HYDROFIRE ΕΠΕ

Buildings - Industry - Marine – Waterworks

END OF AG. PANTELEIMONOS Str. (ELEONAS)
GR-12241 EGALEO,
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RACCORDI FORGIATI

FORGED STEEL FITTINGS

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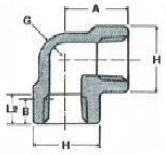
Raccordi filettati - Threaded fittings

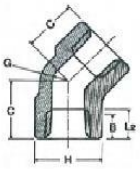
Gomiti 90°
90° Elbows

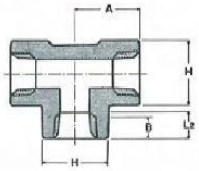
Gomiti 45°
45° Elbows

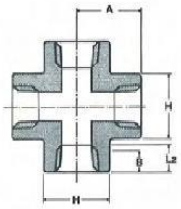
Tee
Equal tees

Croci
Crosses









Ø NOMINALE PIPE SIZE		1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
LUNGHEZZA MINIMA FILETTATURA	B	6.5	8	9	11	12.5	14.5	17	18	19	23.5	26	27.5
LENGTH OF THREAD. MIN.	L2	6.5	10	10.5	13.5	14	17.5	18	18.5	19	29	30.5	33
2000 LBS	A	21	21	25	29	33	38	44	51	60	76	86	106
	C	17	17	19	22	25	29	33	35	43	52	64	79
	H	22	22	25	33	38	46	56	62	75	92	110	146
	G	3	3	3	3	3	3.5	4	4	4.5	5.5	6	6.5
3000 LBS	A	21	25	29	33	38	44	51	60	64	83	95	114
	C	17	19	22	25	29	33	35	43	45	52	64	79
	H	22	25	33	38	46	56	62	75	84	102	121	152
	G	3	3.5	3.5	4	4.5	5	5.5	5.5	7	7.5	9	11
6000 LBS	A	25	29	33	38	44	51	60	64	83	95	106	114
	C	19	22	25	29	33	35	43	44	52	64	79	79
	H	25	33	38	46	56	62	75	84	102	121	146	152
	G	6.5	6.5	7	8	8.5	10	10.5	11	12	15.5	16.5	18.5

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Raccordi filettati - Threaded fittings

Ø NOMINALE PIPE SIZE		1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
LUNG. FILETTO	B	6.5	8	9	11	12.5	14.5	17	18	19	23.5	26	27.5
LENGTH OF THREADED MIN.	L2	6.5	10	10.5	13.5	14	17.5	18	18.5	19	29	30.5	33
3000 LBS	W	32	35	38	48	51	60	67	79	86	92	108	121
	P	19	25	25	32	37	41	44	44	48	60	65	68
	D	16	20	24	30	36	45	60	65	75	95	110	140
	G MIN.	5.0	5.0	5.0	6.5	6.5	9.5	9.5	11	12.5	16.0	19.0	22.0
6000 LBS	W	32	35	38	48	51	60	67	79	86	92	108	121
	P	—	27	27	33	38	43	46	48	51	64	68	75
	D	24	26	32	38	45	60	65	75	95	110	140	160
	G MIN.	—	6.5	6.5	8.0	8.0	11.0	11.0	12.5	16.0	19.0	22.0	28.5

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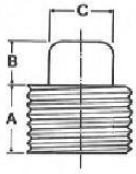
Raccordi filettati - Threaded fittings

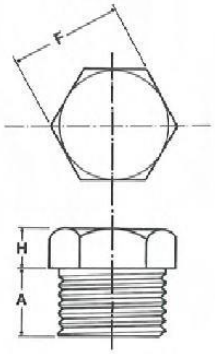
Tappi T. quadra
Square H. plugs

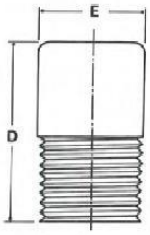
Tappi T. esag.
Hex. H. plugs

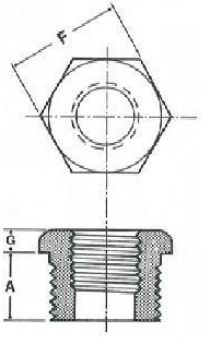
Tappi T. tonda
Round H. plugs

Riduz. esag. M/F
Bushings









Ø NOMINALE PIPE SIZE	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
A MIN.	10	15	16	20	21	25	26	26	27	41	42	45
B MIN.	6	6	8	10	11	13	14	16	17	19	21	25
C MIN.	7.0	9.5	11.0	14.5	16.0	20.5	24.0	28.5	33.5	38.0	43.0	63.5
D MIN.	35	41	41	45	45	51	51	51	64	70	70	76
E NOM.	10	13	17	21	27	33	43	48	60	73	89	114
F NOM.	11.0	16.0	17.5	22.0	27.0	35.0	44.5	51.0	63.5	76.0	89.0	117.5
G MIN.	–	3	4	5	6	6	7	8	9	10	10	13
H MIN.	6	6	8	8	10	10	14	16	17	19	21	25

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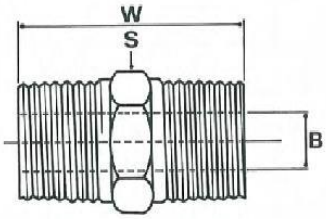
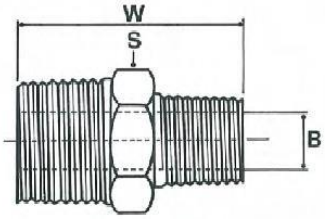
Raccordi filettati - Threaded fittings

Nippli esagonali
Hex. nipples

Nippli esagonali ridotti
Reducing hex. nipples





Nota: Per i nippli ridotti la quota "B" è quella del Ø minore.

Notes: For reducing nipples the dimension B is for small size.

DIMENS.	SERIE CLASS	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
W	3000 LBS	24	36	40	48	52	60	66	68	71	84	94	125
	6000 LBS	24	36	40	48	52	60	66	68	71	84	94	125
S	3000 LBS	11	15	19	22	27	35	45	50	65	80	90	120
	6000 LBS	11	15	19	22	27	35	45	50	65	80	90	120
B	3000 LBS	5	8	11	14	19	24	32	38	49	59	74	97
	6000 LBS	2	6	8	11	13	17	23	30	39	45	58	80

B = dimensions may vary at discretion of the manufacturer

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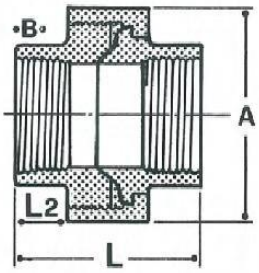
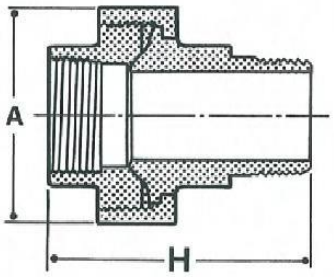
Raccordi filettati - Threaded fittings

Bocchettoni femmina-femmina
Female-female unions

Bocchettoni maschio-femmina
Male-female unions





Ø NOMINALE PIPE SIZE		1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
LUNGH. FILETTO	B	6.5	8	9	11	12.5	14.5	17	18	19	23.5	26	27.5
LENGHT OF THREADED MIN.	L2	6.5	10	10.5	13.5	14	17.5	18	18.5	19	29	30.5	33
3000 LBS	A	32	35	41	45	55	65	78	85	100	123	148	180
	L	44	40	47	49	57	62	71	75	84	110	120	157
	H	—	64	69	73	83	92	96	110	130	—	—	—
6000 LBS	A												
	L	Dati fornibili su richiesta - Dimensions on request											
	H												

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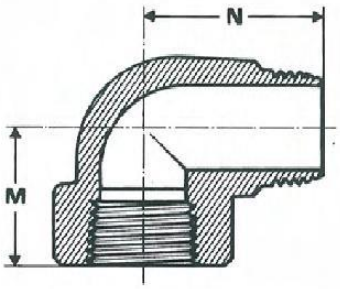
Raccordi filettati - Threaded fittings
Gomiti 90° M/F - Street elbows



Ø NOMINALE PIPE SIZE		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
3000 LBS	M	24.6	30	33.5	38	46.5	53	62	68
	N	32	39	44	49	59	65	75	82.5
6000 LBS	M	30	33.5	38	46.5	53	62	68	82.5
	N	39	44	49	59	65	75	82.5	110
		Dimensioni non elencate nella ASME B16.11 - 1991 e BS3799 Dimensions not listed in ASME B16.11 - 1991 and BS3799							

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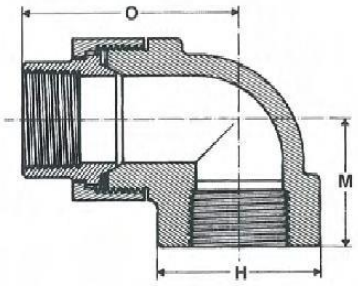
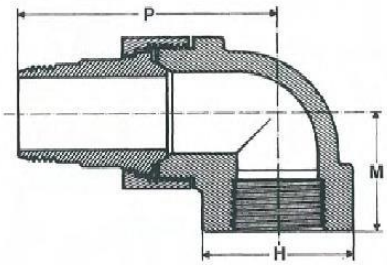
Raccordi filettati - Threaded fittings
Gomiti a bocchettone - Union elbows





Ø NOMINALE PIPE SIZE		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
3000 LBS	M	25	30	33	38	45	51	60	64
	H	33	33	38	46	56	62	75	84
	O	45	54	60	65	75	85	98	108
	P	60	70	80	90	100	115	125	140

Dimensioni non elencate nella ASME B16.11 e BS3799, possono variare a discrezione del produttore
Dimensions not listed in ASME B16.11 and BS3799, may vary according to the manufacturer

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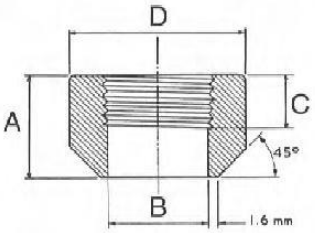
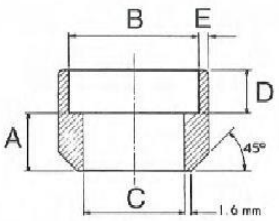
Raccordi filettati - Dimensioni minime degli Inserti Bosses
Threaded fittings - Minimum dimensions of Welding Bosses



DIMENS.	SERIE CLASS	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2	2 1/2	3	4
A MIN.	3/6000 LBS	38	41	45	51	51	51	51	51	51	57	64
B MIN.	3/6000 LBS	8.4	11.1	14.2	18	23	29	44	56	67	82	95
C MIN.	3/6000 LBS	6.70	10.21	10.36	13.56	13.86	17.34	18.38	19.22	28.89	30.48	33.02
D MIN.	3000 LBS 6000 LBS	20 24	20 26	24 32	30 38	36 45	45 60	65 75	75 95	95 -	110 -	140 -

Raccordi a saldare di tasca - Dimensioni degli Inserti Bosses
Socket welding fittings - Dimensions of Welding Bosses



DIMENS.	SERIE CLASS	1/8	1/4	3/8	1/2	3/4	1	1 1/2	2	2 1/2	3
A MIN.	3/6000 LBS	28	32	34	38	38	35	32	29	29	29
B MIN.	3/6000 LBS	10.7	14.1	17.6	21.8	27.4	34.1	49	61	73.8	89.7
C MIN.	3000 LBS 6000 LBS	6.8 -	9.2 -	12.5 -	15.5 11.8	21 15.5	26.5 20.7	40.5 34	52 43	62 54	78 66
D MIN.	3/6000 LBS	10	10	11	13	13	16	19	22	22	22
E MIN.	3000 LBS 6000 LBS	3.2 -	3.3 -	3.5 -	4.1 5.2	4.3 6.1	5 7	5.6 7.8	6.1 9.5	7.7 10.4	8.3 12.2

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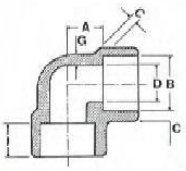
Raccordi a tasca da saldare - Socket welding fittings

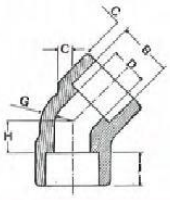
Gomiti 90°
90° Elbows

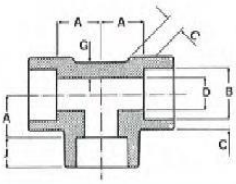
Gomiti 45°
45° Elbows

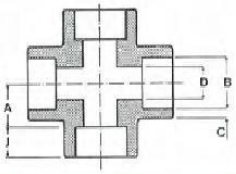
Tee
Equal tees

Croci
Crosses









Ø NOMINALE PIPE SIZE			1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DIAM. TASCA SOCKET BORE	B	MAX.	10.90	14.35	17.80	21.95	27.30	34.05	42.80	48.90	61.35	74.20	90.15	115.80
		MIN.	10.65	14.10	17.55	21.70	27.05	33.80	42.55	48.65	61.10	73.80	89.80	115.45
PROF. TASCA DEPTH SOCKET	J	MIN.	10	10	10	10	13	13	13	13	16	16	16	19
3000 LBS	D	MAX.	7.6	10.0	13.3	16.6	21.7	27.4	35.8	41.7	53.5	64.2	79.5	103.8
		MIN.	6.1	8.5	11.8	15.0	20.2	25.9	34.3	40.1	51.7	61.2	76.4	100.7
	C	MAX.	3.2	3.8	4.0	4.65	4.90	5.70	6.05	6.35	6.95	8.75	9.50	10.70
		MIN.	3.2	3.3	3.5	4.10	4.25	5.00	5.3	5.55	6.05	7.65	8.30	9.35
	G	MIN.	2.4	3	3.2	3.75	3.90	4.55	4.85	5.10	5.55	7.0	7.60	8.55
	A	MAX.	12	12	15	17	21	24	29	34	40	44	60	69
		MIN.	10	10	12	14	18	20	25	30	36	39	55	64
	H	MAX.	9	9	9	13	14	16	19	23	27	31	34	44
		MIN.	7	7	7	10	11	12	15	19	23	27	29	39
6000 LBS	D	MAX.	4.8	7.1	9.9	12.5	16.3	21.5	30.2	34.7	43.6	55.5	67.5	88.5
		MIN.	3.2	5.6	8.4	11.0	14.8	19.9	28.7	33.2	42.1	54	66	87
	C	MAX.	3.95	4.60	5.05	5.95	6.95	7.90	7.90	8.90	10.90	—	—	—
		MIN.	3.45	4.00	4.35	5.20	6.05	6.95	6.95	7.80	9.50	—	—	—
	G	MIN.	3.15	3.70	4.0	4.80	5.55	6.35	6.35	7.15	8.75	—	—	—
	A	MAX.	12	17	17	21	24	29	34	40	43	—	—	—
		MIN.	10	13	14	18	21	25	30	36	39	—	—	—
	H	MAX.	9	9	13	14	16	19	23	27	31	—	—	—
		MIN.	7	7	10	11	13	15	19	23	27	—	—	—

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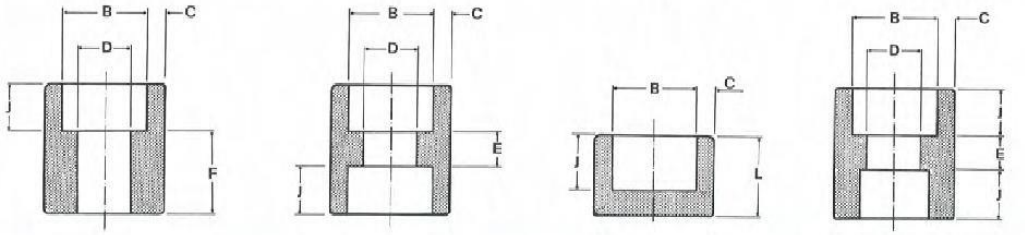
Raccordi a tasca da saldare - Socket weldings fittings

Mezzi manicotti
Half couplings

Manicotti
Couplings

Tappi femmina
Caps

Manicotti ridotti
Reducing couplings



Ø NOMINALE PIPE SIZE		1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DIAM. TASCA SOCKET BORE	B MAX.	10.90	14.35	17.80	21.95	27.30	34.05	42.80	48.90	61.35	74.20	90.15	115.80
	B MIN.	10.65	14.10	17.55	21.70	27.05	33.80	42.55	48.65	61.10	73.80	89.80	115.45
PROF. TASCA DEPTH SOCKET	J MIN.	10	10	10	10	13	13	13	13	16	16	16	19
3000 LBS	C MAX.	3.20	3.80	4.00	4.65	4.90	5.70	6.05	6.35	6.95	8.75	9.50	10.7
	C MIN.	3.20	3.30	3.50	4.10	4.25	5.00	5.30	5.55	6.05	7.65	8.30	9.35
	D MAX.	7.6	10.0	13.3	16.6	21.7	27.4	35.8	41.7	53.5	64.2	79.5	103.8
	D MIN.	6.1	8.5	11.8	15.0	20.2	25.9	34.3	40.1	51.7	61.2	76.4	100.7
	E MAX.	8	8	9	13	13	17	17	17	23	24	24	24
	E MIN.	5	5	5	6	6	9	9	9	15	14	14	14
	F MAX.	17	17	19	24	25	31	32	34	43	45	47	50
	F MIN.	15	15	16	21	22	27	28	30	39	40	42	45
	L NOM.	18	18	19	23	26	28	30	32	39	39	45	48
6000 LBS	C MAX.	3.95	4.60	5.05	5.95	6.95	7.90	7.90	8.90	10.90	—	—	—
	C MIN.	3.45	4.00	4.35	5.20	6.05	6.95	6.95	7.80	9.50	—	—	—
	D MAX.	4.8	7.1	9.9	12.5	16.3	21.5	30.2	34.7	43.6	—	—	—
	D MIN.	3.2	5.6	8.4	11.0	14.8	19.9	28.7	33.2	42.1	—	—	—
	E MAX.	8	8	9	13	13	17	17	17	23	24	24	24
	E MIN.	5	5	5	6	6	9	9	9	15	14	14	14
	F MAX.	17	17	19	24	25	31	32	34	43	45	47	50
	F MIN.	15	15	16	21	22	27	28	30	39	40	42	45
	L NOM.	18	18	19	23	26	28	30	32	39	39	45	48

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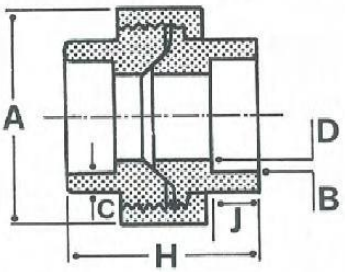
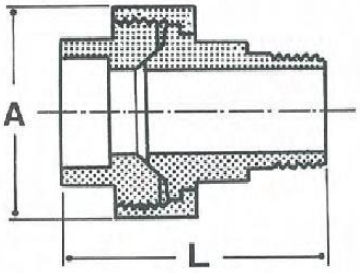
Raccordi a tasca da saldare - Socket welding fittings

Bocchettoni femmina-femmina
Female-female unions

Bocchettoni maschio-femmina
Male-female unions





Nota: Dimensioni dei bocchettoni 6000 LBS a richiesta.

Note: Dimension of union 6000 LBS on request.

Ø NOMINALE PIPE SIZE			1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
DIAM. TASCA SOCKET BORE	B	MAX.	10.90	14.35	17.80	21.95	27.30	34.05	42.80	48.90	61.35	74.20	90.15	115.80
		MIN.	10.65	14.10	17.55	21.70	27.05	33.80	42.55	48.65	61.10	73.80	89.80	115.45
PROF. TASCA DEPTH. SOCKET	J	MIN.	10	10	10	10	13	13	13	13	16	16	16	19
DIMENSIONE BOCCHETTONE 3000 LBS	H	NOM.	44	40	47	49	57	62	71	75	84	110	120	157
DIMENSIONS OF UNION 3000 LBS	A	NOM.	32	35	41	45	55	65	78	85	100	123	148	180
3000 LBS	C	MAX.	3.20	3.80	4.00	4.65	4.90	5.70	6.05	6.35	6.95	8.75	9.50	10.7
		MIN.	3.20	3.30	3.50	4.10	4.25	5.00	5.30	5.55	6.05	7.65	8.30	9.35
	D	MAX.	7.6	10.0	13.3	16.6	21.7	27.4	35.8	41.7	53.5	64.2	79.5	103.8
		MIN.	6.1	8.5	11.8	15.0	20.2	25.9	34.3	40.1	51.7	61.2	76.4	100.7
	L	NOM.	—	64	69	73	83	92	96	110	130	—	—	—
6000 LBS	C	MAX.	3.95	4.60	5.05	5.95	6.95	7.90	7.90	8.90	10.90	—	—	—
		MIN.	3.45	4.00	4.35	5.20	6.05	6.95	6.95	7.80	9.50	—	—	—
	D	MAX.	4.8	7.1	9.9	12.5	16.3	21.5	30.2	34.7	43.6	—	—	—
		MIN.	3.2	5.6	8.4	11.0	14.8	19.9	28.7	33.2	42.1	—	—	—
	L	NOM.	Dati fornibili su richiesta - Dimensions on request											

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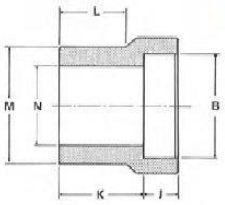
Ø NOMINALE PIPE SIZE	TYPE	M	N	K	L	J
3/8 x 1/4	1	17.15	9	19	14	10
1/2 x 3/8	1	21.34	12.5	21	16	10
1/2 x 1/4	1	21.34	9	21	16	10
3/4 x 1/2	1	26.67	16	22	17	10
3/4 x 3/8	2	26.67	12.5	16	—	10
1 x 3/4	1	33.4	21	24	19	13
1 x 1/2	2	33.4	16	16	—	10
1 1/4 x 1	1	42.16	26.5	25	21	13
1 1/4 x 3/4	2	42.16	21	18	—	13
1 1/4 x 1/2	2	42.16	16	19	—	10
1 1/2 x 1 1/4	1	48.26	35	28	22	13
1 1/2 x 1	2	48.26	26.5	18	—	13
1 1/2 x 3/4	2	48.26	21	19	—	13
1 1/2 x 1/2	2	48.26	16	21	—	10
2 x 1 1/2	1	60.3	41	32	25	13
2 x 1 1/4	2	60.3	35	21	—	13
2 x 1	2	60.3	26.5	22	—	13
2 x 3/4	2	60.3	21	24	—	13
2 x 1/2	2	60.3	16	25	—	10
2 1/2 x 2	1	73	52.5	46	38	16
2 1/2 x 1 1/2	2	73	41	35	—	13
2 1/2 x 1 1/4	2	73	35	37	—	13
2 1/2 x 1	2	73	26.5	38	—	13
2 1/2 x 3/4	2	73	21	40	—	13
3 x 2 1/2	1	88.9	62.5	38	32	16
3 x 2	2	88.9	52.5	25	—	16
3 x 1 1/2	2	88.9	41	29	—	13
3 x 1 1/4	2	88.9	35	30	—	13
3 x 1	2	88.9	26.5	32	—	13
4 x 3	2	114.3	78	33	—	16
4 x 2 1/2	2	114.3	62.5	38	—	16
4 x 2	2	114.3	52.4	38	—	16

Inserti ridotti
Reducer inserts

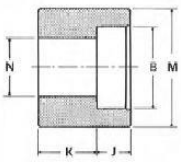
Raccordi a tasca da saldare
Socket welding fittings

Serie 3000 LBS
Class 3000 LBS

Tipo 1
Type 1



Tipo 2
Type 2



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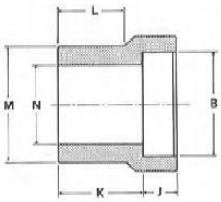
Inserti ridotti - Reducer inserts
Raccordi a tasca da saldare - Socket welding fittings

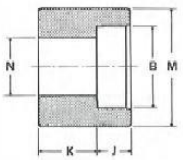
Ø NOMINALE PIPE SIZE	TYPE	M	N	K	L	J
3/8 x 1/4	1	17.15	6.5	21	16	10
1/2 x 3/8	1	21.34	9	23	16	10
1/2 x 1/4	1	21.34	6.5	21	16	10
3/4 x 1/2	1	26.67	11.5	25	19	10
3/4 x 3/8	1	26.67	9	22	19	10
3/4 x 1/4	2	26.67	6.5	22	—	10
1 x 3/4	1	33.4	15.5	28	21	13
1 x 1/2	1	33.4	11.5	28	21	10
1 x 3/8	2	33.4	9	22	—	10
1 x 1/4	2	33.4	6.5	24	—	10
1 1/4 x 1	1	42.16	20.5	30	22	13
1 1/4 x 3/4	2	42.16	15.5	21	—	13
1 1/4 x 1/2	2	42.16	11.5	22	—	10
1 1/4 x 3/8	2	42.16	9	24	—	10
1 1/4 x 1/4	2	42.16	6.5	25	—	10
1 1/2 x 1 1/4	1	48.26	29.5	35	25	13
1 1/2 x 1	1	48.26	20.5	29	25	13
1 1/2 x 3/4	2	48.26	15.5	25	—	13
1 1/2 x 1/2	2	48.26	11.5	27	—	10
1 1/2 x 3/8	2	48.26	9	28	—	10
2 x 1 1/2	1	60.3	34	39	28	13
2 x 1 1/4	2	60.3	29.5	24	—	13
2 x 1	2	60.3	21	25	—	13
2 x 3/4	2	60.3	15.5	27	—	13
2 x 1/2	2	60.3	11.5	28	—	10
2 1/2 x 2	1	73	43	43	32	16
2 1/2 x 1 1/2	2	73	34	40	—	13
2 1/2 x 1 1/4	2	73	29.5	40	—	13
2 1/2 x 1	2	73	21	40	—	13
2 1/2 x 3/4	2	73	15.5	40	—	13
3 x 2 1/2	1	88.9	54	60	35	16
3 x 2	2	88.9	43	55	—	16

Serie 6000 LBS
Class 6000 LBS

Tipo 1
Type 1



Tipo 2
Type 2



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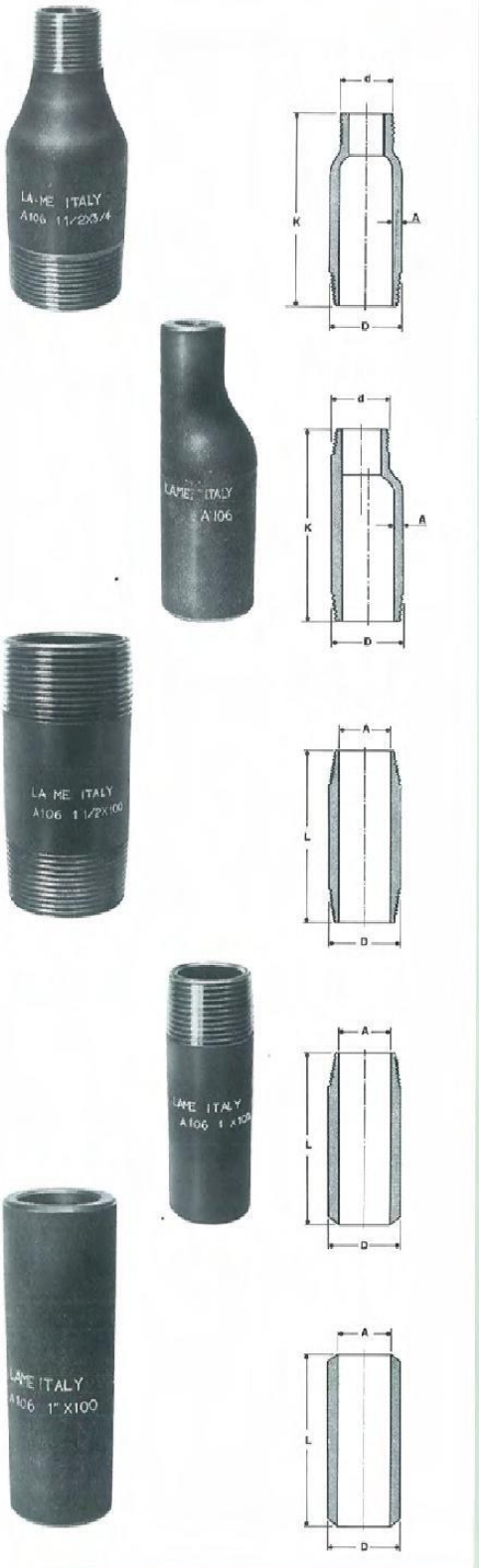
Nippli da tubo a bottiglia
Swage nipples
Nippli da tubo - Pipe nipples

D x d nom.	K nom.	A	L
3/8 x 1/4	64	A Vs. richiesta/On Yr. request: Sch. 80 - 160 - XXS	A Vs. richiesta lungh./On Yr. request lenght: close - 2" - 2 1/2" - 3" - 4" - 5" - 6"
1/2 x 3/8	70		
1/2 x 1/4			
3/4 x 1/2	76		
3/4 x 3/8			
1 x 3/4	89		
1 x 1/2			
1 1/4 x 1	102		
1 1/4 x 3/4			
1 1/4 x 1/2			
1 1/2 x 1 1/4	114		
1 1/2 x 1			
1 1/2 x 3/4			
1 1/2 x 1/2			
2 x 1 1/2	165		
2 x 1			
2 x 3/4			
2 x 1/2			
2 1/2 x 2	178		
2 1/2 x 1 1/2			
2 1/2 x 1			
3 x 2 1/2	203		
3 x 2			
3 x 1 1/2			
3 x 1			
4 x 3	229		
4 x 2 1/2			
4 x 2			
4 x 1 1/2			



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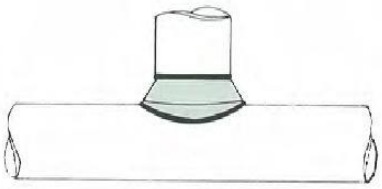
Note informative sull'applicazione delle derivazioni
General informations about the application of Welding-Outlets

a) Si usano ovunque sia necessario un raccordo da saldare.
They are used anywhere welding fittings are requested.

b) Le derivazioni sostituiscono i raccordi a T da saldare con costi di materiale ed installazione inferiori.
The welding outlets replace welding Tees with lower costs of material and installation.

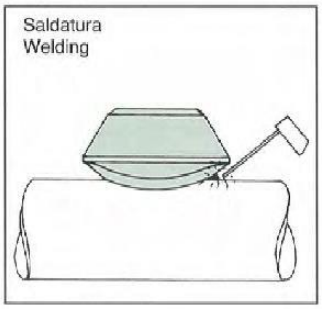
...Le derivazioni conservano integralmente le resistenze del tubo in accordo alle Norme ASME B16.9 ed ASME B31.1.
...The welding outlets maintain full pipe strenght in accordance to specifications ASME B16.9 and ASME B31.1.

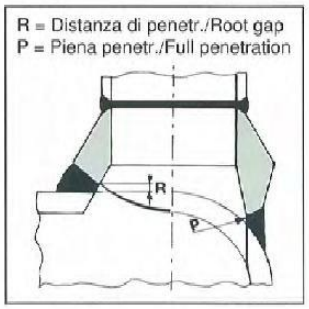
WELDING TEE



WELDING OUTLET

Le derivazioni sono pronte per essere saldate
Welding Outlets are ready to be welded





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Unificazione dimensioni

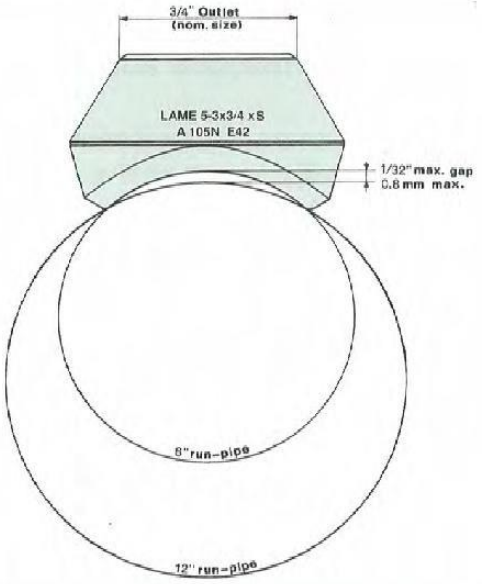
Al fine di ridurre le voci di magazzino, le nostre derivazioni sono state unificate per poter essere impiegate su tubi di diametri diversi, con un gioco massimo di adattamento pari a 0,8 mm, tale da non pregiudicare la saldatura.

Dimensions unification

In order to reduce warehouse inventory, our outlets have been unified to fit on different runpipe sizes with a gap maximum of 1/32" between the run pipe-and outlet. This does not cause any problem during welding.

Tutti i raccordi con uscita superiore a 4" devono essere ordinati precisando le misure esatte del tubo.

Outlet over 4" order to specific run-pipe size.



BW - OUTLETS STANDARD ED EXTRA-STRONG
THD - OUTLETS 3000 LBS
SW - OUTLETS 3000 LBS

3/8 x 1/8	1 1/4 x 1 1/4	3 x 3
1/2 x 1/8	1 1/2 x 1 1/4	3 1/2 x 3
1-3/4 x 1/8	2 x 1 1/4	4 x 3
2 1/2-1 1/4 x 1/8	2 1/2 x 1 1/4	5 x 3
36-3 x 1/8	3 1/2-3 x 1 1/4	6 x 3
	5-4 x 1 1/4	8 x 3
3/8 x 1/4	8-6 x 1 1/4	10 x 3
1/2 x 1/4	18-10 x 1 1/4	14-12 x 3
1-3/4 x 1/4	36-20 x 1 1/4	20-16 x 3
2 1/2-1 1/4 x 1/4		36-24 x 3
36-3 x 1/4	1 1/2 x 1 1/2	
	2 x 1 1/2	3 1/2 x 3 1/2
1/2 x 3/8	2 1/2 x 1 1/2	4 x 3 1/2
1-3/4 x 3/8	3 x 1 1/2	5 x 3 1/2
2 1/2-1 1/4 x 3/8	4-3 1/2 x 1 1/2	6 x 3 1/2
36-3 x 3/8	6-5 x 1 1/2	8 x 3 1/2
	12-8 x 1 1/2	10 x 3 1/2
1/2 x 1/2	24-14 x 1 1/2	14-12 x 3 1/2
3/4 x 1/2	36-26 x 1 1/2	20-16 x 3 1/2
1 x 1/2		36-24 x 3 1/2
1 1/2-1 1/4 x 1/2	2 x 2	
2 1/2-2 x 1/2	2 1/2 x 2	4 x 4
8-3 x 1/2	3 x 2	5 x 4
36-10 x 1/2	3 1/2 x 2	6 x 4
	4 x 2	8 x 4
3/4 x 3/4	5 x 2	10 x 4
1 x 3/4	6 x 2	14-12 x 4
1 1/2-1 1/4 x 3/4	10-8 x 2	20-16 x 4
2 1/2-2 x 3/4	18-12 x 2	36-24 x 4
5-3 x 3/4	36-20 x 2	
12-6 x 3/4		
36-14 x 3/4	2 1/2 x 2 1/2	
	3 x 2 1/2	
1 x 1	3 1/2 x 2 1/2	
1 1/4 x 1	4 x 2 1/2	
1 1/2 x 1	5 x 2 1/2	
2 x 1	6 x 2 1/2	
2 1/2 x 1	8 x 2 1/2	
3 1/2-3 x 1	12-10 x 2 1/2	
5-4 x 1	18-14 x 2 1/2	
10-6 x 1	36-20 x 2 1/2	
36-12 x 1		

THD - OUTLETS 6000 LBS
SW - OUTLETS 6000 LBS

1-3/4 x 1/2	1 1/2 x 1 /14	2 1/2 x 2
2-1 1/4 x 1/2	2 1/2-2 x 1 1/4	3 x 2
6-2 1/2 x 1/2	3 1/2-3 x 1 1/4	4 x 2
36-8 x 1/2	8-4 x 1 1/4	5 x 2
	20-10 x 1 1/4	6 x 2
1 x 3/4	36-24 x 1 1/4	10-8 x 2
2 1/2-1 1/4 x 3/4		20-12 x 2
10-3 x 3/4	2 x 1 1/2	36-24 x 2
36-12 x 3/4	2 1/2 x 1 1/2	
	3 1/2-3 x 1 1/2	
1 1/2-1 1/4 x 1	5-4 x 1 1/2	
2 1/2-2 x 1	8-6 x 1 1/2	
10-3 x 1	18-10 x 1 1/2	
36-12 x 1	36-20 x 1 1/2	

BW - OUTLETS SCH 160 - XXS

1/2 X 1/2	1 1/2-1 1/4 X 1 1/4	2 X 2
1 1/4-3/4 X 1/2	2 1/2-2 X 1 1/4	2 1/2 X 2
36-1 1/2 X 1/2	10-3 X 1 1/4	3 1/2-3 X 2
	36-12 X 1 1/4	5-4 X 2
1-3/4 X 3/4		8-6 X 2
2-1 1/4 X 3/4	1 1/2 X 1 1/2	18-10 X 2
6-2 1/2 X 3/4	2 1/2-2 X 1 1/2	36-20 X 2
36-8 X 3/4	3 1/2-3 X 1 1/2	
	8-4 X 1 1/2	
1 X 1	20-10 X 1 1/2	
2 1/2-1 1/4 X 1	36-24 X 1 1/2	
10-3 X 1		
36-12 X 1		

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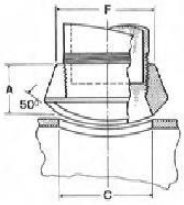
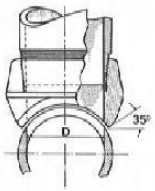
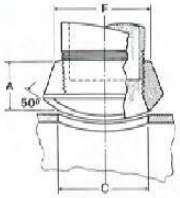
Derivazioni filettate - Threaded Outlets

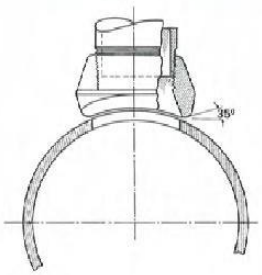
Serie 3000 LBS
Class 3000 LBS





∅ NOMIN. PIPE SIZE	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
A	25.4	27.0	33.3	33.3	34.9	38.1	46.0	50.8	57.2	61.9	65.1
C	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.7	133.4	169.8
D	15.9	20.6	27.0	34.9	41.3	52.4	63.5	77.8	103.2	128.6	154.0
F	31.8	36.5	46.0	55.6	61.9	74.6	87.3	104.8	130.2	160.3	188.9
Weight Kgs.	0.07	0.11	0.20	0.32	0.41	0.64	1.13	1.95	3.08	4.17	7.12





∅ NOMIN. PIPE SIZE	SERIE CLASS	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
A	3000 LBS	25.4	27.0	33.3	33.3	34.9	38.1	46.0	50.8	57.2	66.7	68.3
	6000 LBS	31.8	36.5	39.7	41.3	42.9	52.4	—	—	—	—	—
C	3000 LBS	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.6	141.3	169.8
	6000 LBS	19.1	25.4	33.3	38.1	49.2	69.9	—	—	—	—	—
F	3000 LBS	31.8	36.5	46.0	55.6	61.9	74.6	87.3	104.8	130.2	160.3	188.9
	6000 LBS	39.7	46.0	57.2	65.1	76.2	92.1	—	—	—	—	—
Weight Kgs.	3000 LBS	0.11	0.16	0.28	0.41	0.45	0.79	1.36	1.97	3.22	5.44	6.94
	6000 LBS	0.20	0.34	0.56	0.71	0.89	2.30	—	—	—	—	—

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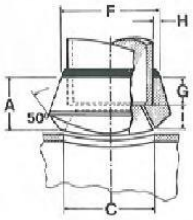
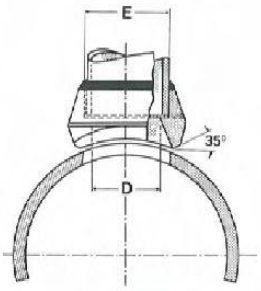
Derivazioni a tasca da saldare - Socket Welding Outlets





⌀ NOMINALE PIPE SIZE	SERIE CLASS	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
A	3000 LBS	25.4	27.0	33.3	33.3	34.9	38.1	46.0	50.8	57.2	66.7	68.3
	6000 LBS	31.8	36.5	39.7	41.3	42.9	52.4	—	—	—	—	—
C	3000 LBS	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.7	141.3	169.9
	6000 LBS	19.1	25.4	33.3	38.1	49.2	58.7	—	—	—	—	—
D	3000 LBS	15.8	20.9	26.6	35.1	40.9	52.5	62.7	77.9	102.3	128.2	154.1
	6000 LBS	11.8	15.6	20.7	29.5	34.0	42.9	—	—	—	—	—
E	3000 LBS	21.7	27.1	33.8	42.6	48.6	61.1	73.8	89.8	115.4	142.7	169.9
	6000 LBS	21.7	27.1	33.8	42.6	48.6	61.1	—	—	—	—	—
F	3000 LBS	31.8	36.5	46.0	55.6	61.9	74.6	87.3	104.8	130.2	160.3	187.3
	6000 LBS	39.7	45.2	57.2	65.1	76.2	92.1	—	—	—	—	—
G	3000 LBS	9.5	12.7	12.7	12.7	12.7	15.9	15.9	15.9	19.1	32.5	32.5
	6000 LBS	9.5	12.7	12.7	12.7	12.7	15.9	—	—	—	—	—
H	3000 LBS	5.2	4.8	6.4	6.4	6.0	6.8	6.8	7.5	7.5	8.7	8.7
	6000 LBS	9.1	8.3	11.9	11.5	16.3	15.5	—	—	—	—	—
I	3000 LBS	15.9	14.3	20.6	20.6	22.2	22.2	30.2	34.9	38.1	34.1	35.7
	6000 LBS	22.3	23.8	27.0	28.6	30.2	36.5	—	—	—	—	—
Weight Kgs.	3000 LBS	0.14	0.15	0.27	0.39	0.47	0.73	1.25	1.72	3.3	5.4	6.6
	6000 LBS	0.23	0.36	0.60	0.75	0.90	2.30	—	—	—	—	—

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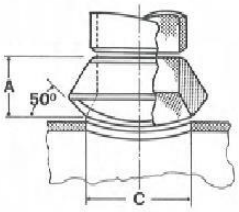
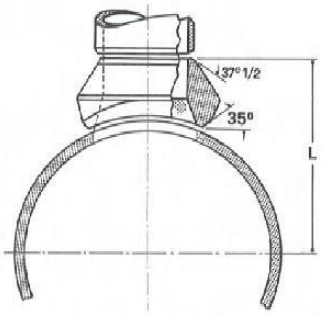
Derivazioni a saldare di testa - Butt Welding Outlets





La quota "L" è uguale a A + (De / 2 del collettore)

The dimension "L" is for A + (De / 2 of outlets)

Ø NOMINALE PIPE SIZE	SCH.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
A	STD.	19.1	22.2	27.0	31.8	33.3	38.1	41.3	47.6	52.4	57.2	60.3
	XS	19.1	22.2	27.0	31.8	33.3	38.1	41.3	47.6	52.4	57.2	77.8
	160	28.6	31.8	38.1	44.5	50.8	55.6	61.9	73.0	84.1	93.7	104.8
C	STD.	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.7	141.3	169.9
	XS	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.7	141.3	169.9
	160	14.3	19.1	25.4	33.3	38.1	42.9	54.0	73.0	98.4	122.2	146.0
Weight Kgs.	STD.	0.08	0.11	0.23	0.36	0.45	0.8	1.1	1.8	2.9	4.7	5.5
	XS	0.09	0.14	0.21	0.41	0.50	0.79	1.2	1.9	2.9	4.7	10.4
	160	0.11	0.32	0.38	0.57	0.79	0.97	1.53	2.87	4.76	6.46	12.70

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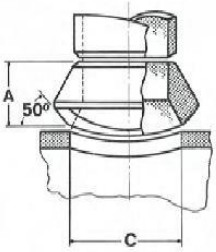
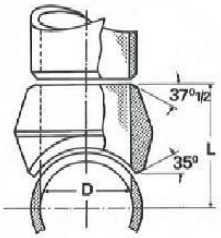
Derivazioni a saldare di testa - Butt Welding Outlets



La quota "L" è data da A + (De/2 del collettore)



The dimension "L" is for A + (De/2 of outlets)

Ø NOMINALE PIPE SIZE	SCH.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
	STD.	19.1	22.2	27.0	31.8	33.3	38.1	41.3	47.6	52.4	57.2	60.3
A	XS	19.1	22.2	25.4	28.6	31.8	38.1	41.3	47.6	52.4	57.2	77.8
	160	28.6	31.8	38.1	44.5	50.8	55.6	61.9	73.0	84.1	93.7	104.8
	STD.	23.8	30.2	36.5	44.5	50.8	65.1	76.2	97.3	120.7	141.9	169.9
C	XS	23.8	30.2	36.5	44.5	50.8	65.1	76.2	93.7	120.7	141.3	169.9
	160	14.3	19.1	25.4	33.3	38.1	42.9	54.0	73.0	98.4	122.2	146.0
	STD.	15.9	20.6	26.2	34.9	41.3	52.4	61.9	77.8	101.6	128.6	154.0
D	XS	15.9	20.6	26.2	34.9	41.3	52.4	61.9	77.8	101.6	128.6	154.0
	160	14.3	19.1	25.4	33.3	38.1	42.9	54.0	73.0	98.4	122.2	146.0
	STD.	0.07	0.11	0.18	0.32	0.36	0.68	1.02	1.70	3.0	3.9	6.4
Weight Kgs.	XS	0.07	0.11	0.18	0.32	0.41	0.73	1.13	1.86	3.40	4.30	6.80
	160	0.11	0.32	0.38	0.57	0.79	0.97	1.53	2.87	4.76	6.46	13.72

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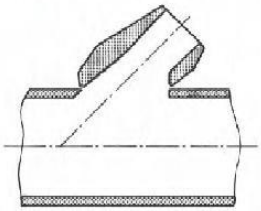
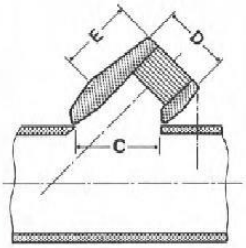
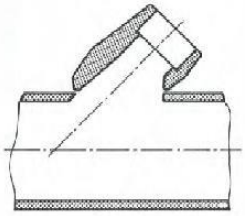
Derivazioni filettate, a tasca da saldare e a saldare di testa, a 45° per tubi
Threaded, socket welding and butt welding outles for pipes

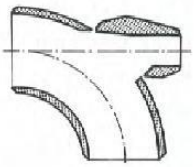


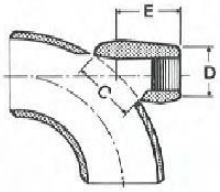


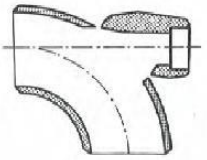


Ø NOMIN. PIPE SIZE	SERIE CLASS	1/2	3/4	1	1 1/4	1 1/2	2	3	4	6
C	3000 LBS	36.5	43.6	54	67.5	76.2	104.8	125.4	163.5	228.6
	6000 LBS	43.6	54	67.5	76.2	104.8	—	—	—	—
D	3000 LBS	31.8	35.7	45.2	54.8	63.5	82.6	88.9	114.3	168.3
	6000 LBS	35.7	45.2	54.8	63.5	82.6	—	—	—	—
E	3000 LBS	39.7	47.6	57.2	61.9	66.7	81	95.3	114.3	155.6
	6000 LBS	47.6	57.2	61.9	66.7	81	—	—	—	—

Derivazioni filettate a tasca da saldare e a saldare di testa su curve
Threaded, socket welding and butt welding outlets for long radius elbows







Ø NOMINALE PIPE SIZE	SERIE CLASS	1/2	3/4	1	1 1/4	1 1/2	2
C	3000 LBS	38.1	43.6	54.0	73.0	79.4	106.4
	6000 LBS	43.6	54	73.0	79.4	106.4	—
D	3000 LBS	31.8	35.7	45.2	54.8	63.5	—
	6000 LBS	35.7	45.2	54.8	63.5	82.6	—
E	3000 LBS	38.1	45.2	52.4	55.6	58.8	69.9
	6000 LBS	45.2	52.4	55.6	58.8	69.9	—