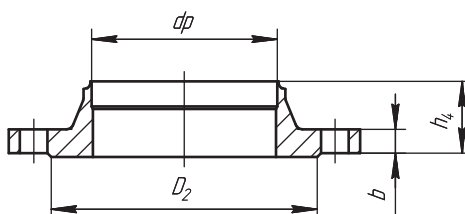
Socket weld neck flanges



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg
			D _B	dp	b	h ₄		
Pn = 16 MPa: Pnom = 11,77 MPa, t = 250°C; Pnom = 8,44 MPa, t = 300°C.								
01 OST 24.125.55-89	20	28x3	51	22	20	56	Steel 20	1,94
02 OST 24.125.55-89	25	32x3	58	26	22			2,44
03 OST 24.125.55-89	32	38x3	66	32		67		3,01
04 OST 24.125.55-89	50	57x4	88	49	23			6,4
05 OST 24.125.55-89	80	89x6	121	77	33	90		10,3
06 OST 24.125.55-89	125	133x8	176	119	41	115		23,1
07 OST 24.125.55-89	150	159x9	204	142	47	130		34,4
08 OST 24.125.55-89	200	219x13	260	195	57	145		60,0
09 OST 24.125.55-89	250	273x16	313	244	65	165		94,2
10 OST 24.125.55-89	300	325x19	364	290	74	185		140,0
Pn = 16 MPa: Pnom = 11,77 MPa, t = 250°C.								
11 OST 24.125.55-89	100	108x8	158	95	37	100	Steel 20	15,22
Pn = 16 MPa: Pnom = 8,44 MPa, t = 300°C.								
12 OST 24.125.55-89	100	108x6	158	97	37	100	Steel 20	15,22
Pn = 10 MPa: Pnom = 8,44 MPa, t = 300°C.								
13 OST 24.125.55-89	10	16x2	35	12	16	43	Steel 20	0,99
14 OST 24.125.55-89	400	426x24	474	382	76	200	Steel 20	211,86
Pn = 6,3 MPa: Pnom = 5,89 MPa, t = 275°C.								
15 OST 24.125.55-89	50	57x4	88	49	23	67	Steel 20	4,5
16 OST 24.125.55-89	65	76x4	110	68	25	72		6,05
17 OST 24.125.55-89	80	89x6	121	77	27			7,0
18 OST 24.125.55-89	100	108x6	150	97	29	77		10,5
19 OST 24.125.55-89	125	133x6,5	176	122	33	95		16,6
20 OST 24.125.55-89	150	159x7	204	148	35	105		24,1

Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg	
			Dв	dp	b	h ₄			
21 OST 24.125.55-89	200	219x9	260	204	41	110	Steel 20	36,11	
22 OST 24.125.55-89	250	273x10	313	256	45	115		50,3	
23 OST 24.125.55-89	300	325x13	364	303	50	120		68,3	
24 OST 24.125.55-89	350	377x13	422	354	56	140		98,5	
25 OST 24.125.55-89	400	426x14	474	401	62	155	Steel 20	137,0	
Pnom = 3,92 MPa, t = 200°C.									
26 OST 24.125.55-89	10	16x2	35	12	14	33	Steel 20	0,66	
27 OST 24.125.55-89	20	28x3	51	22		34		0,97	
28 OST 24.125.55-89	25	32x3	58	26		36		1,16	
29 OST 24.125.55-89	32	38x3	66	32	16	43		1,81	
30 OST 24.125.55-89	50	57x4	88	49	17	45		2,68	
31 OST 24.125.55-89	65	76x4	110	68	19	50		3,59	
32 OST 24.125.55-89	80	89x4	121	81	21	55		4,6	
33 OST 24.125.55-89	100	108x6	150	97	23	65		6,82	
34 OST 24.125.55-89	125	133x6,5	176	122	25			9,48	
35 OST 24.125.55-89	150	159x7	204	148	27	68		12,6	
36 OST 24.125.55-89	200	219x9	260	204	35	85		23,57	
37 OST 24.125.55-89	250	273x10	313	256	39	98		36,5	
38 OST 24.125.55-89	300	325x13	364	303	42	112		50,3	
39 OST 24.125.55-89	350	377x13	422	354	48	116		68,0	
40 OST 24.125.55-89	400	426x14	474	401	54	135		105,0	
41 OST 24.125.55-89	450	465x16	524	437	56			104,8	
42 OST 24.125.55-89	600	630x17	678	598	58			140	165,78
43 OST 24.125.55-89	700	720x22	778	678	63	160			209,59
Pn = 1,0 MPa.									
44 OST 24.125.55-89	250	273x10	313	256	21	60	Steel 20	10,27	

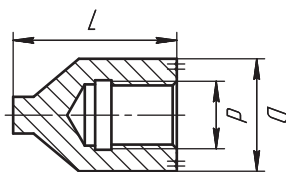
Weld neck raised flanges



Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg
			D ₂	dp	b	h ₄		
Pn = 0,6 MPa.								
01 OST 24.125.56-89	80	89x4	128	81	13	37	Steel 20	2,76
02 OST 24.125.56-89	100	108x6	148	97		38		3,35
03 OST 24.125.56-89	125	133x6,5	178	122	15	40		4,66
04 OST 24.125.56-89	150	159x7	202	148		43		5,37
05 OST 24.125.56-89	200	219x9	258	204	17	50		8,37
06 OST 24.125.56-89	250	273x10	312	256	18			10,99
07 OST 24.125.56-89	300	325x13	365	303				14,82
08 OST 24.125.56-89	350	377x13	415	354				17,69
09 OST 24.125.56-89	400	426x14	465	401				20,55
10 OST 24.125.56-89	450	465x16	520	437				23,63
11 OST 24.125.56-89	500	530x8	570	514	19			55
12 OST 24.125.56-89	600	630x8	670	614		35,79		
13 OST 24.125.56-89	700	720x8	775	704		44,31		
14 OST 24.125.56-89	800	820x9	880	802		60		

Indexing	Nominal inside diam. Dn	Dimensions of connecting pipes	Dimensions of flanges, mm				Steel grade	Weight, kg
			D ₂	dp	b	h ₄		
Pn = 1,0 MPa.								
15 OST 24.125.56-89	200	219x9	268	204	19	58	Steel 20	11,35
16 OST 24.125.56-89	250	273x10	320	256	21	60	Steel 20	14,64
17 OST 24.125.56-89	300	325x13	370	303	22			18,66
18 OST 24.125.56-89	350	377x13	430	354				24,0
19 OST 24.125.56-89	400	426x14	482	401				30,0
20 OST 24.125.56-89	450	465x16	532	437	24	33,33		
21 OST 24.125.56-89	500	530x8	585	514		39,2		
22 OST 24.125.56-89	600	630x8	685	614		48,8		
23 OST 24.125.56-89	700	720x8	800	704		25		65,26
24 OST 24.125.56-89	800	820x9	905	802	27	75		87,24
Pn = 1,6 MPa.								
25 OST 24.125.56-89	100	108x6	158	97	17	50	Steel 20	4,9
26 OST 24.125.56-89	125	133x6,5	184	122	19	57		6,75
27 OST 24.125.56-89	150	159x7	212	148				8,3
28 OST 24.125.56-89	200	219x9	268	204	21	58		11,79
29 OST 24.125.56-89	250	273x10	320	256	23	65		17,36
30 OST 24.125.56-89	300	325x13	370	303	24	66		22,76
31 OST 24.125.56-89	350	377x13	430	354	28	70		32,04
32 OST 24.125.56-89	400	426x14	482	401	32	75		43,0
33 OST 24.125.56-89	500	530x12	585	506	38	90		70,97
34 OST 24.125.56-89	600	630x12	685	606	41			99,3
Pn = 2,5 MPa.								
35 OST 24.125.56-89	80	89x4	133	81	19	52	Steel 20	4,44
36 OST 24.125.56-89	100	108x6	158	97	21	58		6,51
37 OST 24.125.56-89	125	133x6,5	184	122	23	65		9,41
38 OST 24.125.56-89	150	159x7	212	148	25	68		12,52
39 OST 24.125.56-89	200	219x9	278	204	27	75		17,44
40 OST 24.125.56-89	250	273x10	335	256	29			24,4
41 OST 24.125.56-89	300	325x13	390	303	32	80		33,29
42 OST 24.125.56-89	350	377x13	450	354	36	85		46,57
43 OST 24.125.56-89	400	426x14	505	401	40	100		64,81
44 OST 24.125.56-89	500	530x12	615	506	44			88,91
45 OST 24.125.56-89	600	630x12	720	606	49			115

Bosses



Indexing	Dimensions, mm			Material	Weight, kg
	d	D	L		
P = 11,77 MPa, t = 250°C; P = 8,44 MPa, t = 300°C; P = 5,89 MPa, t = 275°C; P = 3,92 MPa, t = 200°C.					
01 OST 24.125.57-89	M20x1,5	34	80	Steel 20	0,35
02 OST 24.125.57-89			110		0,56
03 OST 24.125.57-89	M27x2	44	80		0,54
04 OST 24.125.57-89			110		0,81
05 OST 24.125.57-89	M33x2	55	80		0,82
06 OST 24.125.57-89			110		1,25
07 OST 24.125.57-89	M39x2	78	80		1,63
08 OST 24.125.57-89			110		1,95



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of austenitic and pearlitic steels**

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