

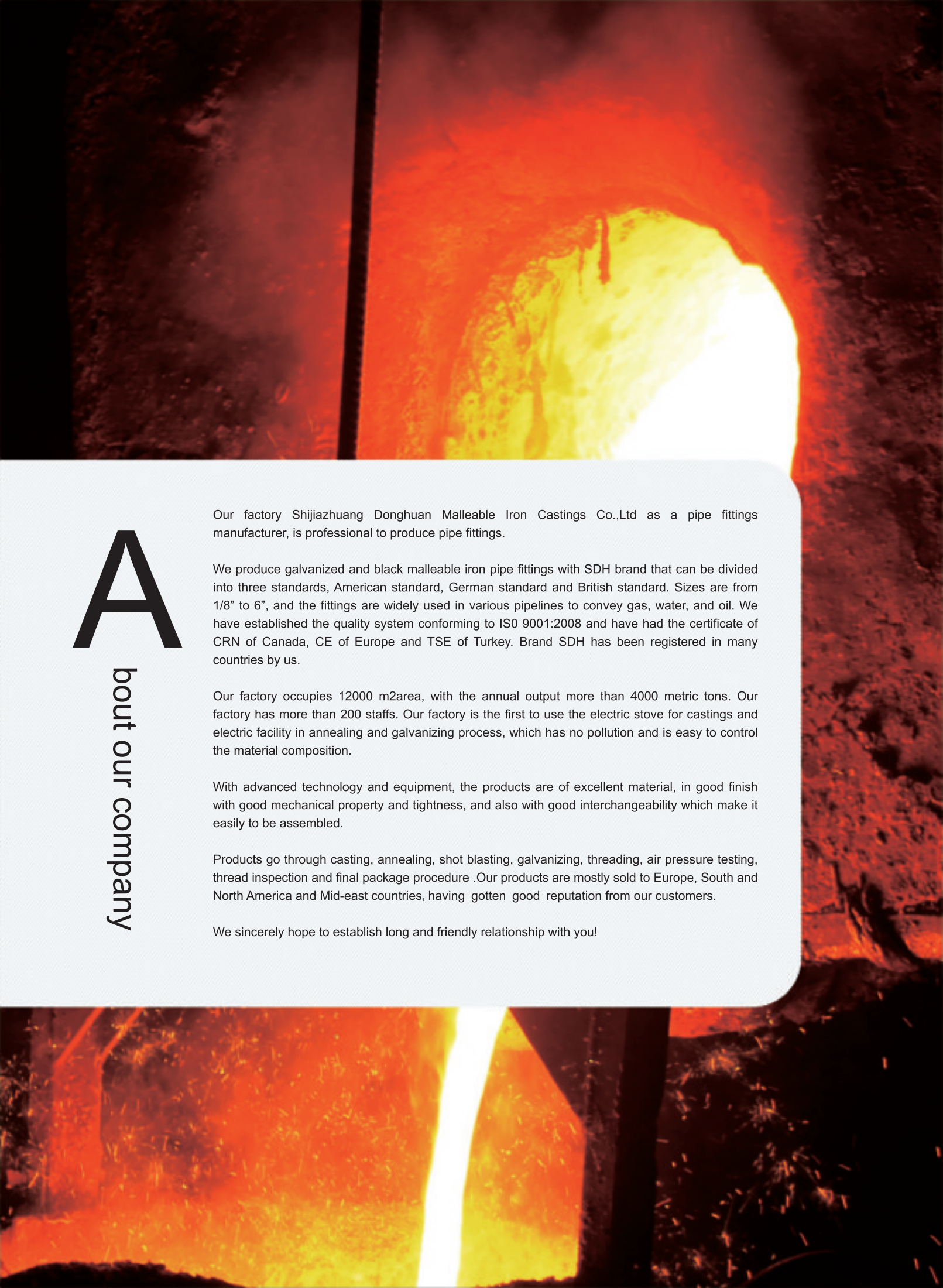
DONGHUAN

Malleable Iron Castings Co., Ltd



Founded in 1986

DURABLE QUALITY

The background of the entire page is a high-contrast, close-up photograph of molten metal, likely iron or steel, glowing with intense orange and yellow light. The texture of the molten surface is visible, showing ripples and some darker, more solid-looking areas. The lighting is dramatic, with deep shadows and bright highlights, emphasizing the heat and industrial nature of the scene.

A

bout our company

Our factory Shijiazhuang Donghuan Malleable Iron Castings Co.,Ltd as a pipe fittings manufacturer, is professional to produce pipe fittings.

We produce galvanized and black malleable iron pipe fittings with SDH brand that can be divided into three standards, American standard, German standard and British standard. Sizes are from 1/8" to 6", and the fittings are widely used in various pipelines to convey gas, water, and oil. We have established the quality system conforming to ISO 9001:2008 and have had the certificate of CRN of Canada, CE of Europe and TSE of Turkey. Brand SDH has been registered in many countries by us.

Our factory occupies 12000 m2area, with the annual output more than 4000 metric tons. Our factory has more than 200 staffs. Our factory is the first to use the electric stove for castings and electric facility in annealing and galvanizing process, which has no pollution and is easy to control the material composition.

With advanced technology and equipment, the products are of excellent material, in good finish with good mechanical property and tightness, and also with good interchangeability which make it easily to be assembled.

Products go through casting, annealing, shot blasting, galvanizing, threading, air pressure testing, thread inspection and final package procedure .Our products are mostly sold to Europe, South and North America and Mid-east countries, having gotten good reputation from our customers.

We sincerely hope to establish long and friendly relationship with you!



P08

DIN standard beaded malleable iron pipe fittings



P10

British and American standard banded malleable iron pipe fittings



P12

Pipe clamps fittings



P14

Valve



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Steam couplings



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Gas meter Connection



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Air hose couplings



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Double bolt clamps



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Stainless steel pipe fittings



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Explosion-proof pipe unions



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Malleable iron conduit bodys



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Steel pipe nipples



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Pipe hangers and brackets



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Camlock couplings



P19

Fast couplings

SDH

The production process



Mould Room

Casting Workshop



Casting Workshop



Casting Workshop



Casting Workshop





DONGHUAN
MALLEABLE
IRON



Casting Workshop



Unannealed Products



Annealing



New Annealing Stove



Turnover Box



Shot Blasting



Pressure Testing



Clearing Ends



Threading Process



Threading Process



Pressure Testing



Assembling



Warehouse



Sample Room



Sample Room



Testing Equipment



Zinc layer uniformity testing equipment



C.S. analytical equipment



Angle detection device



Omnipotent testing machine



Thread detection tool



Zinc layer analysis equipment



Zinc coating thickness gauge



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IRON



Quality Checking Department

Castings Workshop	The production records of electric furnace
	The records of picking roughcast
	The records of annealing
	The records of squashed
	The records of elemental analysis
Surface Amend Workshop	The weight records of remove burr
Threading Workshop	The records of machining union
	The records of thread checking
	The records of threading concentric
Air Pressure Testing	The records of pressure checking
Packing Workshop	Warehouse receipts



SDH

Packaging and certificate



 Fittings		www.sdhw.com	
SDH MALLEABLE IRON PIPE FITTINGS			
DESC	Elbow F&F	QTY	
SIZE		TYPE	GALV.
ITEM	90		
NOM		QTY	
QTY			
F&F			
SDH			
BATH CONTROL NO.			

The label size: 10CM×9CM



CARTON SIZE: 40CM×26.5CM×19.5CM

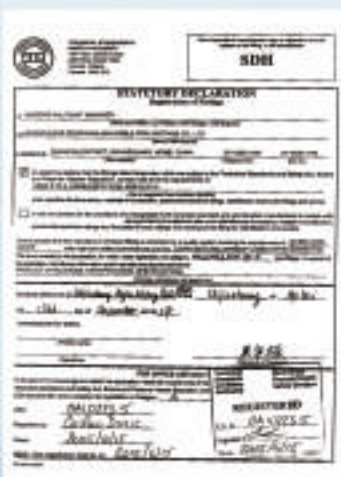


PALLET SIZE: 110CM×81CM×14CM

Carton tray sketch
whole pallet size:
110cm × 81cm × 114cm
1 container=28pallets=1120cases
1 pallet=8 cases × 5layers=40cases



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DIN standard beaded malleable iron pipe fittings



1 Bend 90°, male and female



2 Bend 90° female



3 Bend 90°, male



41 Bend 45°, male and female



85 Crossover



90 Elbow 90°



90R Elbow 90°, reducing black



90R Elbow 90°, reducing



92 Street Elbow, 90°



92 Street Elbow, 90° black



120 Elbow 45°



121 Street elbow, 45°



130 Tee



130 Tee black



130R Reducing tee



130 Tee black



165 Lateral Y branch 45°



180 Cross



180 Cross black



223 Side outlet tee



240 Socket reducing



240 Socket reducing black



241 Bushing



241 Bushing black



245 Hexagon nipple reducing

Material: ASTM A-197, ASTM A47, DIN EN 1562

Dimensions: DIN EN 10242

Threads: ISO7-1, DIN 2999

Size Available: 1/8"-6"



245 Hexagon nipple
reducing black



246 Extension piece,
sockets M&F, reducing



270 Socket parallel
threads equal



270 Socket parallel
threads equal black



280 Hexagon Nipple,
equal



280 Hexagon nipple
reducing black



290 Plug beaded



300 Hexagon cap



310 Backnut



321 Round flange
with 4 bolt holes



Union



Union black



330 Union, flat seat,
hexagon, without gasket



340 Union, conical joint,
iron to iron seat



Whole Union, M&F, conical
joint, iron to iron seat



331 Union, M&F, flat seat,
without gasket



341 Union, M&F, conical
joint, iron to iron seat



Union Elbow



95 Union elbow,
F&F, flat without gasket



96 Union elbow, F&F,
conical joint iron to iron



Union elbow M&F flat
seat without gasket



97 Union Elbow, M&F,
flat seat without gasket



98 Union elbow, M&F,
conical joint iron to iron



529
Extension long piece



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MALLEABLE
IRON



British and American standard banded malleable iron pipe fittings

British

Material: ASTM A-197, ASTM A47

Dimensions : BS EN 10242, BS 143&1256

Threads: ISO7/1

Size Available: 1/8"-6"

American

Material: ASTM A-197, ASTM A47

ASME B16.3, B16.14

ANSI B1.20.1

Threads: ISO7/1

Size Available: 1/8"-6"



				
165 Lateral Y branch, 45°	180 Cross	180 Cross black	220 Socket	220 Socket black
				
240 Socket, reducing	240 Socket, reducing black	241 Bushing	241 Bushing black	245 Hexagon nipple, reducing
				
245 Hexagon nipple, reducing black	280 Hexagon Nipple, equal	280 Hexagon nipple, reducing black	291 Plug, pain	291 Plug, pain black
				
301 Round cap	301 Round cap black	310 Backnut	321 Round flange, with 4 bolt holes	Union
				
Union black	330 Union, flat seat, hexagon, without gasket	340 Union, conical joint, iron to iron seat	342 Union, conical joint, brass to iron seat	529 Extension long piece



Pipe clamps fittings



Material :

ASTM A 197

Surface:

hot dipped galvanized

Size:

Pipe Clamp Size	Nominal Bore	Outside Diameter
T21	1/2"	21.3mm
A27	3/4"	26.9mm
B34	1"	33.7mm
C42	1-1/4"	42.4mm
D48	1-1/2"	48.3mm
E60	2"	60.3mm

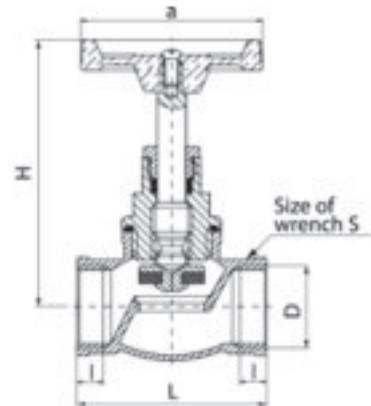






Valve

Material: Malleable Iron
Threads: ISO7/1
Nominal Pressure: 1.6MPa
Test Pressure: 2.4 Mpa
Suitable Temperature: $\leq 200^{\circ}\text{C}$
Suitable Medium: water, steam, oil
Size Available: 1/2"-2"



Valve body (black)



Valve



Valve body (galvanized)



Bibcock

Steam couplings



Hose stem w/wing-nut
Female spud



Male Pipe stem only



Female Spud only



Double Male Spud



Hose stem only



Male spud



Swivel nut

Gas meter Connection



Air hose couplings





Double bolt clamps



Yellow-double bolt
hose clamp



Yellow-double bolt clamp



White-Double bolt clamp



9807



9811



Boss clamps



Boss clamps



Square clamp

Stainless steel pipe fittings



Stainless steel-90 Elbow



Stainless steel-130 tee



Stainless
steel-241 Bushing



Stainless steel-220 Socket



Stainless steel-270 Socket,
parallel threads, equal



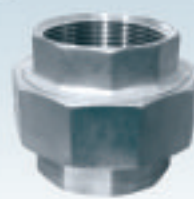
Stainless
steel-280 Nipple



Stainless steel-330 Union,
flat seat, hexagon, without gasket



Stainless steel-340 Union,
conical joint, iron to iron seat

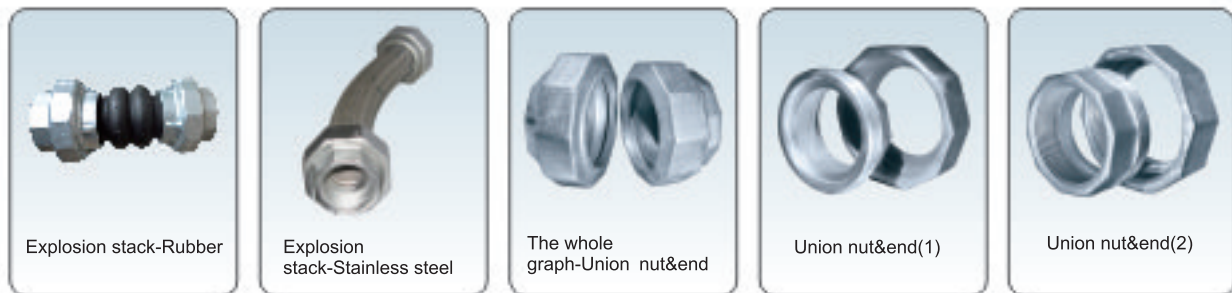


Stainless steel-Union



The whole graph of Stainless
steel-241 Bushing

Explosion-proog pipe unions



Malleable iron conduit bodys

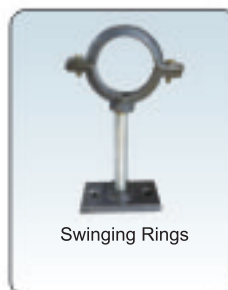
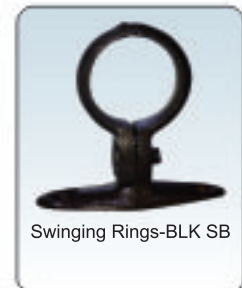
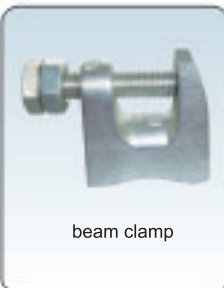




Steel pipe nipples



Pipe hangers and brackets

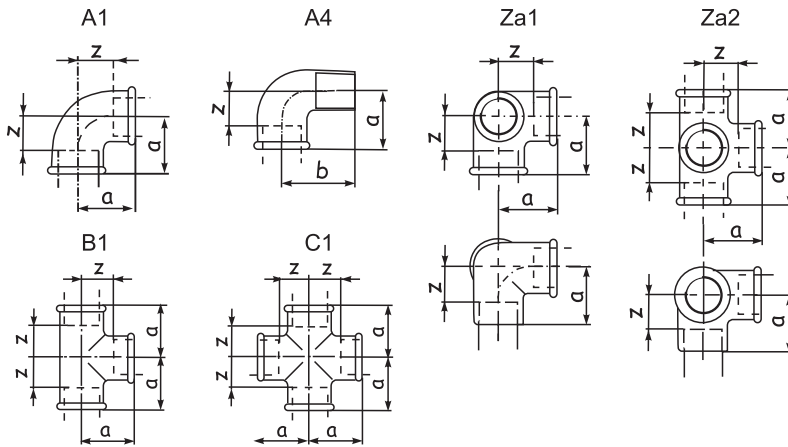


Camlock couplings

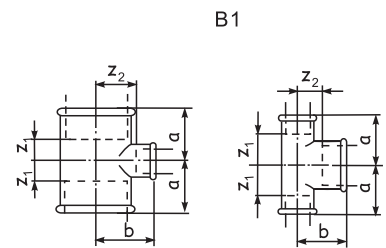


Fast couplings

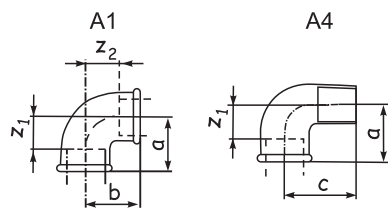




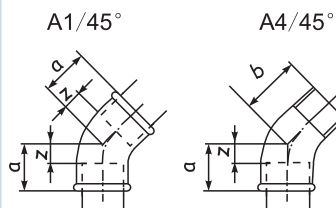
A1	A4	B1	C1	Za1	Za2	a	b	z
1/8	1/8	1/8	—	—	—	19	25	12
1/4	1/4	1/4	(1/4)	—	—	21	28	11
3/8	3/8	3/8	3/8	(3/8)	(3/8)	25	32	15
1/2	1/2	1/2	1/2	1/2	(1/2)	28	37	15
3/4	3/4	3/4	3/4	3/4	(3/4)	33	43	18
1	1	1	1	(1)	(1)	38	52	21
1 1/4	1 1/4	1 1/4	1 1/4	—	—	45	60	26
1 1/2	1 1/2	1 1/2	1 1/2	—	—	50	65	31
2	2	2	2	—	—	58	74	34
2 1/2	2 1/2	2 1/2	(2 1/2)	—	—	69	88	42
3	3	3	(3)	—	—	78	98	48
4	4	4	(4)	—	—	96	118	60
(5)	—	(5)	—	—	—	115	—	75
(6)	—	(6)	—	—	—	131	—	91



B1	a	b	z ₁	z ₂
3/8 × 1/4	23	23	13	13
1/2 × 1/4	24	24	11	14
1/2 × 3/8	26	26	13	16
(3/4 × 1/4)	26	27	11	17
3/4 × 3/8	28	28	13	18
3/4 × 1/2	30	31	15	18
(1 × 1/4)	28	31	11	21
1 × 3/8	30	32	13	22
1 × 1/2	32	34	15	21
1 × 3/4	35	36	18	21
(1 1/4 × 3/8)	32	36	13	26
1 1/4 × 1/2	34	38	15	25
1 1/4 × 3/4	36	41	17	26
1 1/4 × 1	40	42	21	25
1 1/2 × 1/2	36	42	17	29
1 1/2 × 3/4	38	44	19	29
1 1/2 × 1	42	46	23	29
1 1/2 × 1 1/4	46	48	27	29
2 × 1/2	38	48	14	35
2 × 3/4	40	50	16	35
2 × 1	44	52	20	35
2 × 1 1/4	48	54	24	35
2 × 1 1/2	52	55	28	36
2 1/2 × 1	47	60	20	43
2 1/2 × 1 1/4	52	62	25	43
2 1/2 × 1 1/2	55	63	28	44
2 1/2 × 2	61	66	34	42
3 × 1	51	67	21	50
(3 × 1 1/4)	55	70	25	51
3 × 1 1/2	58	71	28	52
3 × 2	64	73	34	49
3 × 2 1/2	72	76	42	49
4 × 2	70	86	34	62
4 × 3	84	92	48	62
3/8 × 1/2	26	26	16	13
1/2 × 3/4	31	30	18	15
(1/2 × 1)	34	32	21	15
3/4 × 1	36	35	21	18
(3/4 × 1 1/4)	41	36	26	17
1 × 1 1/4	42	40	25	21
(1 × 1 1/2)	46	42	29	23
1 1/4 × 1 1/2	48	46	29	27
(1 1/4 × 2)	54	48	35	24
1 1/2 × 2	55	52	36	28

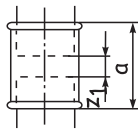


A1	A4	a	b	c	z ₁	z ₂
(3/8 × 1/4)	—	23	23	—	13	13
1/2 × 3/8	1/2 × 3/8	26	26	33	13	16
(3/4 × 3/8)	—	28	28	—	13	18
3/4 × 1/2	3/4 × 1/2	30	31	40	15	18
1 × 1/2	—	32	34	—	15	21
1 × 3/4	1 × 3/4	35	36	46	18	21
1 1/4 × 3/4	—	36	41	—	17	26
1 1/4 × 1	1 1/4 × 1	40	42	56	21	25
(1 1/2 × 1)	—	42	46	—	23	29
1 1/2 × 1 1/4	—	46	48	—	27	29
2 × 1 1/2	—	52	55	—	28	36
(2 1/2 × 2)	—	61	66	—	34	42

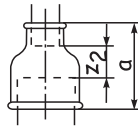


A1/45°	A4/45°	a	b	z
3/8	3/8	20	25	10
1/2	1/2	22	28	9
3/4	3/4	25	32	10
1	1	28	37	11
1 1/4	1 1/4	33	43	14
1 1/2	1 1/2	36	46	17
2	2	43	55	19

M2
M2 R-L

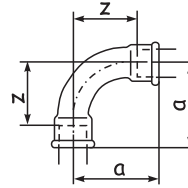


M2

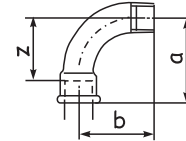


M2	M2 R-L	M2 reduziert	a	z ₁	z ₂
1/8	—	—	25	11	—
1/4	—	1/4 × 1/8	27	7	10
3/8	3/8	(3/8 × 1/8) 3/8 × 1/4	30	10	13
1/2	1/2	1/2 × 1/4 1/2 × 3/8	36	10	13
3/4	3/4	(3/4 × 1/4) 3/4 × 3/8 3/4 × 1/2	39	9	14
1	1	1 × 3/8 1 × 1/2 1 × 3/4	45	11	15
1 1/4	1 1/4	1 1/4 × 1/2 1 1/4 × 3/4 1 1/4 × 1	50	12	16
1 1/2	1 1/2	(1 1/2 × 1/2) 1 1/2 × 3/4 1 1/2 × 1 1 1/2 × 1 1/4	55	17	21
2	2	((2 × 1/2)) (2 × 3/4) 2 × 1 2 × 1 1/4 2 × 1 1/2	65	17	22
2 1/2	—	(2 1/2 × 1 1/4) (2 1/2 × 1 1/2) (2 1/2 × 2)	74	20	28
3	—	(3 × 1 1/2) (3 × 2) (3 × 2 1/2)	80	20	31
4	—	(4 × 2) (4 × 2 1/2) (4 × 3)	94	22	34
(5)	—	—	109	29	—
(6)	—	—	120	40	—

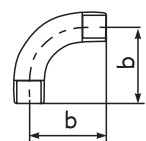
G1



G4

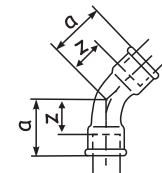


G8

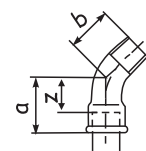


G1	G4	G8	a	b	z
—	(1/8)	—	35	32	28
1/4	1/4	—	40	36	30
3/8	3/8	(3/8)	48	42	38
1/2	1/2	1/2	55	48	42
3/4	3/4	3/4	69	60	54
1	1	1	85	75	68
1 1/4	1 1/4	(1 1/4)	105	95	86
1 1/2	1 1/2	(1 1/2)	116	105	97
2	2	(2)	140	130	116
2 1/2	(2 1/2)	—	176	165	149
3	(3)	—	205	190	175
4	(4)	—	260	245	224

G1/45°



G4/45°

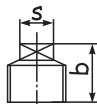


G1/45°	G4/45°	a	b	z
—	(1/4)	26	21	16
(3/8)	3/8	30	24	20
1/2	1/2	36	30	23
3/4	3/4	43	36	28
1	1	51	42	34
1 1/4	1 1/4	64	54	45
1 1/2	1 1/2	68	58	49
2	2	81	70	57
(2 1/2)	(2 1/2)	91	86	72
(3)	(3)	113	100	83

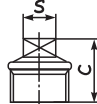
T1



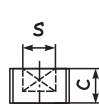
T8



T9

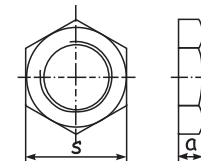


T11

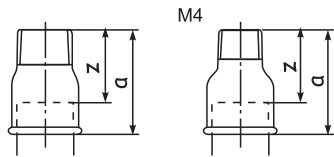


T1	T8	T9	T11	a min.	b min.	c min.	d min.
(1/8)	1/8	1/8	—	13	11	20	—
1/4	1/4	1/4	—	15	14	22	—
3/8	3/8	3/8	(3/8)	17	15	24	11
1/2	1/2	1/2	(1/2)	19	18	26	15
3/4	3/4	3/4	(3/4)	22	20	32	16
1	1	1	(1)	24	23	36	19
1 1/4	1 1/4	1 1/4	—	27	29	39	—
1 1/2	1 1/2	1 1/2	—	27	30	41	—
2	2	2	—	32	36	48	—
2 1/2	2 1/2	2 1/2	—	35	39	54	—
3	3	3	—	38	44	60	—
4	4	4	—	45	58	70	—

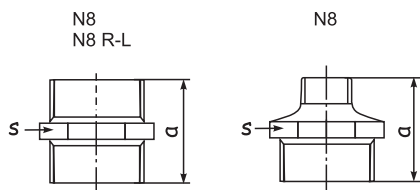
P4*)



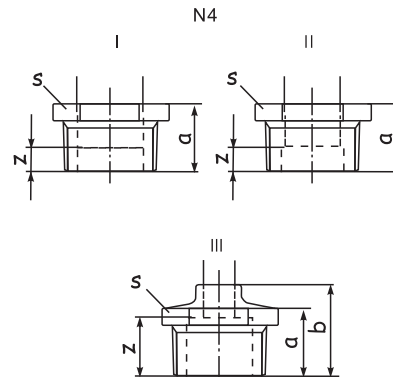
P4*)	a min.
1/4	6
3/8	7
1/2	8
3/4	9
1	10
1 1/4	11
1 1/2	12
2	13
2 1/2	16
3	19



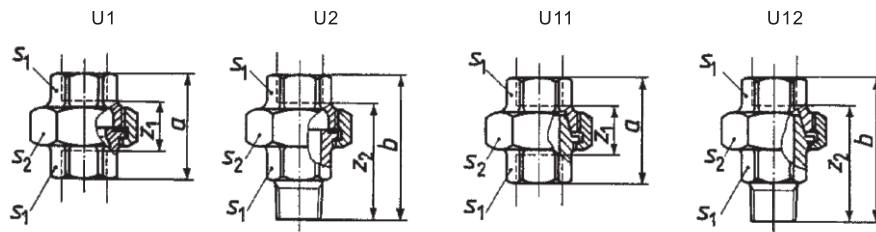
M4	M4 reduziert	a	z
$\frac{3}{8}$	$\frac{3}{8} \times \frac{1}{4}$	35	25
$\frac{1}{2}$	$\frac{1}{2} \times \frac{1}{4}$ $\frac{1}{2} \times \frac{3}{8}$	43	30
$\frac{3}{4}$	$(\frac{3}{4} \times \frac{3}{8})$ $\frac{3}{4} \times \frac{1}{2}$	48	33
1	$1 \times \frac{1}{2}$ $1 \times \frac{3}{4}$	55	38
$1\frac{1}{4}$	$1\frac{1}{4} \times \frac{3}{4}$ $1\frac{1}{4} \times 1$	60	41
—	$1\frac{1}{2} \times 1$ $1\frac{1}{2} \times 1\frac{1}{4}$	63	44
—	$(2 \times 1\frac{1}{4})$ $(2 \times 1\frac{1}{2})$	70	46



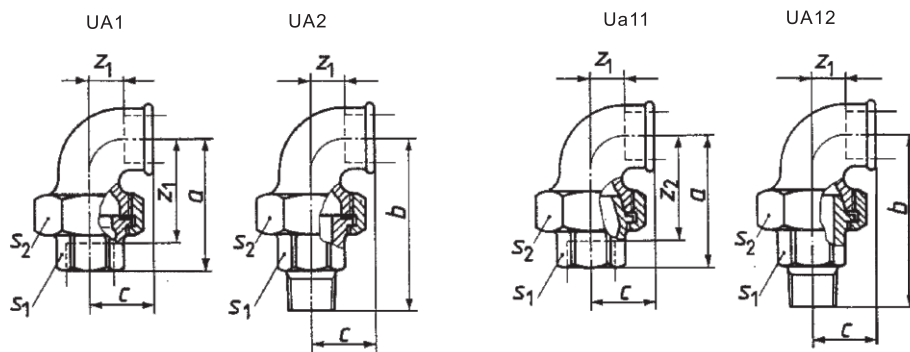
N8	N8 R-L	N8 reduziert	a
$\frac{1}{8}$	—	—	29
$\frac{1}{4}$	—	—	36
$\frac{3}{8}$	—	$\frac{3}{8} \times \frac{1}{4}$	38
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2} \times \frac{1}{4}$ $\frac{1}{2} \times \frac{3}{8}$	44
$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4} \times \frac{3}{8}$ $\frac{3}{4} \times \frac{1}{2}$	47
1	(1)	$1 \times \frac{1}{2}$ $1 \times \frac{3}{4}$	53
$1\frac{1}{4}$	—	$(1\frac{1}{4} \times \frac{1}{2})$ $1\frac{1}{4} \times \frac{3}{4}$ $1\frac{1}{4} \times 1$	57
$1\frac{1}{2}$	—	$(1\frac{1}{2} \times \frac{3}{4})$ $1\frac{1}{2} \times 1$ $1\frac{1}{2} \times 1\frac{1}{4}$	59
2	—	(2×1) $2 \times 1\frac{1}{4}$ $2 \times 1\frac{1}{2}$	68
$2\frac{1}{2}$	—	$(2\frac{1}{2} \times 2)$	75
3	—	3×2 $(3 \times 2\frac{1}{2})$	83
4	—	—	95



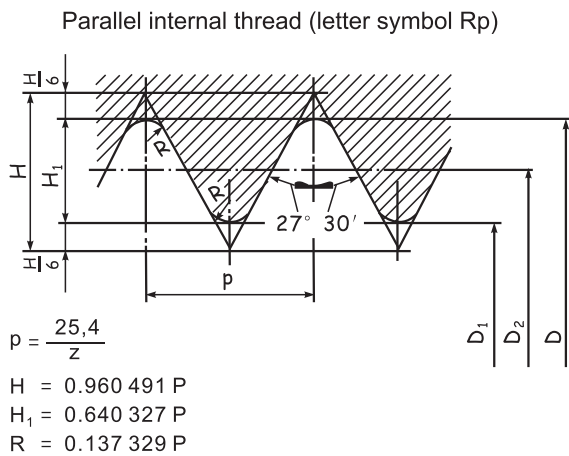
N4		a	b	z
$\frac{1}{4} \times \frac{1}{8}$	I	20	—	13
$\frac{3}{8} \times \frac{1}{8}$	II	20	—	13
$\frac{3}{8} \times \frac{3}{4}$	I	20	—	10
$\frac{1}{2} \times \frac{1}{8}$	II	24	—	17
$\frac{1}{2} \times \frac{1}{4}$	II	24	—	14
$\frac{1}{2} \times \frac{3}{8}$	I	24	—	14
$\frac{3}{4} \times \frac{1}{4}$	II	26	—	16
$\frac{3}{4} \times \frac{3}{8}$	II	26	—	16
$\frac{3}{4} \times \frac{1}{2}$	I	26	—	13
$1 \times \frac{1}{4}$	II	29	—	19
$1 \times \frac{3}{8}$	II	29	—	19
$1 \times \frac{1}{2}$	II	29	—	16
$1 \times \frac{3}{4}$	I	29	—	14
$1\frac{1}{4} \times \frac{3}{8}$	II	31	—	21
$1\frac{1}{4} \times \frac{1}{2}$	II	31	—	18
$1\frac{1}{4} \times \frac{3}{4}$	II	31	—	16
$1\frac{1}{4} \times 1$	I	31	—	14
$(1\frac{1}{2} \times \frac{3}{8})$	II	31	—	21
$1\frac{1}{2} \times \frac{1}{2}$	II	31	—	18
$1\frac{1}{2} \times \frac{3}{4}$	II	31	—	16
$1\frac{1}{2} \times 1$	II	31	—	14
$1\frac{1}{2} \times 1\frac{1}{4}$	I	31	—	12
$2 \times \frac{1}{2}$	III	35	48	35
$2 \times \frac{3}{4}$	III	35	48	33
2×1	II	35	—	18
$2 \times 1\frac{1}{4}$	II	35	—	16
$2 \times 1\frac{1}{2}$	II	35	—	16
$2\frac{1}{2} \times 1$	III	40	54	37
$2\frac{1}{2} \times 1\frac{1}{4}$	III	40	54	35
$2\frac{1}{2} \times 1\frac{1}{2}$	II	40	—	21
$2\frac{1}{2} \times 2$	II	40	—	16
3×1	III	44	59	42
$3 \times 1\frac{1}{4}$	III	44	59	40
$3 \times 1\frac{1}{2}$	III	44	59	40
3×2	II	44	—	20
$3 \times 2\frac{1}{2}$	II	44	—	17
4×2	III	51	69	45
$4 \times 2\frac{1}{2}$	III	51	69	42
4×3	II	51	—	21



U1	U2	U11	U12	a	b	z ₁	z ₂
—	—	(1/8)	—	38	—	24	—
1/4	1/4	1/4	1/4	42	55	22	45
3/8	3/8	3/8	3/8	45	58	25	48
1/2	1/2	1/2	1/2	48	66	22	53
3/4	3/4	3/4	3/4	52	72	22	57
1	1	1	1	58	80	24	63
1 1/4	1 1/4	1 1/4	1 1/4	65	90	27	71
1 1/2	1 1/2	1 1/2	1 1/2	70	95	32	76
2	2	2	2	78	106	30	82
2 1/2	—	2 1/2	2 1/2	85	118	31	91
3	—	3	3	95	130	35	100
—	—	4	—	110	—	38	—



UA1	UA2	UA11	UA12	a	b	c	z ₁	z ₂
—	—	1/4	1/4	48	61	21	11	38
3/8	3/8	3/8	3/8	52	65	25	15	42
1/2	1/2	1/2	1/2	58	76	28	15	45
3/4	3/4	3/4	3/4	62	82	33	18	47
1	1	1	1	72	94	38	21	55
1 1/4	1 1/4	1 1/4	1 1/4	82	107	45	26	63
1 1/2	1 1/2	1 1/2	1 1/2	90	115	50	31	71
2	2	2	2	100	128	58	34	76



Taper external thread (letter symbol R)
(taper 1:16)

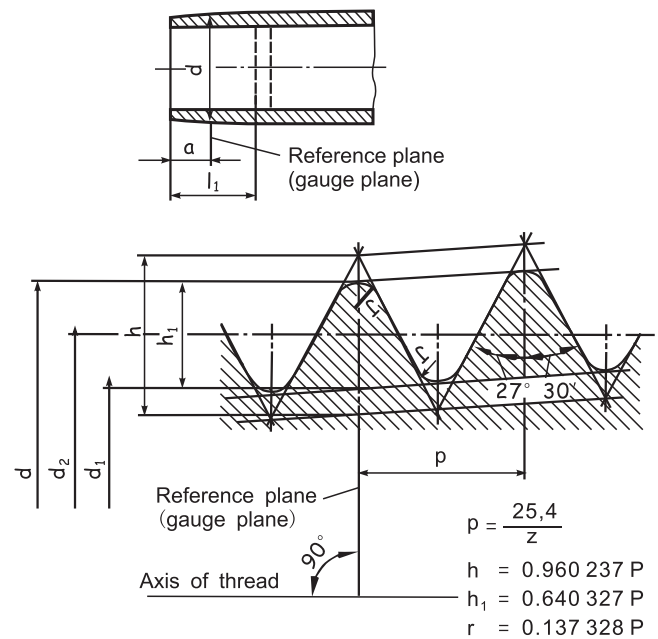


Table 1. Nominal dimensions

1	2	3	4	5	6	7	8	9	10	11	12
Thread size		Nominal size of pipe	Gauge length	Outside diameter	Pitch diameter	Minor diameter	Pitch	Number of threads in 25,4mm Z	Depth of thread	Radius	Length of useful thread
External thread	Internal thread		a	d=D	d ₂ =D ₂	d ₁ =D ₁	P		h ₁ =H ₁	r=R ≈	l ₁
R 1/16	Rp 1/16	3	4,0	7,723	7,142	6,561	0,907	28	0,581	0,125	6,5
R 1/8	Rp 1/8	6	4,0	9,728	9,147	8,566	0,907	28	0,581	0,125	6,5
R 1/4	Rp 1/4	8	6,0	13,157	12,301	11,445	1,337	19	0,856	0,184	9,7
R 3/8	Rp 3/8	10	6,4	16,662	15,806	14,950	1,337	19	0,856	0,184	10,1
R 1/2	Rp 1/2	15	8,2	20,955	19,793	18,631	1,814	14	1,162	0,249	13,2
R 3/4	Rp 3/4	20	9,5	26,441	25,279	24,117	1,814	14	1,162	0,249	14,5
R 1	Rp 1	25	10,4	33,249	31,770	30,291	2,309	11	1,479	0,317	16,8
R 1 1/4	Rp 1 1/4	32	12,7	41,910	40,431	38,952	2,309	11	1,479	0,317	19,1
R 1 1/2	Rp 1 1/2	40	12,7	47,803	46,324	44,845	2,309	11	1,479	0,317	19,1
R 2	Rp 2	50	15,9	59,614	58,135	56,656	2,309	11	1,479	0,317	23,4
R 2 1/2	Rp 2 1/2	65	17,5	75,184	73,705	72,226	2,309	11	1,479	0,317	26,7
R 3	Rp 3	80	20,6	87,884	86,405	84,926	2,309	11	1,479	0,317	29,8
R 4	Rp 4	100	25,4	113,030	111,551	110,072	2,309	11	1,479	0,317	35,8
R 5	Rp 5	125	28,6	138,430	136,951	135,472	2,309	11	1,479	0,317	40,1
R 6	Rp 6	150	28,6	163,830	162,351	160,872	2,309	11	1,479	0,317	40,1

[illegible]



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