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|---|--|---|---|---|---|
| 
Strict Compliance with
International Standards
مطابقة لكافة المعايير الدولية | 
Massive Production
Capacity
قدرة الإنتاجية كبيرة جداً | 
Guaranteed Seamless
Supply Chain
ضمان سلسلة التوريد | 
Extended Long-Term
Warranty
ضمان يدوم طويلاً | 
Comprehensive
One-Stop Services
خدمات شاملة في مكان واحد | 
All Products
Under One Roof
كل المنتجات في مكان واحد |
| 
Uncompromising Quality
and Reliability
الاعتمادية والجودة | 
Complete Alignment with
the Kingdom's Vision
توافق كامل مع رؤية المملكة | 
Unmatched Value and
Return on Investment (ROI)
القيمة مقابل العائد في الأفضل | 
Advanced Loyalty Program
for Ultimate Satisfaction
برنامج ولاء متقدم لرضائكم | 
24/7 Round-the-Clock
Support
خدمات على مدار الساعة | 
Expert Consultation
for Optimal Value
الدعم الاستشاري لأفضل قيمة |

احسب كفاءة شبكتك:
استخدم حاسبة الهيدروليكا
المتقدمة من تكوين بلاست
OPTIMIZE YOUR NETWORK:
Use Takween's Plast Advanced
Hydraulics Calculator.



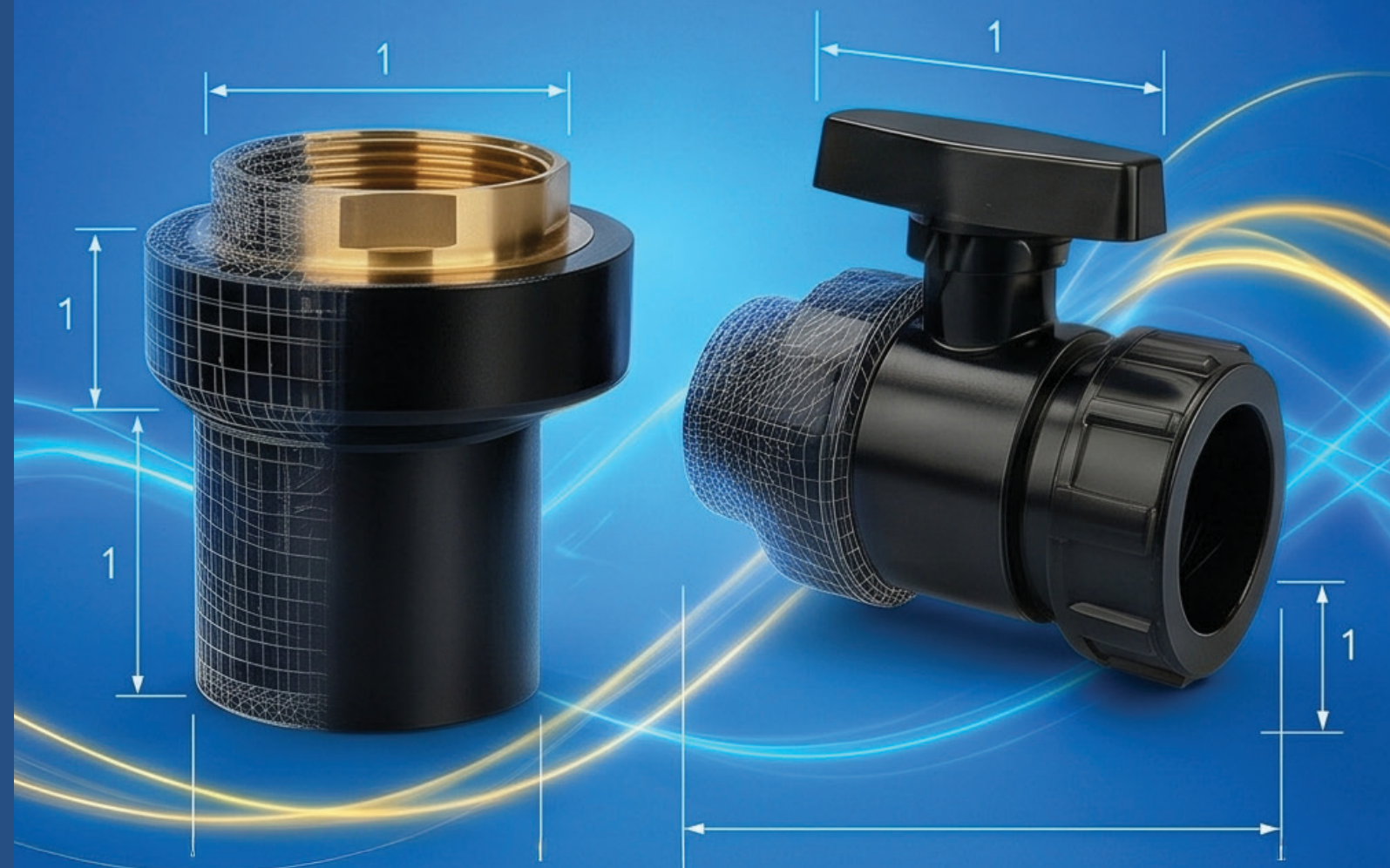
صمم بدقة:
حمل مكتبة (BIM)
لمنتجات تكوين الآن.
DESIGN WITH PRECISION:
Download Takween's BIM
Library Now.



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ABDULRAHMAN ALGHAFFEY - ST.3285 AR RAWDAH,
RIYADH 13213 1ST FLOOR
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TAKWEEN PLAST
One of Innovation Experts Brands إحدى علامات شركة صدرات الابتكار التجارية

HDPE FITTINGS
SASO/ISO
STANDARD



رسالتنا

بناء قاعدة صلبة ومتنامية من العملاء المخلصين عبر تقديم أنظمة أنابيب بلاستيكية عالية الجودة تتوافق مع أرفع المعايير الدولية. نحن ملتزمون بتوفير منتجات موثوقة وحلول مبتكرة وخدمات استثنائية تدعم النجاح طويل الأمد لعملائنا وشركائنا، وتسهم بفاعلية في التنمية المستدامة للبنية التحتية الحديثة.

رؤيتنا

أن نصبح رائداً عالمياً معترفاً به في مجال أنظمة الأنابيب البلاستيكية، واضعين معايير جديدة للثقة والابتكار والتميز الصناعي. نطمح "تكوين بلاست" لقيادة الأسواق الإقليمية من خلال التقنيات المتقدمة والحلول المستدامة والشراكات الاستراتيجية، لتصبح مرجعاً موثقاً لمشاريع البنية التحتية والمرافق العامة حول العالم.

قيمنا الجوهرية

1. التميز في الجودة: نلتزم بأعلى معايير التصنيع لتقديم حلول أنابيب موثوقة وطويلة الأمد تلبي المتطلبات الدولية وتتجاوز تطلعات عملائنا.
2. الالتزام تجاه العملاء: نضع عملاءنا في قلب اهتماماتنا، ونبني شراكات طويلة الأمد قائمة على الثقة، والأداء المتفوق، والنجاح المشترك.
3. الابتكار والتحسين المستمر: نسعى دوماً لتطوير حلول متقدمة وتحسين عملياتنا لمواكبة الاحتياجات المتطورة في قطاع البنية التحتية والصناعة.
4. النزاهة والموثوقية: نعمل بشفافية ومسؤولية ومهنية عالية، بما يضمن أداءً يعتمد عليه في كل مشروع ندعمه.
5. الاستدامة والمسؤولية: نلتزم بممارسات تصنيعية مسؤولة بيئياً تسهم في تطوير بنية تحتية مستدامة وحماية البيئة للأجيال القادمة.

من نحن تكوين بلاست



تعد شركة "صائدات الابتكار" المظلة المؤسسية والمالك لعلامة "تكوين بلاست" التجارية. حيث يجسد هذا الارتباط تكاملاً استراتيجياً يجمع بين الرؤية الاستثمارية والخبرة الصناعية المعمقة؛ بينما تقود "صائدات الابتكار" قاطرة الابتكار والنمو، تبرز "تكوين بلاست" كذراع صناعي متميز يمثل تحالفاً استراتيجياً لنخبة من كبار المصنعين في العديد من الدول عبر خمس دول.

نحن ملتزمون بتقديم حلول مستدامة ومبتكرة لأنظمة الأنابيب البلاستيكية المستخدمة في شبكات تصريف المياه، والاتصالات، وأنظمة التكييف (HVAC)، وتطبيقات الطاقة. ونفخر بتوفير أنظمة متطورة تتماشى مع المتطلبات المتسارعة لمشاريع البنية التحتية الحديثة، على المستويين الإقليمي والعالمي.

تكمّن قوتنا في العمل التشاركي، والوحدة التنظيمية، والالتزام المشترك بالتميز. ومن خلال تواجدها الاستراتيجي في مراكز الأعمال الرئيسية بالملكة العربية السعودية ومنطقة الخليج والشرق الأوسط، تستند "تكوين بلاست" إلى كوادرات بشرية عالية الكفاءة، وشبكة موثوقة من الموزعين، وشراكات تجارية متينة لخدمة قاعدة عريضة ومتنوعة من العملاء.

وتعمل "تكوين بلاست" كشبكة متكاملة من شركات التصنيع المحلية، بالتعاون مع أكثر من 20 شريك إنتاج دولي، مدعومة بسلسلة توريد قوية في كافة أنحاء المملكة ودول مجلس التعاون الخليجي والشرق الأوسط الكبير. تتيح لنا هذه القدرات الجماعية تقديم جودة ثابتة، وحلولاً مخصصة، وخدمات موثوقة في كافة الأسواق التي نتواجد فيها.

Who We Are **TAKWEEN PLAST**



About Us "Innovation Expeerts" (Innovation Exports) is the institutional umbrella and the proud owner of the "Takween Plast" brand. This relationship represents a strategic integration combining investment vision with industrial expertise, where "Innovation Expeerts" drives innovation and growth, while "Takween Plast" operates as a distinguished industrial arm representing a strategic consortium of leading Saudi manufacturers. We are committed to delivering sustainable and innovative plastic piping solutions for water drainage, telecommunications, HVAC, and energy applications. We take pride in providing advanced piping systems that align with the evolving requirements of modern infrastructure projects, both regionally and globally. Our strength lies in collaboration, organizational unity, and a shared commitment to excellence. With a strategic presence across key business hubs in the Kingdom of Saudi Arabia, the Gulf region, and the Middle East, TAKWEEN PLAST leverages a highly skilled workforce, a trusted network of distributors, and strong business partnerships to serve a broad and diverse client base. Operating as an integrated network of local manufacturing companies, and collaborating with more than 20 international production partners, TAKWEEN PLAST is supported by a robust distribution chain throughout Saudi Arabia, the GCC, and the wider Middle East. This collective capability enables us to deliver consistent quality, customized solutions, and reliable service across all markets we serve.



OUR MISSION

To build a strong and continuously expanding base of satisfied and loyal customers by consistently delivering high-quality plastic piping systems that meet the highest international standards. We are committed to providing reliable products, innovative solutions, and exceptional service that support the long-term success of our clients and partners while contributing to the sustainable development of modern infrastructure.

OUR VISION

To become a globally recognized leader in plastic piping systems, setting benchmarks for trust, innovation, and manufacturing excellence. Takween Plast aims to lead regional markets through advanced technologies, sustainable solutions, and strategic partnerships, becoming a trusted reference for infrastructure and utility projects worldwide.

Our Core Values

١. **Quality Excellence:** We uphold the highest standards in manufacturing, delivering reliable and long-lasting piping solutions that meet international requirements and exceed customer expectations.
٢. **Customer Commitment:** We place our customers at the center of everything we do, building long-term partnerships based on trust, performance, and mutual success.
٣. **Innovation & Continuous Improvement:** We continuously develop advanced solutions and enhance our processes to meet evolving infrastructure and industry demands.
٤. **Integrity & Reliability:** We operate with transparency, accountability, and consistency, ensuring dependable performance in every project we support.
٥. **Sustainability & Responsibility:** We are committed to environmentally responsible manufacturing practices that contribute to sustainable infrastructure development and long-term environmental protection.

HDPE FITTINGS

SASO/ISO STANDARD

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 TAKWEEN PLAST conduit products offer numerous benefits
 Technical Information
 List of materials for the product
 TAKWEEN PLAST Conduit: Technical Details

AMERICAN STANDARD

NEMA TC 2 pipes
 NEMA TC 6 & TC 8 pipes
 NEMA TC - 3 Fittings
 Fabricated Long Radius Bends NEMA TC - 3 Fittings
 Fabricated Long Radius Bends NEMA TC - 9 Fittings
 Fabricated Couplings & Bell Ends NEMA TC - 3 Fittings
 Fabricated Couplings & Bell Ends NEMA TC - 9 Fittings

DIN STANDARD

SASO STANDARD
 uPVC Conduits/ Ducts
 Fittings and accessories for conduits by TAKWEEN PLAST
 Fabricated Couplings & Bell Ends

IEC, BRITISH & EUROPEAN STANDARD

TAKWEEN PLAST Conduit: Technical Details
 Conduits, Grades, Area and Weights
 Extra Heavy-Duty uPVC Conduit
 Heavy Duty uPVC Conduit
 Medium Duty uPVC Conduit
 Light Duty uPVC Conduit
 SASO & BRITISH STANDARD
 Fittings and accessories for conduits by TAKWEEN PLAST

BRITISH STANDARD

BS 3506-1969
 CLASS B, 6.0 BAR
 CLASS C, 9.0 BAR
 CLASS O (NON-PRESSURE)

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BRITISH STANDARD

BS 3506-1969
CLASS B, 6.0 BAR
CLASS C, 9.0 BAR
CLASS O (NON-PRESSURE)





PRODUCT CATALOG

TAKWEEN PLAST



01. BUTT FUSION FITTING SERIES



02. ELECTROFUSION FITTING SERIES



03. SOCKET FUSION FITTING SERIES



04. MALE/FEMALE THREAD SERIES



05. SIPHON DRAINAGE FITTINGS



06. TRANSITION FITTINGS



07. REPAIR CLAMP



08. VALVE SERIES

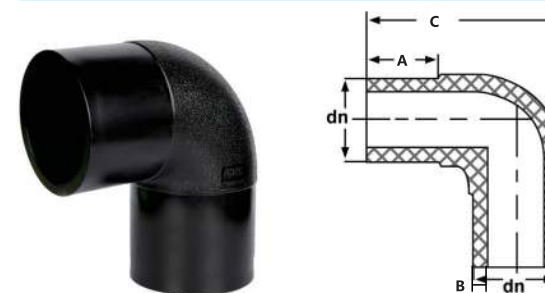


09. MACHINE & TOOLS



GB STANDARD BUTT FUSION FITTING SERIES

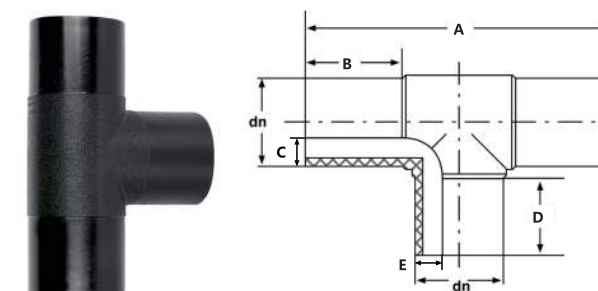
TAKWEEN PLAST



Equal Elbow

dn	Size(mm)			Thickness		
SPECIFICATION (dn)	A	B	C	SDR17	SDR13.6	SDR11
63	59	6	123			✓
75	59	7	137			✓
90	64	8	159			✓
110	66	10	182		✓	✓
125	68	11.8	199		✓	✓
140	70	13	217		✓	✓
160	70	15	236		✓	✓
180	74	16.7	259		✓	✓
200	75	18.6	278	✓	✓	✓
225	79	20.3	310	✓	✓	✓
250	87	22.8	340	✓	✓	✓
315	95	28.7	410	✓	✓	✓
355	108	33	463	✓		✓
400	105	37	510	✓		✓
500	104	45.5	595	✓		✓

End Cap						
dn	Size(mm)			Thickness		
SPECIFICATION (dn)	A	B	C	SDR17	SDR13.6	SDR11
180	72	16.8	108		✓	✓
200	75	18.5	110	✓	✓	✓
225	73	20.7	115		✓	✓
250	84	23.4	127		✓	✓
280	83	26	120		✓	✓
315	90	24	145		✓	
355	87	33	124		✓	✓
400	89	27	130	✓		✓
450	89	26	96.5	✓		
500	90	45.5	120	✓		✓
630	98	58.5	150	✓		✓



Equal Tee

dn	Size(mm)					Thickness		
SPECIFICATION (dn)	A	B	C	D	E	SDR17	SDR13.6	SDR11
63	186	59	6	59	6			✓
75	205	59	7	59	7			✓
90	235	64	8.2	64	8.2			✓
110	254	66	10	66	10		✓	✓
125	277	67	12	67	12		✓	✓
140	295	69	13	69	13		✓	✓
160	318	70	15	70	15		✓	✓
180	346	74	17	74	17		✓	✓
200	367	75	18.4	75	18.4	✓	✓	✓
225	400	79	21	79	21	✓	✓	✓
250	443	87	23.3	87	23.3	✓	✓	✓
280	478	90	26	90	26	✓	✓	✓
315	522	95	29.2	95	29.2	✓	✓	✓
355	588	106	33	106	33		✓	✓
400	624	103	37.4	103	37.4	✓		✓
450	652	96	40.9	96	40.9	✓		✓
500	730	100	45.45	100	45.8	✓		
630	893	130	57.27	130	52.27			



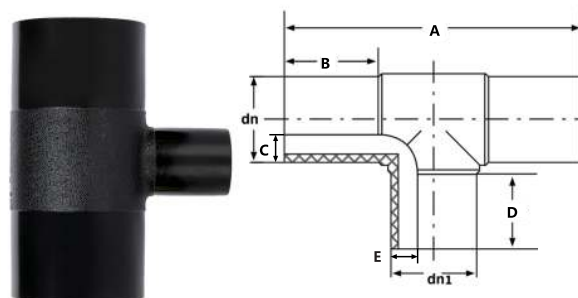
End Cap

dn	Size(mm)			Thickness		
SPECIFICATION (dn)	A	B	C	SDR17	SDR13.6	SDR11
75	57	7	76			✓
90	62	8.3	80			✓
110	62	10.4	87		✓	✓
125	63	12.3	90		✓	✓
140	66	13.3	96		✓	✓
160	70	15	100		✓	✓



GB STANDARD BUTT FUSION FITTING SERIES

TAKWEEN PLAST



Reducing Tee

dn-dn1 SPECIFICATION (dn-dn1)	Size(mm)					Thickness		
	A	B	C	D	E	SDR17	SDR13.6	SDR11
75x32	167	57	7	59	4			✓
75x40	167	58	7	56	4.2			✓
75x50	167	57	6.6	59.5	5			✓
75x63	193	59	6.6	57.5	6			✓
90x40	205	64.5	8	62	5			✓
90x50	204.5	63	8	62	5.5			✓
90x63	204	62	8	61	6			✓
90x75	221	62.5	8	60.5	7			✓
110x40	210	66	10	66	5		✓	✓
110x50	210	65	10	65	5.5		✓	✓
110x63	210	66	10	65	6		✓	✓
110x75	220	66	10	65	7		✓	✓
110x90	233	66	10	65	8.5		✓	✓
125x50	213	67	11.6	65	6.4		✓	✓
125x63	213	67	11.6	65	6		✓	✓
125x75	243	68	12	65.6	7.3		✓	✓
125x90	243	67	12	67	8.5		✓	✓
125x110	262	67	12	67	10		✓	✓
140x50	218	69	13	69	5.5		✓	✓
140x63	218	69	13	69	6.3		✓	✓
140x75	233	69	13	69	7		✓	✓
140x90	246	69	13	69	8.7		✓	✓
140x110	265	69	13	68	10.3		✓	✓
140x125	281	69	13	68	12		✓	✓
160x50	219	70	14.7	70	6		✓	✓
160x63	217	70	14.8	70	6.4		✓	✓
160x75	226	70	15.6	70	7.2		✓	✓
160x90	241.5	70	15	70	8.6		✓	✓
160x110	252	70	15	70	10.3		✓	✓
160x125	311.5	70	15	70	13		✓	✓
160x140	312	70	15	70	13		✓	✓
180x63	254	73	16.6	73	6.6		✓	✓

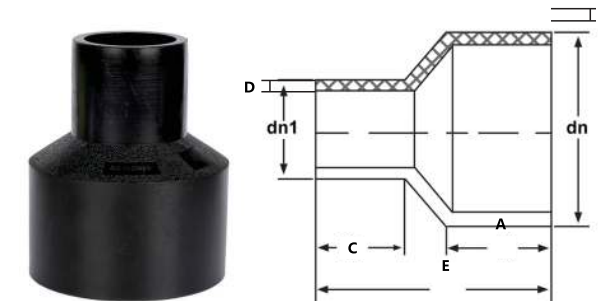
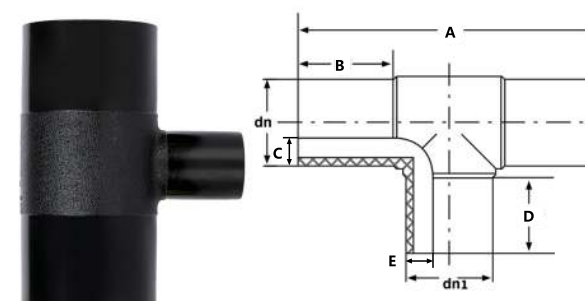
Reducing Tee

dn-dn1 SPECIFICATION (dn-dn1)	Size(mm)					Thickness		
	A	B	C	D	E	SDR17	SDR13.6	SDR11
180x75	254	73	16.5	73	7.5		✓	✓
180x90	251	73	16.5	73	8.7		✓	✓
180x110	274	74	17	73.5	10.5		✓	✓
180x125	345	73	16.8	73	11.8		✓	✓
180x140	344	73	16.8	72	13		✓	✓
180x160	345	73	17	73	15		✓	✓
200x50	227	75	18.3	75	6.4	✓	✓	✓
200x63	227	75	18.3	74	6.4	✓	✓	✓
200x75	241	75	18.3	74	7	✓	✓	✓
200x90	255	75	18.3	74	8.5	✓	✓	✓
200x110	274	76	18.3	73	10.4	✓	✓	✓
200x125	327.5	75	18.5	73	12		✓	✓
200x140	327	75	18.7	73	13		✓	✓
200x160	328	75	18.4	73	15	✓	✓	✓
200x180							✓	
225x63	268	81	21	78	6.8	✓	✓	✓
225x75	267	80	21	79	7.5	✓	✓	✓
225x90	269	80	21	78	9	✓	✓	✓
225x110	286	79	21	78	10.5	✓	✓	✓
225x125	337	80	21	78	12		✓	✓
225x140	338	80	21	78	13.8		✓	✓
225x160	338	81	21	77	15		✓	✓
225x200	400	79	21	80	18.8		✓	✓
250x75	302	87	23.5	81	7.7	✓	✓	✓
250x90	302	86	23.3	82	8.5	✓	✓	✓
250x110	302	87	23	80	10.2	✓	✓	✓
250x125	353	87	23.4	81	11.8	✓	✓	✓
250x160	353	88	23.3	81	15.2	✓	✓	✓
250x180	392	88	23.2	79	17	✓	✓	✓
250x200	392	88	23.2	81	18.8	✓	✓	✓
250x225	443	88	23.6	87	21.4	✓	✓	✓
280x110	288	87	26	69	10.3		✓	✓
280x160	337	87	25.8	69	15		✓	✓
280x200	474	90	26	89	18.6		✓	✓
280x225	478	91	26.1	90	21.1		✓	✓
280x250	478	90	26.2	89	23.4		✓	✓
315x50								
315x63	318	94	24	71	7.5	✓		✓
315x75	317	94	24	74	7	✓		✓
315x90	317	95	29.4	83	8.5	✓		✓
315x110	317	93	29.3	83	10.7	✓	✓	✓
315x125	370	95	29.5	86	12		✓	✓



GB STANDARD BUTT FUSION FITTING SERIES

TAKWEEN PLAST



Reducing Tee

dn-dn1 SPECIFICATION (dn-dn1)	Size(mm)					Thickness		
	A	B	C	D	E	SDR17	SDR13.6	SDR11
315x160	369	95	29.5	84	15	✓	✓	✓
315x180	407	96	29.5	83	17		✓	✓
315x200	405	94	29.3	83	18.6	✓	✓	✓
315x250	428	110	28.5	78	23	✓		✓
315x280	522	95	29.6	89	26		✓	✓
355x110	424	103	33.5	77	10.5		✓	✓
355x160	426	103	33	76	15		✓	✓
355x200	425	102	33	76	19		✓	✓
355x250	588	108	33	107	23.2		✓	✓
355x280							✓	✓
355x315	578	107	32.5	106	29.2		✓	✓
400x110	440	105	37.2	84	10.2	✓		✓
400x160	440	105	37.2	84	15.4	✓		✓
400x200	440	104	37.4	84	18.7	✓		✓
400x250	473	105	37.1	89	23.3	✓		✓
400x315	540	105	37.3	96	29.2	✓		✓
450x110	314	98	41	77	10.2	✓		✓
450x160	362	98	40.3	77	15	✓		✓
450x200	410	102	40.7	79	19	✓		✓
450x250	454	100	41.7	86	23.4	✓		✓
450x315	516	100	41	90	29.5	✓		✓
450x400	603	98	40.9	95	37.2	✓		✓
500x110	334	105	46.2	94	10.4	✓		✓
500x160	434	105	46.2	96	15	✓		✓
500x200	432	104	46	95	18.6	✓		✓
500x250	535	105	46.3	104	24.3	✓		✓
500x315	533	104	46.5	103	29.2	✓		✓
500x400	623	105	46.2	104	37	✓		✓

Reducer

dn-dn1 SPECIFICATION (dn-dn1)	Size(mm)					Thickness		
	A	B	C	D	E	SDR17	SDR13.6	SDR11
75x40	58	7	56	5	128			✓
75x50	57	7	57	4.8	128			✓
75x63	59	7	59	6	126			✓
90x40	61	8.3	54	5	133			✓
90x50	61	8.3	57	5.5	133			✓
90x63	60	8.4	60	6	134			✓
90x75	61	8.3	63	7	132			✓
110x40	63	10.3	57	5	143			✓
110x50	62	10.1	59	6	143			✓
110x63	63	10.5	62	5.8	144			✓
110x75	63.5	10.1	64	7	143		✓	✓
110x90	64	10.2	64	8.6	137		✓	✓
125x50	63	11.4	59	6	142		✓	✓
125x63	63	12.1	64	6	145		✓	✓
125x75	64	11.5	66	7	145		✓	✓
125x90	63	11.6	66	8.5	138		✓	✓
125x110	64	12	68	10.6	140		✓	✓
140x63	66	12.9	60	6.3	157		✓	✓
140x75	65	13	65	7.2	155		✓	✓
140x90	67	13.2	67	8.3	153		✓	✓
140x110	66	13	68	10.2	149		✓	✓
140x125	66	13.1	67	11.6	142		✓	✓
160x63	67	14.7	62	6.2	161		✓	✓
160x75	68	15	62	8	158		✓	✓
160x90	70	15	65	8.7	156		✓	✓
160x110	70	15	67	10.2	154		✓	✓
160x125	70	14.8	67	11.6	150		✓	✓
160x140	70	14.9	69	13	149		✓	✓
180x63	72	17	63	7	171		✓	✓
180x75	72	17	66	7.4	171		✓	✓
180x90	72	17	67	8.6	171		✓	✓
180x110	72	16.8	62	10.1	159		✓	✓
180x125	72	17	68	11.6	159		✓	✓
180x140	72	16.8	68	13	157		✓	✓
180x160	72	16.8	70	15	151		✓	✓

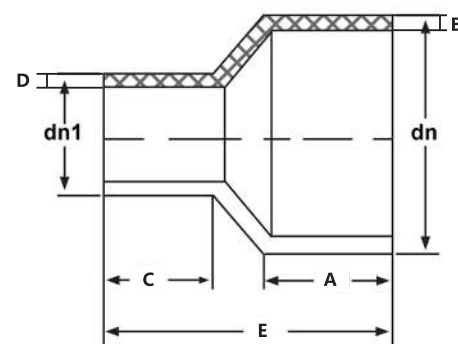


GB STANDARD BUTT FUSION FITTING SERIES

TAKWEEN PLAST

Reducer

dn-dn1	Size(mm)					Thickness		
	A	B	C	D	E	SDR17	SDR13.6	SDR11
200x63	72	18.6	62	6.3	175		✓	✓
200x75	72	18.7	62	7.3	172		✓	✓
200x90	75	18.6	67	8.7	178		✓	✓
200x110	75	18.5	66	10.3	173		✓	✓
200x125	75	18.6	67	12	167		✓	✓
200x140	75	18.6	68	13	162		✓	✓
200x160	76	18.5	69	15	159		✓	✓
200x180	75	18.3	74	17	166		✓	✓
225x63	72	21.2	64	6.5	179		✓	✓
225x75	73	21.2	66	7.7	179		✓	✓
225x90	73	20.7	68	8.7	175		✓	✓
225x110	73	21.0	68	10.4	173		✓	✓
225x125	73	21.0	68	12	172		✓	✓
225x140	73	20.8	67	13.3	165		✓	✓
225x160	73	21.0	70	15	165	✓		✓
225x180	73	21.0	72	17	165	✓		✓
225x200	73	21.0	75	18.6	167	✓		✓
250x110	83	23.0	72	10.4	190	✓	✓	✓
250x125	84	19.0	75	9.5	190		✓	
250x140	83	19.0	76	10.8	188		✓	
250x160	84	23.4	78	15	185	✓	✓	✓
250x180	82	19.0	80	13.5	183		✓	
250x200	83	23.2	83	18.5	179	✓	✓	✓
250x225	84	23.4	87	20.8	180		✓	✓
280x110	83	26.0	64	10.2	170		✓	✓
280x125							✓	✓
280x140							✓	✓
280x160	82	26.0	63	15	161		✓	✓
280x200	83	26.0	66	18.2	164		✓	✓
280x250	82	26.0	79	22.8	169		✓	✓
315x110	92	29.0	72	10.2	202	✓	✓	✓
315x160	92	29.4	80	15	201	✓	✓	✓
315x200	92	29.3	82	18.7	199	✓	✓	✓
315x225	92	24.0	86	17	197		✓	✓
315x250	92	29.0	88	23	193	✓	✓	✓
355x110	86	33.0	66	10.2	181		✓	✓
355x160	86	33.0	64	15	172		✓	✓
355x200	87	33.0	69	18.2	167		✓	✓

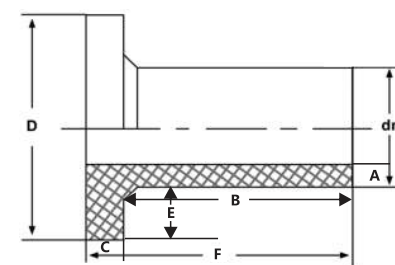


355x250	86	33	79	23	176		✓	✓
355x315	86	33	83	28.6	175		✓	✓
400x110	88	37.3	75	10.2	196	✓		✓
400x160	88	37.3	76	15	190	✓		✓
400x200	88	37.2	77	18.2	186	✓		✓
400x250	89	37.2	86	23.6	191	✓		✓
400x315	88	37	88	29	187	✓		✓
500x160	90	45.6	72	15	199	✓		✓
500x200	90	45.3	71	18.5	195	✓		✓
500x250	90	45.4	83	23.1	197	✓		✓
500x315	90	45.4	85	28.5	194	✓		✓
500x400	91	45.6	87	37.3	184	✓		✓
500x450	90	45.5	88	41.3	185	✓		✓
630x315	98	58.3	91	28	214	✓		✓
630x400	98	59	95	36	213	✓		✓
630x500	98	59	95	44.4	199	✓		✓
630x560	98	59	95	50.5	198	✓		✓



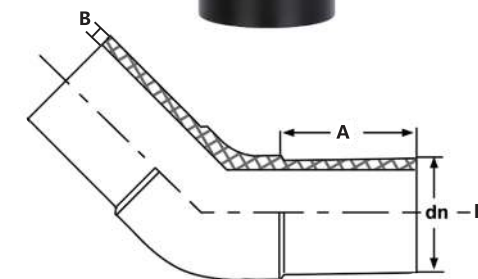
GB STANDARD BUTT FUSION FITTING SERIES

TAKWEEN PLAST



Stub End

dn	Size(mm)						Thickness		
	A	B	C	D	E	F	SDR17	SDR13.6	SDR11
50	4.4	66	9.3	76	12.6	75			✓
60	5.7	71	11	87	11	81			✓
75	6.8	71	11.6	103	14	82			✓
90	8.3	72	12.2	122	14.6	84			✓
110	10.3	86	16	146	17	102		✓	✓
125	11.5	87	16.1	157	15	103		✓	✓
140	13	90	17.5	176	17.5	107		✓	✓
160	14.6	91	21	200	18.5	112		✓	✓
180	16.7	95	20.5	222	20	115		✓	✓
200	18.2	102	24	249	23	127	✓	✓	✓
225	21.3	107	24.2	273	21.5	133	✓	✓	✓
250	23.4	120	27.6	298	22	151	✓	✓	✓
280	26	112	30	328	21	141	✓	✓	✓
315	30	115	31	367	24.3	146	✓	✓	✓
355	33	117	32.6	410	27	151	✓	✓	✓
400	37	146	37	473	35	186	✓	✓	✓
450	42	127	39	520	37	170	✓	✓	✓
500	47	136	46	570	33	181	✓	✓	✓
560	52	137	48	613	30	186	✓		✓
630	58	143	47.3	690	31	191	✓	✓	✓
710							✓		
800							✓		



45° Elbow

dn	Size(mm)		Thickness		
	A	B	SDR17	SDR13.6	SDR11
63	56	5.6			✓
75	59	7			✓
90	63	8			✓
110	66	10			✓
125	67	11.3		✓	✓
140	69	12.8		✓	✓
160	70	15		✓	✓
180	64	16		✓	✓
200	75	18.5		✓	✓
225	76	20.5	✓	✓	✓
250	80	23.5	✓	✓	✓
280	82	26		✓	✓
315	82	29.2	✓	✓	✓
355	102	33		✓	✓
400	104	37.4	✓		✓
450	95	42	✓		✓
500	104	46	✓		✓
630					



ELECTROFUSION FITTING SERIES

TAKWEEN PLAST



Equal Coupler

SPECIFICATION	SDR11 SIZE(mm)					
	A	B	C	D	E	F
50	63.06	51.09	45.78	26	99	6
63	74.4	63	50	27	105	6
75	88.6	75	58	29	116	6.8
90	106	90	64	32	128	8.1
110	130	110	70	35	140	10
125	147	125	70	37	140	11.36
140		140				
160	189	160	84	47	168	14.5
200	236	200	90	50	185	18.1
225	266	225	105	50	210	20.4
250	295	250	105	51	210	22.7
315	372	315	135	67	270	28.6
400	472	400	145	75	290	36.3
500	578	500	150	90	310	39
630	744	630	185	110	390	57.4

Reducing Coupler

SDR11												
SPECIFICATION	SIZE(mm)											
	A1	A2	B1	B2	C1	C2	D1	D2	E	F1	F2	
63x50	74	59	63	50	54	50	30	30	110	5.7	4.5	
75x50	88	63	75	50	57	50	30	30	120	6.8	4.5	
75x63	88	74	75	63	57	50	30	30	120	6.8	5.7	
90x50	106	59	90	50	64	50	30	30	130	8.1	4.5	
90x63	106	74	90	63	64	50	30	30	130	8.1	5.7	
90x75	106	88	90	75	64	50	40	35	130	8.1	6.8	
110x50	130	59	110	50	72	60	40	35	144	10	4.5	
110x63	130	74	110	63	72	60	40	35	144	10	5.7	
110x75	130	88	110	75	72	60	40	35	144	10	6.8	
110x90	130	106	110	90	72	60	40	35	144	10	8.1	
160x63	189	74	160	63	85	95	40	65	205	14.5	5.7	
160x75	189	88	160	75	85	75	40	40	180	14.5	6.8	
160x90	189	106	160	90	85	75	40	40	180	14.5	8.1	
160x110	189	130	160	110	85	75	40	47	177	14.5	10	
160x125	189	148	160	125	83	83	43	43	176	14.5	11.5	
200x63	236	74	200	63	95	105	40	70	230	18.1	5.7	
200x75	236	89	200	75	95	95	40	75	220	18.18	6.81	
200x90	236	106	200	90	95	95	50	40	220	18.18	8.18	
200x110	236	130	200	110	95	85	50	40	195	18.18	10	
200x125	236	148	200	125	95	81	46	40	206	18.18	11.5	
200x160	236	189	200	160	95	85	50	40	195	18.18	14.54	
250x110	296	130	250	110	107	85	57	50	232	23	10	
250x160	296	189	250	160	107	85	57	50	232	23	14.54	
250x200	296	236	250	200	107	85	57	50	232	23	23.6	
315x160	373.5	190.2	315	160	116	100	57	52	241	29	15	
215x200	373.5	237.2	315	200	116	100	57	52	241	29	18.5	
315x250	373.5	292.3	315	250	116	100	57	52	241	29	21	

Equal Coupler

SPECIFICATION	SDR17 SIZE(mm)					
	A	B	C	D	E	F
315	352	315	115	60	230	18.5
355	396	355	138	70	276	20.8
400	447	400	145	75	290	23.5
500	558	500	150	90	310	29
630	690	630	195	110	390	30
710	796	710	195	110	390	43
800	894	800	210	135	420	47
1000	1120	1000	260	160	530	58
1200	1343	1200	270	170	540	70



ELECTROFUSION FITTING SERIES

TAKWEEN PLAST



Stub End

SPECIFICATION	SDR11 SIZE(mm)					
	A	B	C	D	E	F
50	59	50	72	50	80	4.6
63	74.4	63	72	50	80	5.7
75	86.6	75	72	50	80	6.8
90	106.2	90	80	50	85	8.1
110	130	110	93	63	98	10
125	147	125	102	107	112	11.3
160	189	160	115	65	122	14.5
200	236	200	115	65	123	16.18
225	266	225	115	71	123	20.5
250	295	250	135	70	145	22.7
315	358	315	143	96	155	21.5

Tee

SPECIFICATION	SDR11 SIZE(mm)					
	A	B	C	D	E	F
50	59	50	50	25	142	4.5
63	74.4	63	50	27	162	5.7
75	86.6	75	58	29	180	6.8
90	106	90	64	32	205	8.1
110	130	110	72	35	235	10
125	147	125	70	37	255	11.36
160	189	160	77	47	295	14.5
200	236	200	100	50	360	18.1
225	266	225	100	55	370	20.4
250	298	250	110	51	430	22.7
315	372	315	135	67	535	28.6

Stub End

SPECIFICATION	SDR17 SIZE(mm)					
	A	B	C	D	E	F
355	396	355	143	96	155	20.8
400	447	400	143	96	155	23.5
500	550	500	170	120	190	25
630	682	630	193	120	203	26
710	775	710	230	130	245	32.5
800	875	800	235	148	260	37.5
1000	1094	1000	330	180	350	45

Tee

SPECIFICATION	SDR17 SIZE(mm)					
	A	B	C	D	E	F
315	352	315	120	60	495	18.5
400	477	400	150	75	630	23.5
500	558	500	150	90	725	29



STEEL-HDPE TRANSITION COUPLER

SPECIFICATION	SIZE(mm)		ITEM NO.
	L1	L2	
75	159	75	G75
90	168	80	G90
110	170	85	G110
160	180	92	G160
200	187	95	G200

STEEL-HDPE TRANSITION 90° ELBOW

SPECIFICATION	SIZE(mm)		ITEM NO.
	L1	L2	
110	240	78	G110x90°
160	278-302	97	G160x90°

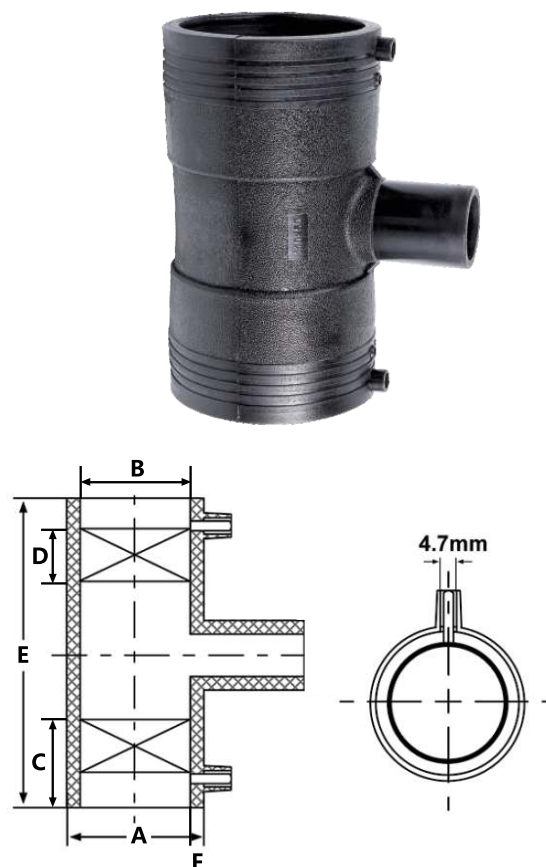


ELECTROFUSION FITTING SERIES

TAKWEEN PLAST

Reducing Tee

SPECIFICATION	SDR11					
	SIZE(mm)					
A	B	C	D	E	F	
50x40	59	50	50	25	142	4.5
63x50	74.4	63	50	27	162	5.7
75x50	88.6	75	58	29	180	6.8
75x63	88.6	75	58	29	180	6.8
90x80	106	90	64	32	205	8.1
90x63	106	90	64	32	205	8.1
90x75	106	90	64	32	205	8.1
110x50	130	110	70	35	235	10
110x63	130	110	70	35	235	10
110x75	130	110	72	35	235	10
110x90	130	110	72	35	235	10
125x75	147	125	70	37	255	11.36
125x90	147	125	70	37	255	11.36
125x110	147	125	70	37	255	11.36
160x50	189	160	77	47	295	14.5
160x63	189	160	77	47	295	14.5
160x75	189	160	77	47	295	14.5
160x90	189	160	77	47	295	14.5
160x110	189	160	77	47	295	14.5
160x125	189	160	77	47	295	14.5
200x50	236	200	100	50	290	18.1
200x63	236	200	100	50	290	18.1
200x75	236	200	100	50	290	18.1
200x90	236	200	100	50	290	18.1
200x110	236	200	100	50	290	18.1
200x125	236	200	100	50	360	18.1
225x110	266	225	100	55	370	20.4
225x160	266	225	100	55	370	20.4
225x200	266	225	100	55	370	20.4
250x110	298	250	110	51	430	22.7
250x160	298	250	110	51	430	22.7
250x200	298	250	110	51	430	22.7
315x90	372	315	135	67	535	28.6
315x110	372	315	135	67	535	28.6
315x160	372	315	135	67	535	28.6
315x200	372	315	135	67	535	28.6
315x250	372	315	135	67	535	28.6



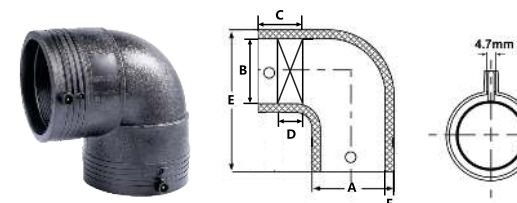
Reducing Tee

SPECIFICATION	SDR17					
	SIZE(mm)					
A	B	C	D	E	F	
315x110	352	315	120	60	500	18.5
315x160	352	315	120	60	500	18.5
315x200	352	315	120	60	500	18.5
315x250	352	315	120	60	500	18.5
400x110	447	400	150	75	630	23.5
400x160	447	400	150	75	630	23.5
400x200	447	400	150	75	630	23.5
400x250	447	400	150	75	630	23.5
400x315	447	400	150	75	630	23.5
500x110	558	500	150	90	725	29
500x160	558	500	150	90	725	29
500x200	558	500	150	90	725	29
500x250	558	500	150	90	725	29
500x315	558	500	150	90	725	29
500x400	558	500	150	90	725	29



ELECTROFUSION FITTING SERIES

TAKWEEN PLAST

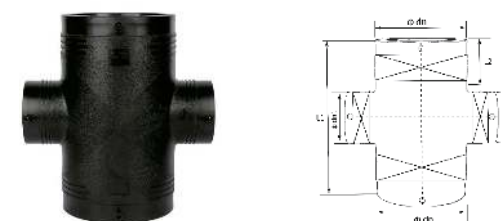


90° Elbow

SPECIFICATION	SDR11					
	SIZE(mm)					
A	B	C	D	E	F	
50	59	50	50	27		4.5
63	74.4	63	53	27		5.7
75	86.6	75	60	29		6.8
90	106	90	67	32		8.1
110	130	110	73	35		10
125	147	125	74	40		11.3
160	189	160	87	47		14.5
200	236	200	93	50		22.7
225	266	225	105	50		20.5
250	295	250	105	51		22.7
315	372	315	140	67		28.6

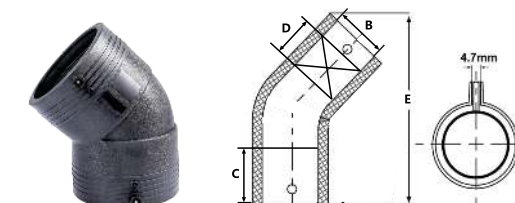
90° Elbow

SPECIFICATION	SDR17					
	SIZE(mm)					
A	B	C	D	E	F	
315	352	315	120	60		18.5
400	447	400	145	75		23.5
500	558	500	150	90		29
630	690	630	190	110		30



ELECTROFUSION REDUCING CROSS

SPECIFICATION	SIZE(mm)		ITEM NO.
	L1	L2	
+160*110	340	76	+160*110
+200*110	380	80	+200*110
+200*160	400	85	+200*160
+315*110	530	90	+315*110
+315*160	550	100	+315*160
+315*200	560	110	+315*200
+315*250	570	130	+315*250



45° Elbow

SPECIFICATION	SDR11					
	SIZE(mm)					
A	B	C	D	E	F	
50	59	50	50	25		4.5
63	74.4	60	50	27		5.7
75	86.6	75	58	29		6.8
90	106	90	64	32		8.1
110	130	110	70	35		10
160	189	160	84	47		14.5
200	236	200	90	50		18.1
250	295	250	105	51		22.7
315	372	315	135	67		28.6

45° Elbow

SPECIFICATION	SDR17					
	SIZE(mm)					
A	B	C	D	E	F	
400	447	400	145	75		23.5



ELECTROFUSION CROSS

	SIZE(mm)		
	L1	L2	
+110	263	71	+110
+160	340	85	+160
+200	410	100	+200
+315	570	130	+315



ELECTROFUSION FITTING SERIES

TAKWEEN PLAST

ELECTROFUSION TAPPING SADDLE

SPECIFICATION	SIZE(mm)				ITEM NO.
	L	A	B	H	
63×20	115	100	52	122	Et63×20
63×25	115	100	52	122	ET63×25
63×32	115	100	65	122	ET63×32
75×20	115	100	52	122	ET75×20
75×25	115	100	52	122	ET75×25
75×32	115	100	65	122	ET75×32
90×20	130	143	56	145	ET90×20
90×25	130	143	56	145	ET90×25
90×32	130	143	56	185	ET90×32
90×63	140	140	85	185	ET90×63
110×20	130	155	55	145	ET110×20
110×25	130	155	55	145	ET110×25
110×32	130	155	60	150	ET110×32
110×40	145	160	63	180	ET110×40
110×50	145	160	61	177	ET110×50
110×63	140	155	73	200	ET110×63
125×25	130	155	55	145	ET125×25
125×63	140	155	73	200	ET125×63
160×25	142	199	66	169	ET160×25
160×32	142	197	72	169	ET160×32
160×50	190	240	85	235	ET160×50
160×63	190	240	80	235	ET160×63
160×90	190	240	125	235	ET160×90
180×25	142	199	66	169	ET180×25



ELECTROFUSION TAPPING SADDLE

SPECIFICATION	SIZE(mm)				ITEM NO.
	L	A	B	H	
200×63	190	250	85	235	ET200×63
200×90	190	250	120	235	ET200×90
225×32	193	253	65		ET225×32
225×63	190	250	85	235	ET225×63
225×90	190	250	120	235	ET225×90
250×63	190	305	91	250	ET250×63
250×90	190	305	118	250	ET250×90
280×63	190	305	91	250	ET280×63
280×90	190	305	118	250	ET280×90
315×63	190	315	85	250	ET315×63
315×90	190	315	155	250	ET315×90



STAINLESS TRANSITION COUPLING MALE THREAD

SPECIFICATION	SIZE(mm)		ITEM NO.
	L	A	
63mm×2"	117	52	FFE-SSTM63
75mm×2-1/2"	117	40	FFE-SSTM75
90mm×3"	125	45	FFE-SSTM90
110mm×4"	140	51	FFE-SSTM110



STAINLESS TRANSITION COUPLING FEMALE THREAD

SPECIFICATION	SIZE(mm)		ITEM NO.
	L1	L2	
63mm×2"	134	52	FFE-SSTF63
75mm×2-1/2"	134	40	FFE-SSTF75
90mm×3"	144	45	
110mm×4"	160	51	



SOCKET FUSION FITTING SERIES

TAKWEEN PLAST

Equal Coupler



SPECIFICATION

20	75
25	90
32	110
40	
50	
63	

Equal Tee



SPECIFICATION

20	75
25	90
32	110
40	
50	
63	

Reducing Coupler



SPECIFICATION

25x20	75x40
32x20	75x50
32x25	75x63
40x20	90x25
40x25	90x32
40x32	90x40
50x20	90x50
50x25	90x63
50x32	90x75
50x40	110x32
63x20	110x40
63x25	110x50
63x32	110x63
63x40	110x75
63x50	110x90
75x20	
75x25	
75x32	

Reducing Tee



SPECIFICATION

25x20	75x40
32x20	75x50
32x25	75x63
40x20	90x25
40x25	90x32
40x32	90x40
50x20	90x50
50x25	90x63
50x32	90x75
50x40	110x32
63x20	110x40
63x25	110x50
63x32	110x63
63x40	110x75
63x50	110x90
75x20	
75x25	
75x32	

90° Elbow



SPECIFICATION

20	75
25	90
32	110
40	
50	
63	

45° Elbow



SPECIFICATION

20	75
25	90
32	110
40	
50	
63	

End Cap



SPECIFICATION

20	75
25	90
32	110
40	
50	
63	

Flange



SPECIFICATION

20	75
25	90
32	110
40	160
50	
63	

THREAD FITTING SERIES

Male Coupling	SPECIFICATION		Female Coupling	SPECIFICATION	
	20x1/2M	75x2 1/2M		20x1/2F	75x2 1/2F
	25x1/2M	90x3M		25x1/2F	90x3F
	25x3/4M	110x4M		25x3/4F	110x4F
	32x1/2M			32x1/2F	
	32x3/4M			32x3/4F	
	32x1M			32x1F	
	40x1 1/4M			40x1 1/4F	
	50x1 1/2M			50x1 1/2F	
	63x2M			63x2F	

Male Tee	SPECIFICATION		Female Tee	SPECIFICATION	
	20x1/2M			20x1/2F	
	25x1/2M			25x1/2F	
	25x3/4M			25x3/4F	
	32x1/2M			32x1/2F	
	32x3/4M			32x3/4F	
	32x1M			32x1F	

Male Elbow	SPECIFICATION		Female Elbow	SPECIFICATION	
	20x1/2M			20x1/2F	
	25x1/2M			25x1/2F	
	25x3/4M			25x3/4F	
	32x1/2M			32x1/2F	
	32x3/4M			32x3/4F	
	32x1M			32x1F	

BUTT FUSION THREAD FITTING SERIES

Male Coupling	SPECIFICATION		Female Coupling	SPECIFICATION	
					

SIPHON DRAINAGE FITTING SERIES

Electrofusion Coupler	SPECIFICATION		Electrofusion Tee	SPECIFICATION	
	50	200		50x50	160x160
	56	250		75x50	200x110
	63	315		75x75	
	75			110x50	
	90			110x75	
	110			110x110	
	125			125x110	
	160			160x110	

Electrofusion Clean Out Branch	SPECIFICATION		Electrofusion 45° Branch Y Tee	SPECIFICATION	
	50			50x50	160x160
	75			75x50	
	110			75x75	
	125			110x50	
	160			110x75	
	200			110x110	
				125x125	
				160x110	

Electrofusion 45° Elbow	SPECIFICATION		Electrofusion 90° Elbow	SPECIFICATION	
	50			50	
	75			75	
	90			90	
	110			110	
	125			160	
	160			200	
	200				

Electrofusion Eccentric Reducer	SPECIFICATION		Electrofusion 90° Elbow With Clean Out	SPECIFICATION	
	75x50				
	110x50				
	110x75				
	160x75				
	160x110				

Electrofusion 45° Elbow With Clean Out	SPECIFICATION	
		



SIPHON DRAINAGE FITTING SERIES

TAKWEEN PLAST

[illegible]

SIPHON DRAINAGE FITTING SERIES

TAKWEEN PLAST

[illegible]

SIPHON DRAINAGE FITTING SERIES					TAKWEEN PLAST
88.5°Clean Out Branch		SPECIFICATION			
	50	200			
	75				
	90				
	110				
	125				
	160				
Expansion Socket		SPECIFICATION			
	50	200			
	75	250			
	90				
	110				
	125				
	160				
Clean Out With Steel		SPECIFICATION			
	75	250			
	90				
	110				
	125				
	160				
	200				
Cleaning Hole		SPECIFICATION			
	50	200			
	75				
	90				
	110				
	125				
	160				
Cleaning Hole With Steel		SPECIFICATION			
	90				
	110				
	125				
	160				
	200				
End Cap		SPECIFICATION			
	50				
	75				
	110				
	160				
Ventilation Cap		SPECIFICATION			
	50				
	75				
	110				
	160				
Y Type Cross		SPECIFICATION			
	110				
Flange Bushing		SPECIFICATION			
					
Ball Branch		SPECIFICATION			
	110				
Horizontal Floor Drain		SPECIFICATION			
	50	50			
Vertical Floor Drain		SPECIFICATION			
	50	75			
	50	110			

SIPHON DRAINAGE FITTING SERIES					TAKWEEN PLAST				
P-Traps		SPECIFICATION			P-Traps With Clean Out		SPECIFICATION		
	50					50			
	75					75			
	110					110			
S-Traps		SPECIFICATION			S-Traps With Clean Out		SPECIFICATION		
	50					50			
	75					75			
	110					110			
Aqthm Fitting		SPECIFICATION			Sovent		SPECIFICATION		
	110					110			
H-Type Tube		SPECIFICATION			Drainage Tee		SPECIFICATION		
	110					110x50			
						110x75			
Anchored Electrofusion Belt		SPECIFICATION			U-Trap		SPECIFICATION		
	4x4	3x3							
	200	50							
	250	56							
	315	63							
		75							
		90							
		110							
		125							
		160							
		200							
		250							
Expansion Socket		SPECIFICATION			Hopper		SPECIFICATION		
									

SIPHON DRAINAGE FITTING SERIES

Siphon Roof Drain	SPECIFICATION	
	63	160
	75	
	90	
	110	
	125	
87- PE Siphon Roof Drain	SPECIFICATION	
	63	160
	75	
	90	
	110	
	125	
Flat Siphon Roof Drain	SPECIFICATION	
		
Square Pipe Clamp	SPECIFICATION	
		
30*30 Riser Spider	SPECIFICATION	
	50	160
	63	200
	75	250
	90	315
	110	
	125	
40*40 Riser Spider	SPECIFICATION	
	50	160
	63	200
	75	250
	90	315
	110	
	125	
Anchor Bracket	SPECIFICATION	
	50	160
	63	200
	75	250
	90	315
	110	
	125	
Installation Fastener	SPECIFICATION	
	M10	
	M20	
Square Pipe Connector	SPECIFICATION	
	30x30	
	40x40	
C-Shape Beam Clamp	SPECIFICATION	
		
Support Shells	SPECIFICATION	
		

VALVE . FLANGE . SERIES

Flange Parts	SPECIFICATION	
	50	900
	63	1000
	75	1200
	90	
	110	
	125	
	140	
	160	
	180	
	200	
	225	
	250	
	280	
	315	
	355	
	400	
	450	
	500	
	560	
	630	
	710	
	800	
HDPE Pipe Repair Clamp	SPECIFICATION	
	20	280
	25	315
	32	400
	40	
	50	
	63	
	75	
	90	
	110	
	125	
	140	
	160	
	180	
	200	
	225	
	250	
Ball Valve	SPECIFICATION	
	20	110
	25	160
	32	
	40	
	50	
	63	
	75	
	90	
Socket Fusion Stop Valve	SPECIFICATION	
	20	110
	25	160
	32	
	40	
	50	
	63	
	75	
	90	
Butt Fusion Stop Valve	SPECIFICATION	
	75	
	90	
	110	
	125	
	160	
Butt Fusion Welding Machine	SPECIFICATION	
		
Electrofusion Welding Machine	SPECIFICATION	
		



COMPRESSION AND IRRIGATION FITTINGS

TAKWEEN PLAST

MALE ADAPTOR



Code	D x G	L2	Z	L1	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFMA032X1"	32 x 1"	67	6	20	10	160	100
SAFMA050X1-1/2"	50 x 1-1/2"	92	7	21	10	50	225
SAFMA063X2"	63 x 2"	109	8	26	10	30	385
SAFMA090X3"	90 x 3"	136	11	35	10	12	860
SAFMA110X4"	110 x 4"	146	12	39	10	8	1240



TEE 90°

Code	D x D1 x D	L	Z	Z1	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFTEE032	32 x 32 x 32	68	45	23	10	50	275
SAFTEE050	50 x 50 x 50	92	56	30	10	15	675
SAFTEE063	63 63 x 63	110	70	35	10	10	1145
SAFTEE090	90 x 90 x 90	136	98	45	10	4	2500
SAFTEE110	110 x 110 x 110	145	130	69	10	2	3610



ELBOW 90°

Code	D x D	D	L	I	Z	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFELB032	32 x 32	63	88	64	24	10	90	190
SAFELB050	50 x 50	92	120	91	29	10	25	480
SAFELB063	63 x 63	111	145	110	35	10	15	800
SAFELB090	90 x 90	152	188	135	53	10	6	1720
SAFELB110	110 x 110	174	210	145	65	10	4	2520



COMPRESSION AND IRRIGATION FITTINGS

TAKWEEN PLAST

END CAP



Code	D	L	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFEC032	32	78	10	170	100
SAFEC050	50	95	10	55	215
SAFEC063	63	111	10	30	380
SAFEC090	90	141	10	12	830
SAFEC110	110	157	10	10	1200



COUPLING

Code	D x D	D	L	Z	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFCOU032	32 X 32	32	68	3	10	100	172
SAFCOU050	50 X 50	50	92	4	10	40	390
SAFCOU063	63 X 63	63	110	5	10	18	670
SAFCOU090	90 X 90	90	135	6	10	6	1532
SAFCOU0110	110 X 110	110	145	6	10	6	2100



MALE TEE 90°

Code	D x G x D	L1	L2	Z	Z1	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFMTEE050X1-1/2"	50 x 1-1/2" x 50	92	24	56	52	10	20	516
SAFMTEE063X2"	63 x 2" x 63	109	30	72	59	10	10	900
SAFMTEE090X3	90 x 3" x 90	137	36	96	84	10	4	1930
SAFMTEE110X4	110 x 4" x 110	145	44	125	96	10	3	2890



COMPRESSION AND IRRIGATION FITTINGS

TAKWEEN PLAST



MALE ELBOW 90°

Code	D x G	L1	L2	Z	Z1	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFMELB032X1"	32 x 1"	67	23	23	32	10	130	115
SAFMELB050X1-1/2"	50 x 1-1/2"	90	25	30	52	10	40	315
SAFMELB063X2"	63 x 2"	109	31	37	59	10	20	525



SADDLE PARTS

TAKWEEN PLAST

1- Upper Part

Saddle upper part is made of a combination of Polypropylene Grade PP-570 and PP-440.

2- Base Part

Saddle base part is made of a combination of Polypropylene Grade PP-570 and PP 440

3- Bolt & Nuts

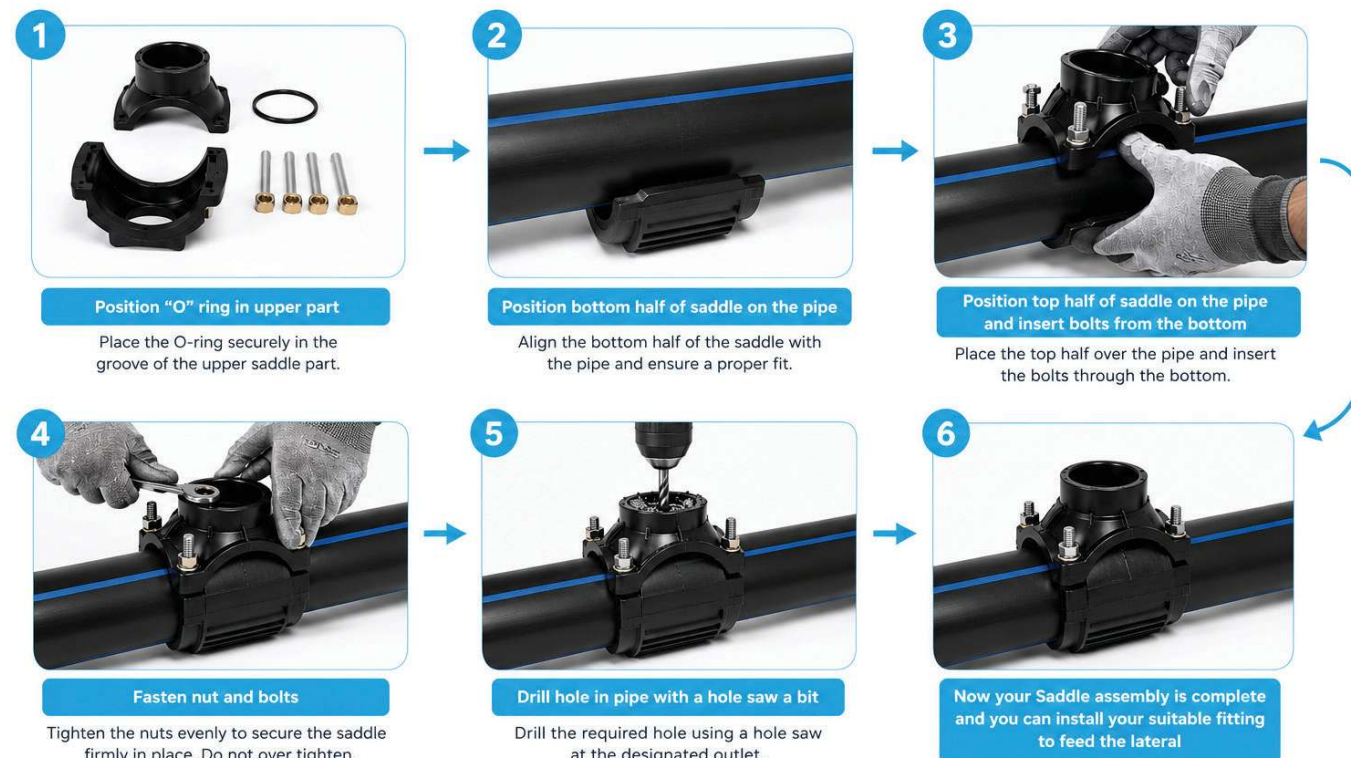
Bolt and nuts are made of stainless steel with plated Hex Bolts, full thread Din 933 - CI-4.8.
Stainless Steel Bolt & Nut (Optional) to be supplied on request.

4- 'O' Ring

'O' Rings are made of nitrile-butadiene rubber (NBR).



SADDLE ASSEMBLY



SADDLE PARTS

Nominal Diameter mm(d) X Inch(Ø)	Code	No. of Bolts	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
32 mm X 1/2"	SAFSA032X1/2"	2	10	200	102
32 mm X 3/4"	SAFSA032X3/4"	2	10	200	104
40 mm X 1/2"	SAFSA040X1/2"	2	10	200	102
40 mm X 3/4"	SAFSA040X3/4"	2	10	200	104
40 mm X 1"	SAFSA040X1"	2	10	200	108
50 mm X 1/2"	SAFSA050X1/2"	2	10	150	120
50 mm X 3/4"	SAFSA050X3/4"	2	10	150	125
50 mm X 1"	SAFSA050X1"	2	10	150	126
63 mm X 1/2"	SAFSA063X1/2"	4	10	80	216
63 mm X 3/4"	SAFSA063X3/4"	4	10	80	218
63 mm X 1"	SAFSA063X1"	4	10	80	220
63 mm X 1-1/4"	SAFSA063X1-1/4"	4	10	80	245
63 mm X 1-1/2"	SAFSA063-1X1/2"	4	10	80	234
75 mm X 1/2"	SAFSA075X1/2"	4	10	50	342
75 mm X 3/4"	SAFSA075X3/4"	4	10	50	346
75 mm X 1"	SAFSA075X1"	4	10	50	350
75 mm X 1-1/2"	SAFSA075X1-1/2"	4	10	50	352
90 mm X 1/2"	SAFSA090X1/2"	4	10	40	336
90 mm X 3/4"	SAFSA090X3/4"	4	10	40	332
90 mm X 1"	SAFSA090X1"	4	10	40	340
90 mm X 1-1/4"	SAFSA090X1-1/4"	4	10	40	350
90 mm X 1-1/2"	SAFSA090X1-1/2"	4	10	40	346
90 mm X 2"	SAFSA090X2"	4	10	40	350
110 mm X 3/4"	SAFSA110X3/4"	4	10	30	458
110 mm X 1"	SAFSA110X1"	4	10	30	464
110 mm X 1-1/4"	SAFSA110X1-1/4"	4	10	30	476
110 mm X 1-1/2"	SAFSA110X1-1/2"	4	10	30	470
110 mm X 2"	SAFSA110X2"	4	10	30	484

BARBED



IRRIGATION FITTING COUPLING

Code	D × D	Quantity per Carton (pcs)	Piece Weight (grams)
SAFIRFICOU013	13 x 13	2500	5
SAFIRFICOU025	25 x 25	600	11
SAFIRFICOU032	32 x 32	500	20



IRRIGATION FITTING R-COUPLING

Code	D × D	Quantity per Carton (pcs)	Piece Weight (grams)
SAFIRFIRCOU013x8	13 x 8	5000	2.5
SAFIRFIRCOU016x13	16 x 13	2500	5



IRRIGATION FITTING TEE

Code	D x D1 x D	Quantity per Carton (pcs)	Piece Weight (grams)
SAFIRFITEE013	25 x 25 x 25	500	15
SAFIRFITEE032	32 x 32 x 32	300	26



BARBED

TAKWEEN PLAST



IRRIGATION FITTING R-TEE

Code	D x G x D	Quantity per Carton (pcs)	Weight (Grams)
SAFIRFIRTEE025x13	25 x 13 x 25	500	15
SAFIRFIRTEE025x16	25 x 16 x 25	500	16
SAFIRFIRTEE025x1/2"	25 x 1/2" x 25	500	17
SAFIRFIRTEE025x 3/4"	25 x 3/4" x 25	500	17
SAFIRFIRTEE032x13	32 x 13 x 32	400	25
SAFIRFIRTEE032x16	32 x 16 x 32	400	25
SAFIRFIRTEE032x1"	32 x 1" x 32	300	29



VALVE BOX

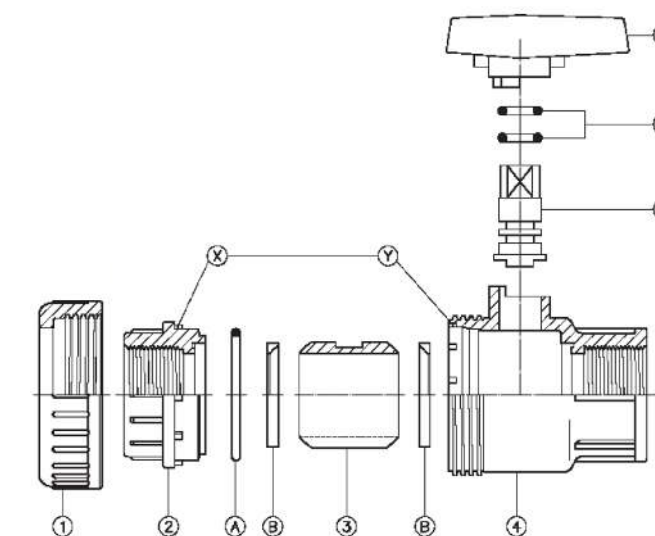
Code	D	Quantity per Carton (pcs)	Weight (Grams)
SAFVB0160	160	1	536
SAFVB0250	250	1	1200



PVC-U VALVES

TAKWEEN PLAST

PVC-U BALL VALVES IRRIGATION SYSTEM



Pos	Components	n°	Material
1	Union nut	1	PVC
2	Support	1	PVC
3	Ball	1	PVC
4	Body	1	PVC
5	Stem	1	PVC
6	Handle	1	PVC
Pos	Components	n°	Material
A	O-ring Support	1	EPDM
B	Ball seal	2	PTFE+PE
C	O-ring Stem	2	EPDM

DISASSEMBLING AND REASSEMBLING IN CASE OF MAINTENANCE

Single union nut cannot be radially disassembled from the installation.

SAF does not recommend to take out the support (2) from its seat when making up the connction. In any case if the valve is disassembled, be sure that the socket O-ring (A) does not come out of its groove and insert the teeth (X) of the support (2) in their correct seat (Y).

After taking out the support (2) it is possible to reach the internal parts of the valve in order to check the state of the O- ring and substitute them if necessary.

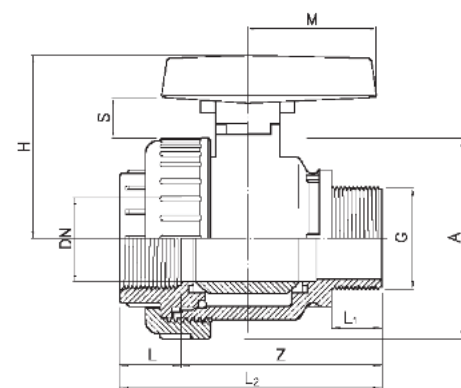
To reassemble the valve please act the other way taking care of replacing the O-ring correctly into their seats duly cleaned.



PVC-U VALVES

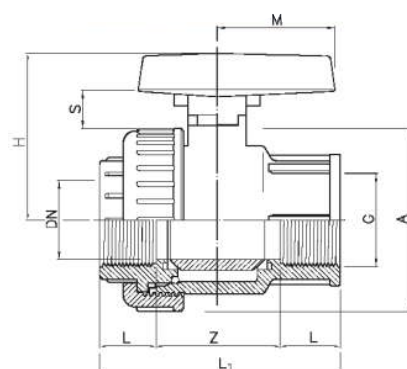
TAKWEEN PLAST

MALE / FEMALE U-PVC THREADED ENDS SINGLE UNION BALL VALVE



Code	G	L1	L	Z	L2	A	H	S	M	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFBVT1032X1"	1"	19	22	79	90	68	63	16	45	16	50	200
SAFBVT1050X1-1/2"	1-1/2"	21	23	109	122	94	88	21	57	16	20	470
SAFBVT1063X2"	2"	26	27	131	148	115	103	23	66	16	12	800

FEMALE / FEMALE U-PVC THREADED ENDS SINGLE UNION BALL VALVE



Code	G	L	Z	L1	A	H	S	M	Nominal Pressure (Bar)	Quantity per Carton (pcs)	Piece Weight (grams)
SAFBVT2090X3"	3"	34	122	190	168	139	26	84	10	6	2.28
SAFBVT2110X4"	4"	45	139	229	210	169	28	96	10	4	4.22

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