

SMITH-COOPER®

I N T E R N A T I O N A L

CORPORATE OFFICE TEL (800) 766-0076 LOCAL (323) 890-4455 FAX (323) 890-4456
WWW.SMITHCOOPER.COM



Ductile Iron Threaded Fittings

Class 300, 500 psi Listed



SMITH-COOPER® INTERNATIONAL



Ductile Iron Pipe Fittings

Specifications

- Manufacturing facilities are ISO 9001:2000 and ISO 14001
- Castings conform to ASTM A536
- Fitting dimensions conform to ASME B16.3
- Bushings and Plugs conform to ASME B16.14
- Ductile Iron Threaded Fittings are UL Listed and FM Approved at 500 psi
- Fittings are 100% air tested
- NPT threads on all fittings conform to ASME B1.20.1
- Independent lab verification that fittings meet applicable chemical & physical properties



SCI Quality Plus

- Quality control inspections both at the overseas factory and our US warehouses
- All fittings 100% tested under water
- Company engineer available at your request
- \$10,000,000 product liability insurance
- SCI trademark logo on each fitting
- SCI 5/50 guarantee
- Pro Pak System makes products easier to handle and warehouse
- Orders shipped within 24 hours
- Fax confirmation of every order
- Knowledgeable customer service personnel

Warranty and Limitations of Liability

SMITH-COOPER INTERNATIONAL (SCI) warrants to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of five years from the date of delivery to our initial purchaser.

Should any failure to conform to this warranty appear within five years after the date of the initial delivery to our initial purchaser, SCI will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with recognized engineering and piping practices and industry standards, correct such defects by suitable repair or replacement (which alternative shall be at the discretion of SCI) of product at SCI's own expense upon return of the defective part to SCI.

In the event that SCI elects to replace the defective product, SCI shall pay up to \$50 per defective product for total cost of replacement. In the event of multiple claims, such payment shall be no greater than \$1,000 for each installation project.

This warranty applies only during normal use that meets the above referenced conditions of installation and operation and is absolutely void if the product has been damaged after purchase or if it has been misused, repaired, altered or modified in any manner whatsoever. SCI shall not warrant any of its products if any portion of the product including without limitation, any component, gasket, housing or bolt has been modified, altered, remanufactured or replaced in any manner by any customer, user of the product or third party.

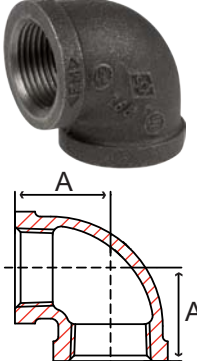
Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of SCI to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort, or otherwise. It is the intention of SCI that no warranty of any kind, whether expressed or implied shall pass through our initial purchaser to any other person or corporation.

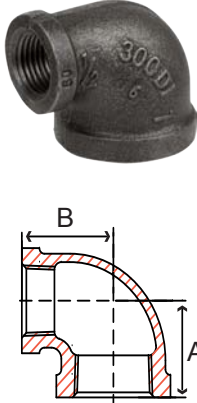
No returns will be allowed unless prior written permission of SCI is first obtained. Buyers shall be responsible for all costs of transportation as well as a restocking charge.

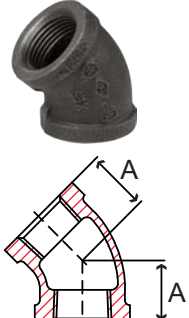
This warranty is exclusively for the benefit of the initial purchaser of this product from SCI and, except to the extent prohibited by applicable law, the foregoing warranty is in lieu of all other warranties, express or implied, including but not limited to warranties of fitness or merchantability.

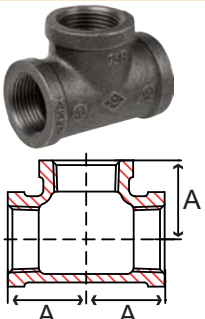
LIMITATIONS OF LIABILITY: SCI shall not under any circumstances be liable for special or consequential damages such as, but not limited to damage to loss of other property or equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, claims of customers of our initial purchaser, any labor cost for repair or replacement of the product or damage caused by the product.

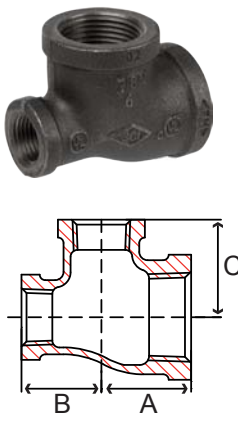
The remedies of our initial purchaser, and all others, set forth herein are exclusive, and the liability of SCI with respect to same shall not, except as expressly provided herein, exceed the price of the SCI products on which such liability is based.

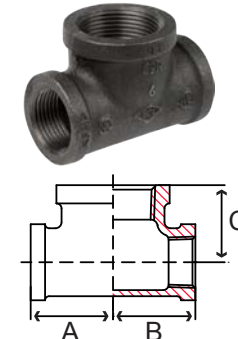
Part	Size	Part Number	Dimensions (in)			Weight (lb)	Packaging	
			A	B	C		Inner	Master
	1/2	35E 3004	1.13	-	-	0.218	100	200
	3/4	35E 3006	1.31	-	-	0.360	70	140
	1	35E 3010	1.50	-	-	0.575	40	80
	1-1/4	35E 3012	1.75	-	-	0.875	25	50
	1-1/2	35E 3014	1.94	-	-	1.159	18	36
	2	35E 3020	2.25	-	-	1.814	10	20
	2-1/2	35E 3024	2.70	-	-	3.233	4	8

Part	Size	Part Number	Dimensions (in)			Weight (lb)	Inner	Master
			A	B	C			
	3/4x1/2	35RE3006004	1.22	1.20	-	0.294	80	160
	1x1/2	35RE3001004	1.36	1.26	-	0.417	70	140
	1x3/4	35RE3001006	1.45	1.38	-	0.475	50	100
	1-1/4x1/2	35RE3012004	1.53	1.34	-	0.539	35	70
	1-1/4x3/4	35RE3012006	1.63	1.45	-	0.6224	35	70
	1-1/4x1	35RE3012010	1.67	1.58	-	0.735	30	60
	1-1/2x1/2	35RE3014004	1.75	1.52	-	0.656	30	60
	1-1/2x3/4	35RE3014006	1.75	1.52	-	0.745	25	50
	1-1/2x1	35RE3014010	1.80	1.65	-	0.877	20	40
	1-1/2x1-1/4	35RE3014012	1.88	1.82	-	1.029	18	36
	2x1/2	35RE3020004	1.97	1.60	-	1.035	18	36
	2x3/4	35RE3020006	1.97	1.60	-	1.044	18	36
	2x1	35RE3020010	2.02	1.73	-	1.285	16	32
	2x1-1/4	35RE3020012	2.10	1.90	-	1.363	12	24
	2x1-1/2	35RE3020014	2.16	2.02	-	1.510	10	20
	2-1/2x1-1/2	35RE3024014	2.51	2.16	-	2.206	6	12
2-1/2x2	35RE3024020	2.60	2.39	-	2.551	6	12	

Part	Size	Part Number	Dimensions (in)			Weight (lb)	Inner	Master
			A	B	C			
	1/2	35F 3004	0.88	-	-	0.201	150	300
	3/4	35F 3006	0.98	-	-	0.322	80	160
	1	35F 3010	1.13	-	-	0.505	40	80
	1-1/4	35F 3012	1.29	-	-	0.759	25	50
	1-1/2	35F 3014	1.44	-	-	1.004	20	40
	2	35F 3020	1.69	-	-	1.616	10	20
	2-1/2	35F 3024	1.95	-	-	2.772	4	8

Part	Size	Part Number	Dimensions (in)			Weight (lb)	Inner	Master
			A	B	C			
	1/2	35T 3004	1.13	-	-	0.308	80	160
	3/4	35T 3006	1.31	-	-	0.502	30	60
	1	35T 3010	1.50	-	-	0.789	25	50
	1-1/4	35T 3012	1.75	-	-	1.192	10	20
	1-1/2	35T 3014	1.94	-	-	1.574	10	20
	2	35T 3020	2.25	-	-	2.433	6	12
	2-1/2	35T 3024	2.70	-	-	4.335	4	8

Part	Size	Part Number	Dimensions (in)			Weight (lb)	Packaging	
			A	B	C		Inner	Master
	3/4x1/2	35RT3006004	1.20	1.20	1.22	0.433	60	120
	1x1/2	35RT3010004	1.26	1.26	1.36	0.621	30	60
	1x1/2x1	35RT3010004010	1.50	1.36	1.50	0.669	30	60
	1x3/4	35RT3010006	1.38	1.38	1.45	0.6879	25	50
	1x3/4x3/4	35RT3010006006	1.38	1.31	1.45	0.615	35	70
	1x3/4x1	35RT3010006010	1.50	1.45	1.50	0.711	25	50
	1-1/4x1/2	35RT3012004	1.34	1.34	1.53	0.838	20	40
	1-1/4x1/2x1-1/4	35RT3012004012	1.75	1.53	1.75	0.950	25	50
	1-1/4x3/4	35RT3012006	1.45	1.45	1.62	0.9255	15	30
	1-1/4x3/4x1-1/4	35RT3012006012	1.75	1.62	1.75	1.003	20	40
	1-1/4x1	35RT3012010	1.58	1.58	1.67	1.040	15	30
	1-1/4x1x1/2	35RT3012010004	1.34	1.26	1.53	0.739	25	50
	1-1/4x1x3/4	35RT3012010006	1.45	1.38	1.63	0.823	20	40
	1-1/4x1x1	35RT3012010010	1.58	1.50	1.69	0.942	20	40
	1-1/4x1x1-1/4	35RT3012010012	1.75	1.69	1.75	1.082	15	30
	1-1/2x1/2	35RT3014004	1.41	1.41	1.66	1.046	16	32
	1-1/2x1/2x1-1/4	35RT3014004012	1.81	1.56	1.88	1.149	24	48
	1-1/2x1/2x1-1/2	35RT3014004014	1.94	1.66	1.94	1.237	12	24
	1-1/2x3/4	35RT3014006	1.52	1.52	1.75	1.145	16	32
	1-1/2x3/4x1-1/4	35RT3014006012	1.94	1.66	1.88	1.167	20	40
	1-1/2x3/4x1-1/2	35RT3014006014	1.94	1.75	1.94	1.287	18	36
	1-1/2x1	35RT3014010	1.65	1.65	1.80	1.275	12	24
	1-1/2x1x1/2	35RT3014010004	1.44	1.25	1.69	0.898	20	40
	1-1/2x1x3/4	35RT3014010006	1.50	1.44	1.75	0.9861	16	32
	1-1/2x1x1	35RT3014010010	1.65	1.50	1.80	1.081	16	32
	1-1/2x1x1-1/4	35RT3014010012	1.82	1.67	1.88	1.235	12	24
	1-1/2x1x1-1/2	35RT3014010014	1.94	1.80	1.94	1.349	12	24
	1-1/2x1-1/4	35RT3014012	1.82	1.82	1.88	1.430	12	24
	1-1/2x1-1/4x1/2	35RT3014012004	1.41	1.34	1.66	0.957	16	32
	1-1/2x1-1/4x3/4	35RT3014012006	1.52	1.45	1.75	1.037	16	32
	1-1/2x1-1/4x1	35RT3014012010	1.65	1.58	1.80	1.168	16	32
	1-1/2x1-1/4x1-1/4	35RT3014012012	1.82	1.75	1.88	1.325	14	28
	1-1/2x1-1/4x1-1/2	35RT3014012014	1.94	1.88	1.94	1.449	14	28
2x1/2	35RT3020004	1.49	1.49	1.88	1.529	10	20	
2x3/4	35RT3020006	1.60	1.60	1.97	1.629	10	20	
2x1	35RT3020010	1.73	1.73	2.02	1.780	8	16	
2x1x2	35RT3020010020	2.25	2.02	2.25	1.998	8	16	
2x1-1/4	35RT3020012	1.90	1.90	2.10	1.975	8	16	
2x1-1/4x2	35RT3020012020	2.25	2.10	2.25	2.097	8	16	
2x1-1/2	35RT3020014	2.02	2.02	2.16	2.122	8	16	
2x1-1/2x1/2	35RT3020014004	1.49	1.41	1.88	1.321	10	20	
2x1-1/2x3/4	35RT3020014006	1.60	1.52	1.97	1.408	10	20	
2x1-1/2x1	35RT3020014010	1.73	1.65	2.02	1.568	8	16	
2x1-1/2x1-1/4	35RT3020014012	1.90	1.82	2.10	1.717	8	16	
2x1-1/2x1-1/2	35RT3020014014	2.02	1.94	2.16	1.8785	8	16	


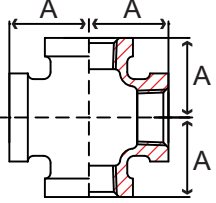
Part	Size	Part Number	Dimensions (in)			Weight (lb)	Packaging	
			A	B	C		Inner	Master
	3/4x1	35BT3006010	1.45	1.45	1.37	0.617	30	60
	1x1-1/4	35BT3010012	1.67	1.67	1.58	0.941	20	40
	1x1-1/2	35BT3010014	1.80	1.80	1.65	1.069	15	30
	1-1/4x1x1-1/2	35BT3012010014	1.88	1.80	1.82	1.256	15	30
	1-1/4x1-1/2	35BT3012014	1.88	1.88	1.82	1.338	15	30
	1-1/4x2	35BT3012020	2.10	2.10	1.90	1.653	10	20
	1-1/2x1-1/4x2	35BT3014012020	2.16	2.10	2.02	1.832	10	20
	1-1/2x2	35BT3014020	2.16	2.16	2.02	1.888	8	16


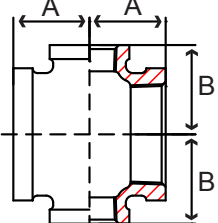



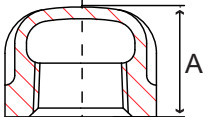
Ductile Iron Threaded Fittings conform to ASTM A536, ASME B16.3 Class 300, ASME B16.14, ASME B1.20.1


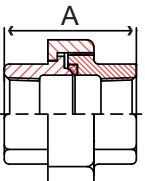
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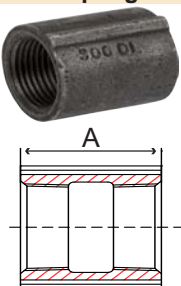


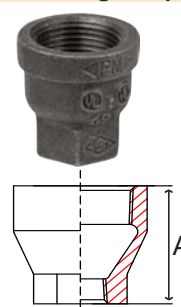
Part	Size	Part Number	Dimensions (in)			Weight (lb)	Packaging	
			A	B	C		Inner	Master
	1	35X 3010	1.50	-	-	0.947	20	40
	1-1/4	35X 3012	1.75	-	-	1.420	12	24
	1-1/2	35X 3014	1.94	-	-	1.866	8	16
	2	35X 3020	2.25	-	-	2.838	6	12
								

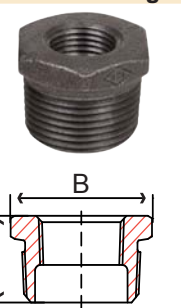
	1-1/4x1	35RX3012010	1.67	1.58	-	1.204	15	30
	1-1/2x1	35RX3014010	1.80	1.65	-	1.435	12	24
	2x1	35RX3020010	2.02	1.73	-	2.000	8	16
								

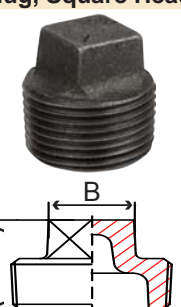
	1/2	35C 3004	0.87	-	-	0.112	300	600
	3/4	35C 3006	0.97	-	-	0.177	200	400
	1	35C 3010	1.16	-	-	0.296	110	220
	1-1/4	35C 3012	1.28	-	-	0.439	70	140
	1-1/2	35C 3014	1.33	-	-	0.553	50	100
	2	35C 3020	1.45	-	-	0.852	25	50
	2-1/2	35C 3024	1.70	-	-	1.604	18	36
								

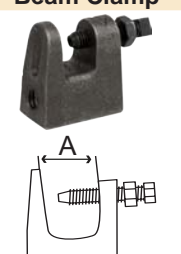
	1	35U 3010	2.19	-	-	1.085	20	40
	1-1/4	35U 3012	2.50	-	-	1.250	15	30
	1-1/2	35U 3014	2.62	-	-	1.761	10	20
	2	35U 3020	3.12	-	-	2.441	6	12
								

Part	Size	Part Number	Dimensions (in)			Weight (lb)	Packaging	
			A	B	C		Inner	Master
	1/2	35CP3004	1.38	-	-	0.156	200	400
	3/4	35CP3006	1.63	-	-	0.254	100	200
	1	35CP3010	1.75	-	-	0.444	60	120
	1-1/4	35CP3012	2.00	-	-	0.553	35	70
	1-1/2	35CP3014	2.19	-	-	0.778	25	50
	2	35CP3020	2.62	-	-	1.211	15	30
	2-1/2	35CP3024	3.00	-	-	2.224	9	18

	1x1/2	35RC3010004	1.69	-	-	0.362	80	160
	1x3/4	35RC3010006	1.69	-	-	0.451	60	120
	1-1/4x3/4	35RC3012006	2.06	-	-	0.675	40	80
	2x1 (not hex)	35RC3020010	2.81	-	-	1.094	20	40

	1x1/2	35HB3010004	1.06	-	-	0.224	180	360
	1x3/4	35HB3010006	1.06	-	-	0.180	180	360
	1-1/4x1	35HB3012010	1.19	-	-	0.296	90	180
	1-1/2x1	35HB3014010	1.25	-	-	0.464	75	150
	1-1/2x1-1/4	35HB3014012	1.25	-	-	0.314	75	150
	2x1	35HB3020010	1.38	-	-	0.651	40	80
	2x1-1/4	35HB3020012	1.38	-	-	0.657	40	80
	2x1-1/2	35HB3020014	1.38	-	-	0.657	40	80

	1/2	35SP3004	0.94	-	-	0.077	600	1200
	3/4	35SP3006	1.12	-	-	0.131	350	700
	1	35SP3010	1.25	-	-	0.196	200	400
	1-1/4	35SP3012	1.37	-	-	0.316	100	200
	1-1/2	35SP3014	1.44	-	-	0.428	80	160
	2	35SP3020	1.50	-	-	0.667	45	90

	3/8	35BC3003	0.75	-	-	0.308	100	200
	1/2	35BC3004	0.75	-	-	0.555	80	160

Working Pressure Ratings

TEMPERATURE DEGREES F	WORKING PRESSURE, NONSHOCK PSIG 300# CLASS THREADED FITTINGS
-20 TO 100	500
150	500
200	480
250	460
300	440
350	420
400	400
450	380
500	360
550	340
600	320
650	300

NOTES



Forged Steel Fittings & Outlets

1/8" – 4" Threaded & S/W
2000#, 3000#, 6000#



COOPLOK™ Grooved

UL/FM Couplings – Flexible & Rigid
Mechanical Tees, Fittings & Flanged Adapters



Ductile Iron Threaded Fittings

1/2" – 2-1/2" Class 300
UL/FM @ 500 PSI



Merchant Steel Couplings & Fittings

1/8" – 12" STD-XH
Full, Half, API Style



Valves

Carbon Steel – Stainless – Brass
1/4" – 4"



Cast Iron Threaded Fittings

1/2" – 2-1/2" Class 125
UL/FM @ 300 PSI



Malleable Iron Pipe Fittings

1/8" – 8" Black & Galvanized
UL/FM 150# & 300#



**Bronze Fittings & Flanges
Brass Nipples & Pipe**

1/8" – 6" 125#



**COOPLET® Weld Outlets
and Adapter Nipples**

UL/FM 300# Welded Outlet
Threaded 1/2" to 4", Grooved 1-1/4" to 6"



Cast Iron Flanged Fittings & Flanges

Flanged Fittings 1" to 30", 125# & 250#
Cast Iron 125#, 250#, Flanges
Blind, Threaded, Reducing Threaded



Butterfly & Gate Valves

Lug & Wafer Flanged, Mechanical
Joint, Threaded,
Push-On, Check



Nipples

1/8" – 8" Black & Galvanized
Welded – Seamless
Schedule 40, 80, and XXH, Brass Schedule 40

SMITH-COOPER®
INTERNATIONAL

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