



DH (주)대현 XHTONG



GROOVED COUPLINGS AND FITTINGS

MANUFACTURE WITH WORLD FIRST
CLASS EQUIPMENTS AND TECHNOLOGY



Greeting Message

Manufacture with world first class equipment and technology

(주)대현은 수년간 끊임없는 연구개발과 엄격한 품질관리, 다양한 제품군 보유, 신속하고 안정적인 납기 준수를 실현하며 배관자재 시장에서 신뢰를 얻고 새로운 도약을 하고 있습니다. 뿐만 아니라 덴마크 DISA 자동 생산 라인, 독일 EIRICH 자동 주입 기계 등 첨단 장비와 강력한 기술력으로 UL, FM 등의 국제 규격 인증도 보유하고 있습니다.

저희 (주)대현은 국민의 안전을 최우선으로 생각하며 화재 및 지진으로부터 국민 생활의 안전을 지키고 소방산업 발전의 주역으로서 고객 여러분의 믿음직한 파트너가 되겠습니다.
감사합니다.

(주)대현 임직원 일동



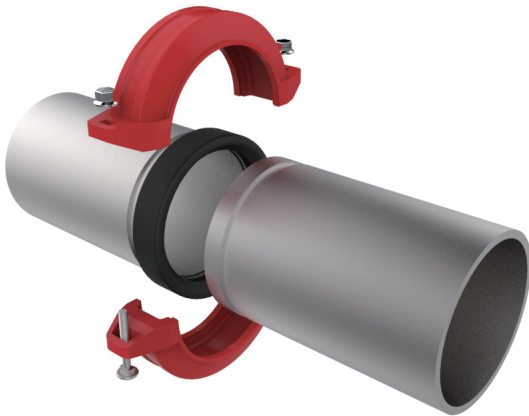
Grooved 시스템의 특징

용접방식을 대체하는 배관연결 SYSTEM

그루브 SYSTEM은 오늘날 사용가능 공법 중 가장 오랜 시간동안 안정성이 증명되고 전세계적으로 사용되어지는 공법 중의 하나입니다. 파이프 양 말단에 그루브를 내고 고무 가스켓을 장착한 뒤, 커플링을 2개의 볼트와 너트를 이용하여 안전하게 체결하는 방식입니다.

화재감소, 내진설계, 유지 보수 용이, 설치비 감소

소화배관 용접 ZERO, 시공 현장 화재 원천 차단, 소화 배관 부식률 0%



RIGID COUPLING

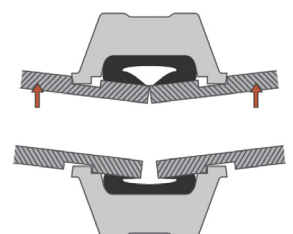
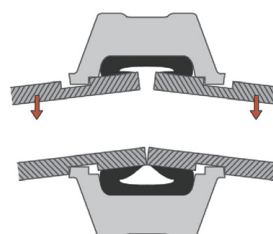
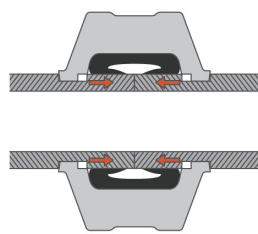
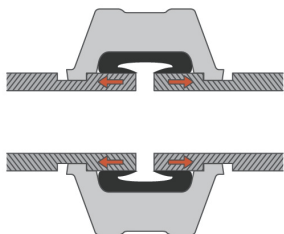
고정형 조인트는 **용접과 동등한 견고성**을 가집니다.

소방배관, 냉온수배관, 기계실배관 등 견고성이 요구되는 곳에 사용

FLEXIBLE COUPLING

유동형 조인트는 **용접과 동등한 견고성과 수축, 팽창, 진동, 소음 등에 유연성**을 가집니다.

내진설계, 펌프주위 배관 등 파이프의 뒤틀림, 수축, 팽창에 대한 유연성이 요구되는 곳에 사용



고정식 커플링

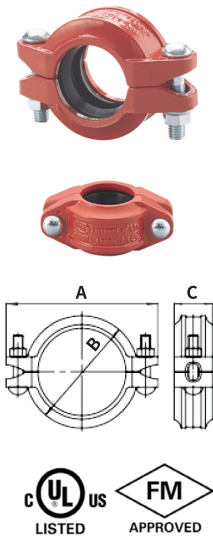
RIGID COUPLINGS -XGQT1

DUCTILE IRON ASTM A 536

(구상흑연주철)

가스켓: EPDM 또는 NBR

배관 고정성 유지



RIGID COUPLINGS 고정식 커플링 - XGQT1

SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION (mm)			BOLT&NUT
				A	B	C	
25A	1"	33.7	2.07/300	98	58	45	2-M10*50
32A	1.25"	42.4		106	68	45	2-M10*50
40A	1.5"	48.3		112	73	45	2-M10*50
50A	2"	60.3		128	86	45	2-M10*55
65A	2.5"	76.1		138	97	45	2-M10*55
80A	3"	88.9		158	113	45	2-M10*60
100A	4"	114.3		194	143	50	2-M12*70
125A	5"	139.7		222	167	50	2-M12*75
150A	6"	165.1		252	195	50	2-M12*75
200A	8"	216.3		322	250	60	2-M16*85
250A	10"	267.4		386	308	62	2-M20*100
300A	12"	318.5		440	360	62	2-M20*110

*카탈로그 이외의 제품은 주문생산이 가능합니다.

고압용 고정식 커플링

HIGH PRESSURE

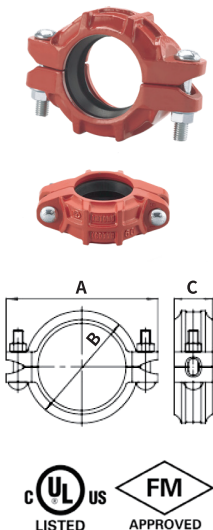
RIGID COUPLINGS -XGQT1H(G)

DUCTILE IRON ASTM A 536

(구상흑연주철)

가스켓: EPDM 또는 NBR

배관 고정성 유지



HIGH PRESSURE RIGID COUPLINGS 고압용 고정식 커플링 - XGQT1H(G)

SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION (mm)			BOLT&NUT
				A	B	C	
50A	2"	60.3	3.45/500	128	90	45	2-M10*55
65A	2.5"	76.1		141	104	45	2-M10*55
80A	3"	88.9		158	119	46	2-M10*60
100A	4"	114.3		192	148	50	2-M12*75
125A	5"	139.7		223	175	50	2-M12*75
150A	6"	165.1		264	203	50	2-M16*90
200A	8"	216.3		322	260	60	2-M16*90
250A	10"	267.4		384	309	63	2-M20*110
300A	12"	318.5		440	364	63	2-M20*130

*카탈로그 이외의 제품은 주문생산이 가능합니다.

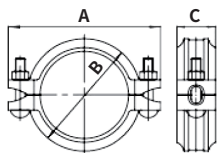


유동식 커플링

FLEXIBLE COUPLINGS

-XGQT2

DUCTILE IRON ASTM A 536
(구상흑연주철)
가asket: EPDM 또는 NBR
배관 고정성, 유동성 유지



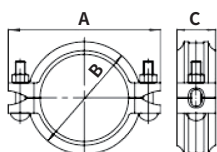
고압용 유동식 커플링

HIGH PRESSURE

FLEXIBLE COUPLINGS

XGQT2H(G)

DUCTILE IRON ASTM A 536
(구상흑연주철)
가asket: EPDM 또는 NBR
배관 고정성, 유동성 유지



FLEXIBLE COUPLINGS 유동식 커플링 - XGQT2							
SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION (mm)			BOLT&NUT
				A	B	C	
25A	1"	33.7	2.07/300	98	58	45	2-M10*50
32A	1.25"	42.4		106	68	45	2-M10*50
40A	1.5"	48.3		112	73	45	2-M10*50
50A	2"	60.3		128	86	45	2-M10*55
65A	2.5"	76.1		139	100	45	2-M10*55
80A	3"	88.9		158	114	45	2-M10*60
100A	4"	114.3		194	143	50	2-M12*70
125A	5"	139.7		223	167	50	2-M12*75
150A	6"	165.1		252	196	50	2-M12*75
200A	8"	216.3		323	252	60	2-M16*90
250A	10"	267.4		387	308	62	2-M20*100
300A	12"	318.5		440	360	62	2-M20*110

*카탈로그 이외의 제품은 주문생산이 가능합니다.

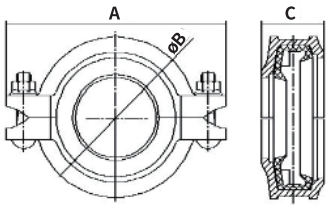
HIGH PRESSURE FLEXIBLE COUPLINGS 고압용 유동식 커플링 - XGQT2H(G)							
SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION (mm)			BOLT&NUT
				A	B	C	
50A	2	60.3	3.45/500	128	90	45	2-M10*55
65A	2.5"	76.1		141	104	45	2-M10*55
80A	3	88.9		160	115	45	2-M10*60
100A	4	114.3		192	146	50	2-M12*75
125A	5"	139.7		223	175	52	2-M12*75
150A	6"	165.1		264	203	52	2-M16*90
200A	8"	216.3		322	260	60	2-M16*90
250A	10"	267.4		388	312	62	2-M20*110
300A	12"	318.5		443	366	62	2-M20*110

*카탈로그 이외의 제품은 주문생산이 가능합니다.

레듀싱 커플링

REDUCING COUPLINGS
-XGQT6

DUCTILE IRON ASTM A 536
(구상흑연주철)
가스켓: EPDM 또는 NBR
배관 고정성 유지



레듀싱 커플링은 레듀셔를 사용하지 않고 특별히 고안된
가스켓을 이용하여 관경이 다른 파이프를 직접 연결합니다.



캡과 함께 사용하지 마십시오
드레인 시 부압발생

REDUCING COUPLINGS 레듀싱 커플링 - XGQT6							
SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION (mm)			BOLT&NUT
				A	B	C	
32*25	1.25"*1"	42.4*33.7	2.07/300	105	69	45	2-M10*50
40*25	1.5"*1"	48.3*33.7		113	74	45	2-M10*50
40*32	1.5"*1.25"	48.3*42.4		113	73	45	2-M10*50
50*25	2"*1"	60.3*33.7		128	86	45	2-M10*50
50*32	2"*1.25"	60.3*42.4		128	86	45	2-M10*50
50*40	2"*1.5"	60.3*48.3		128	86	45	2-M10*50
65*25	2.5"*1"	76.1*33.7		146	104	45	2-M10*50
65*32	2.5"*1.25"	76.1*42.4		146	104	45	2-M10*55
65*40	2.5"*1.5"	76.1*48.3		146	104	45	2-M10*50
65*50	2.5"*2"	76.1*60.3		146	104	45	2-M10*50
80*65	3"*2.5"	88.9*76.1		160	116	47	2-M10*55
100*50	4"*2"	114.3*60.3		195	146	48	2-M12*65
100*65	4"*2.5"	114.3*76.1		195	146	48	2-M12*65
100*80	4"*3"	114.3*88.9		195	146	48	2-M12*65
125*65	5"*2.5"	139.7*76.1		223	170	48	2-M12*75
125*80	5"*3"	139.7*88.9		220	176	48	2-M12*75
125*100	5"*4"	139.7*114.3		223	176	48	2-M12*75
150*65	6"*2.5"	165.1*76.1		260	196	50	2-M16*90
150*80	6"*3"	165.1*88.9		260	196	50	2-M16*90
150*100	6"*4"	165.1*114.3		260	196	50	2-M16*90
150*125	6"*5"	165.1*139.7		260	196	50	2-M16*90

*카달로그 이외의 제품은 주문생산이 가능합니다.

덕타일 그루브 피팅 Ductile Iron fittings

DUCTILE IRON ASTM A 536 (구상흑연주철)

덕타일 그루브 피팅은 ASTM A 536 65-45-12 에 준하는 재질로 현대식 자동화 장비에 의해 생산되고 있으며, 모든 피팅류는 적색, 청색 등의 페인트 제품과 용융아연도금 또는 에폭시코팅 등의 제품이 생산됩니다.

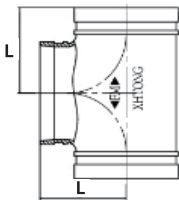
*카달로그 이외의 제품은 주문생산이 가능합니다.



동경 티이

EQUAL TEE - XGQT03

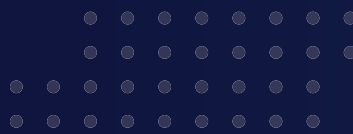
DUCTILE IRON ASTM A 536
(구상흑연주철)



EQUAL TEE 동경 티이 - XGQT03

SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	EQUAL TEE
				L
25	1"	33.7	2.07/300	57
32	1.25"	42.4		70
40	1.5"	48.3		60
50	2"	60.3		70
65	2.5"	76.1		75
80	3"	88.9		86
100	4"	114.3		102
125	5"	139.7		122
150	6"	165.1		140
200	8"	216.3		175
250	10"	267.4		214
300	12"	318.5		254

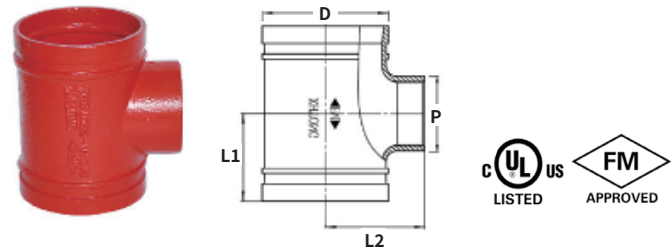
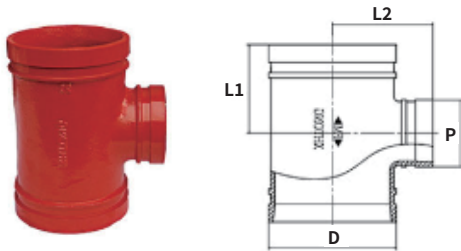
*카달로그 이외의 제품은 주문생산이 가능합니다.



레듀싱 티이

GROOVED / THREADED REDUCING TEE - XGQT05 / XGQT05S

DUCTILE IRON ASTM A 536
(구상흑연주철)



GROOVED / THREADED REDUCING TEE 레듀싱 티이 - XGQT05 / XGQT05S

SIZE(A)	Size(inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	DIMENSION(mm)			
				Grooved Reducing Tee		Threaded Reducing Tee	
				L1	L2	L1	L2
50*32	2"*1.25"	60.3*42.4	2.07/300			70	70
50*40	2"*1.5"	60.3*48.3				70	70
65*32	2.5"*1.25"	76.1*42.4				76	76
65*40	2.5"*1.5"	76.1*48.3				76	76
65*50	2.5"*2"	76.1*60.3		75	75	76	76
80*32	3"*1.25"	88.9*42.4				75	86
80*40	3"*1.5"	88.9*48.3				75	86
80*50	3"*2"	88.9*60.3		75	85	85	86
80*65	3"*2.5"	88.9*76.1		75	85		
100*32	4"*1.25"	114.3*42.4				70	102
100*40	4"*1.5"	114.3*48.3				75	102
100*50	4"*2"	114.3*60.3		101	101	100	102
100*65	4"*2.5"	114.3*76.1		80	95		
100*80	4"*3"	114.3*88.9		85	95		
125*40	5"*1.5"	139.7*48.3				75	122
125*50	5"*2"	139.7*60.3		85	122	85	122
125*65	5"*2.5"	139.7*76.1		85	122		
125*80	5"*3"	139.7*88.9		100	122		
125*100	5"*4"	139.7*114.3		95	105		
150*40	6"*1.5"	165.1*48.3				75	130
150*50	6"*2"	165.1*60.3		85	140	85	140
150*65	6"*2.5"	165.1*76.1		78	120		
150*80	6"*3"	165.1*88.9		102	122		
150*100	6"*4"	165.1*114.3		102	120		
150*125	6"*5"	165.1*139.7		108	120		
200*65	8"*2.5"	216.3*76.1		90	160		
200*80	8"*3"	216.3*88.9		100	165		
200*100	8"*4"	216.3*114.3		120	165		
200*125	8"*5"	216.3*139.7		130	175		
200*150	8"*6"	216.3*165.1		145	175		

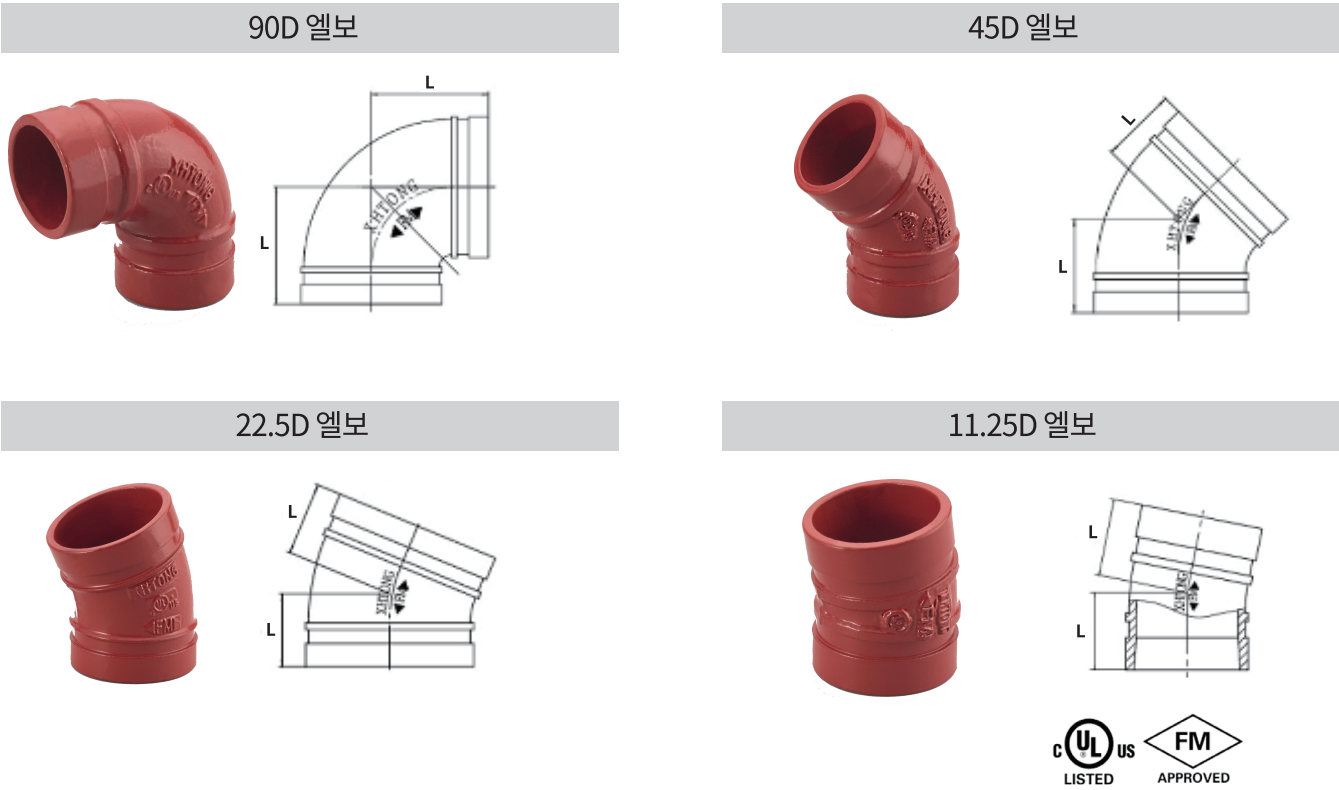
*카달로그 이외의 제품은 주문생산이 가능합니다.

그루브 엘보

GROOVED ELBOW - XGQT01 / XGQT02 / XGQT021 / XGQT022

DUCTILE IRON ASTM A 536

(구상흑연주철)



GROOVED ELBOW 그루브 엘보 - XGQT01 / XGQT02 / XGQT021 / XGQT022							
SIZE	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	90D	45D	22.5D	11.25D
				L	L	L	L
25	1"	33.7	2.07/300	57	45	40	40
32	1.25"	42.4		60	45	45	40
40	1.5"	48.3		60	45	45	35
50	2"	60.3		70	50	45	35
65	2.5"	76.1		76	55	48	38
80	3"	88.9		86	55	50	38
100	4"	114.3		102	60	50	45
125	5"	139.7		122	70	55	45
150	6"	165.1		140	70	60	50
200	8"	216.3		175	90	80	55
250	10"	267.4		215	120	111	54
300	12"	318.5		245	133	124	57

*카달로그 이외의 제품은 주문생산이 가능합니다.



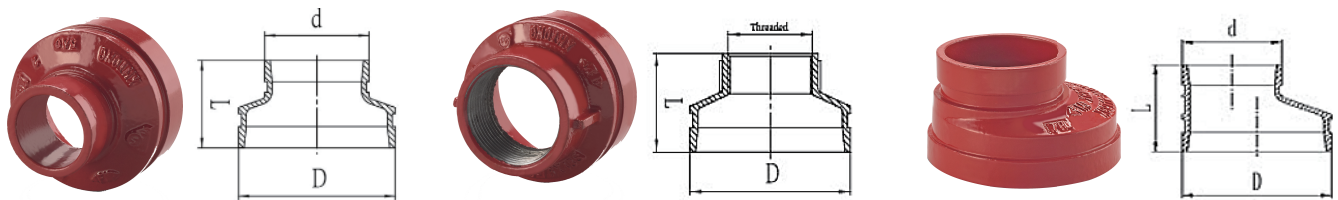
정심레듀샤 / 편심레듀샤

GROOVED / THREADED CONCENTRIC REDUCER – XGQT07 / XGQT07S

ECCENTRIC REDUCER-XGQT11

DUCTILE IRON ASTM A 536

(구상흑연주철)



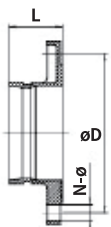
GROOVED/THREADED CONCENTRIC REDUCER 정심레듀샤 - XGQT07/XGQT07S						
SIZE(A)	Size(inch)	OD(mm)	WORKING PRESSURE (Mpa/psi)	GROOVED REDUCER	THREADED REDUCER	ECCENTRIC REDUCER
				L	L	L
50*32	2"*1.25"	60.3*42.4	2.07/300		55	
50*40	2"*1.5"	60.3*48.3			55	
65*32	2.5"*1.25"	76.1*42.4			55	
65*40	2.5"*1.5"	76.1*48.3		60	55	64
65*50	2.5"*2"	76.1*60.3		60	55	64
80*32	3"*1.25"	88.9*42.4			55	
80*40	3"*1.5"	88.9*48.3		60	55	64
80*50	3"*2"	88.9*60.3		60	55	64
80*65	3"*2.5"	88.9*76.1		60		68
100*32	4"*1.25	114.3*42.4			65	
100*40	4"*1.5"	114.3*48.3			65	
100*50	4"*2"	114.3*60.3		65	65	80
100*65	4"*2.5"	114.3*76.1		65		65
100*80	4"*3"	114.3*88.9		65		65
125*32	5"*1.25	139.7*42.4			65	
125*40	5"*1.5"	139.7*48.3			65	
125*50	5"*2"	139.7*60.3		65	65	70
125*65	5"*2.5"	139.7*76.1		65		70
125*80	5"*3"	139.7*88.9		65		70
125*100	5"*4"	139.7*114.3		65		70
150*32	6"*1.25	165.1*42.4			75	
150*40	6"*1.5"	165.1*48.3			75	
150*50	6"*2"	165.1*60.3		75	75	75
150*65	6"*2.5"	165.1*76.1		75		75
150*80	6"*3"	165.1*88.9		75		75
150*100	6"*4"	165.1*114.3		75		75
150*125	6"*5"	165.1*139.7		65		75
200*100	8"*4"	216.3*114.3		85		85
200*125	8"*5"	216.3*139.7		85		85
200*150	8"*6"	216.3*165.1		80		85

*카탈로그 이외의 제품은 주문생산이 가능합니다.

그루브 어답터 플렌지

GROOVED ADAPTOR FLANGE - XGQT08

DUCTILE IRON ASTM A 536
(구상흑연주철)



For the connecting size D and N-Φ, we can provide the flange conforming with GB/T 17241.6-2008, PN10, PN16, PN25, ANSI class 150, class300.



GROOVED ADAPTOR FLANGE 그루브 어답터 플렌지 - XGQT08

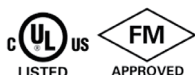
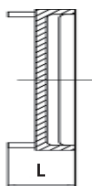
SIZE(A)	Size (inch)	PIPE OD (mm)	L	10K		20K	
				D	n-Φ	D	n-Φ
50	2"	60.3	65	120	4-Φ19	120	4-Φ19
65	2.5"	76.1	65	140	4-Φ19	140	8Φ19
80	3"	88.9	65	153	8Φ19	160	8Φ23
100	4"	114.3	70	175	8Φ19	185	8Φ23
125	5"	139.7	70	210	8Φ19	223	8Φ28
150	6"	165.1	70	240	8Φ23	260	12Φ28
200	8"	216.3	80	295	12Φ23	305	12Φ28
250	10"	267.4	85	355	12Φ28		
300	12"	318.5					

*카달로그 이외의 제품은 주문생산이 가능합니다.

엔드캡

END CAP - XGQT09

DUCTILE IRON ASTM A 536
(구상흑연주철)



END CAP 엔드캡 -XGQT09

SIZE(A)	Size (inch)	PIPE OD (mm)	WORKING PRESSURE (Mpa/psi)	GROOVED CAP
				L
25	1"	33.7	2.07/300	23
32	1.25"	42.4		23
40	1.5"	48.3		23
50	2"	60.3		26
65	2.5"	76.1		26
80	3"	88.9		27
100	4"	114.3		28
125	5"	139.7		29
150	6"	165.1		29
200	8"	216.3		35
250	10"	267.4		34
300	12"	318.5		34

*카달로그 이외의 제품은 주문생산이 가능합니다.



GASKET DATA



Gasket	Name	Temperature Range	General Service Recommendations	Color Mark
E	EPDM	-34~ + 107℃ (-30~ +225°F)	EPDM은 물에 대한 저항력이 가장 뛰어난 고무재질로서, -34도 ~ 107도 범위 내의 냉 온수와 스팀, 산화합물 등에 사용이 적합하다. 석유기반 오일용으로는 적합하지 않다.	Green Strip
D	NBR	-29~+82℃ (-00~+180°F)	NBR은 유압용 유체, 윤활오일 및 유기반제품용으로 적합하며, 65도씨 이상의 환경에는 적합하지 않다.	Orange Strip
S	Silicon Rubber	-40~+177℃ (-40~+350°F)	SILICONE은 고온, 저온에서 안정성을 가지고 있으며 높은 온도의 화학 및 의약품 관련분야에 사용한다. 뜨거운 물이나 스팀에는 적합하지 않다.	White

고무링 결합용 윤활제 (Lubricant)

홈조인트 시공의 편의를 위해 당사에서는 고무링용 윤활제를 공급하고 있습니다. 고무링과 파이프와의 밀착성과 조인트 커버의 결합에 최적의 효과를 발휘하기 위해 반드시 사용하여야 합니다. 윤활제는 인체에 무해한 성분이므로 일반 위생배관에도 사용이 가능합니다.



■ 윤활제 사용량

고무링크기(A)	고무링수량1Can당	고무링크기(A)	고무링수량1Can당
50	260	300	40
80	175	350	35
100	130	400	30
150	80	450	25
200	66	500	20
250	50	300	15

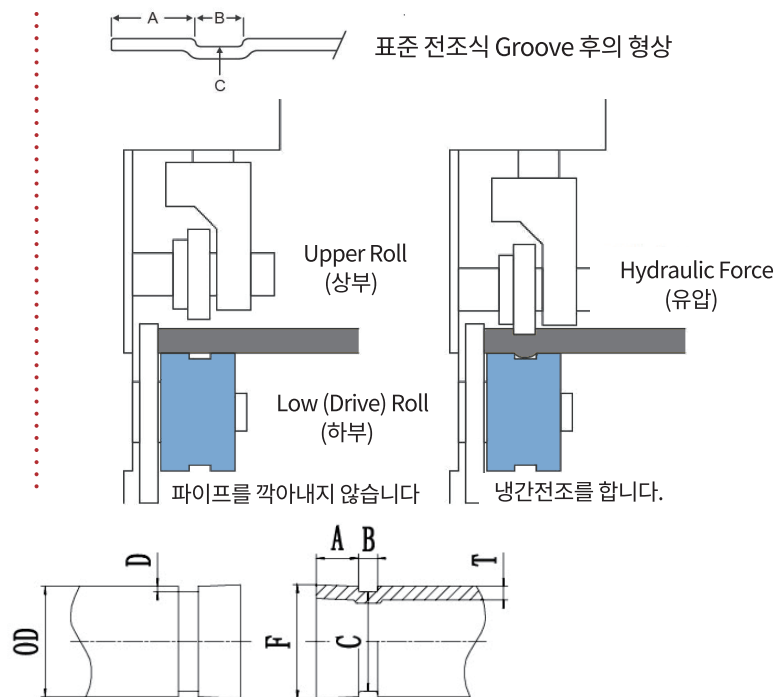
전조식 그루브 방식

ROLL GROOVE

전조식은 파이프를 깎아 내지 않는 방식으로 25A ~ 600A까지 다양한 사이즈군의 전조가능한 그루빙기계가 있습니다.

적용관종 - 강관SPP, S/40

STS 10S, 20S, 40S



Nominal pipe Diameter	Pipe outer Diameter			The size from pipe end to groove edge A ±0.76	Groove width B ±0.76	Groove diameter C		Groove diameter D (참조용)	Minium thickness of the pipe sall T	Outer diameter of the maximum extension surface
	Actual size	Tolerance				Actual size	Tolerance			
25	33.7	+0.41	-0.68	15.88	7.14	30.23	-0.38	1.60	1.8	34.5
32	42.4	+0.50	-0.60	15.88	7.14	38.99	-0.38	1.60	1.8	43.3
40	48.3	+0.44	-0.52	15.88	7.14	45.09	-0.38	1.60	1.8	49.4
50	60.3	+0.61	-0.61	15.88	8.74	57.15	-0.38	1.60	1.8	62.2
65	76.1	+0.76	-0.76	15.88	8.74	72.26	-0.46	1.98	2.3	77.7
80	88.9	+0.89	-0.79	15.88	8.74	84.94	-0.46	1.98	2.3	90.6
100	114.3	+1.14	-0.79	15.88	8.74	110.08	-0.51	2.11	2.3	116.2
125	139.7	+1.40	-0.79	15.88	8.74	135.48	-0.51	2.11	2.9	141.7
150	165.1	+1.60	-0.79	15.88	8.74	160.90	-0.56	2.16	2.9	167.1
200	216.3	+1.60	-0.79	19.05	11.91	211.60	-0.64	2.34	2.9	220.7
250	267.4	+1.60	-0.79	19.05	11.91	262.60	-0.69	2.39	3.6	271.8
300	318.5	+1.60	-0.79	19.05	11.91	312.90	-0.76	2.77	4.0	322.8

*카탈로그 이외의 제품은 주문생산이 가능합니다.

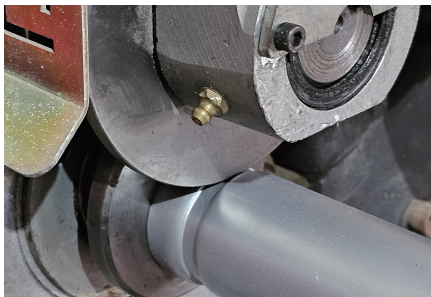


**SURVIVE BY QUALITY,
DEVELOP BY CREDIBILITY.**



그루브 커플링 시공방법

Installation Instruction For Rigid & Flexible Coupling



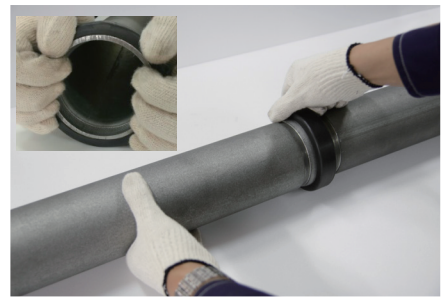
1. 파이프 그루빙

그루브 머신으로 파이프 그루빙을 합니다. 파이프의 말단에서 그루브 홈 까지 불순물 제거 및 가스켓 설치에 영향을 줄 수 있는 요소가 있는지 확인합니다.



2. 가스켓 윤활

가스켓의 내외면의 손상여부를 확인 후 가스켓 안쪽과 바깥쪽에 윤활제를 사용하여 골고루 도포 작업을 합니다.



3. 가스켓 체결

한쪽 파이프 끝에 가스켓을 고정시킨 후 두개의 파이프를 가지런히 정렬합니다. 가스켓을 그루브 방향으로 밀어 넣어 체결합니다. 이때 가스켓이 양파이프 중앙에 위치하도록 합니다.



4. 하우징 조립

한쪽 볼트와 너트를 풀고, 반대 쪽의 볼트, 너트를 느슨하게 합니다. 체결용 볼트와 너트를 사용하여 느슨하게 가조립 후 양쪽 파이프의 그루브홈 사이로 하우징을 조립합니다.



5. 너트고정

손으로 너트를 고정한 후 토크렌치를 이용하여 고정합니다. 이때 양쪽에 위치한 볼트와 너트를 균등히 조여가며 하우징이 서로 맞닿을 때까지 조립합니다.



6. 조립검사

커플링이 파이프 연결부위의 그루브에 완전히 고정되었는지 확인 합니다. 가스켓이 보이지 않는 지를 확인합니다.

**SURVIVE BY QUALITY,
DEVELOP BY CREDIBILITY.**



메카니칼 티이 시공방법

Installation Instruction For Threaded & Grooved Mechanical Tee



1. Hole 천공

마킹 된 천공부에 Hole saw 중심이
파이프의 중심과 일치되도록 천공합니다.



2. 사상

가스켓 경계선에 상처를 주어 누수를
일으킬 수 있는 날카로운 부분이나
바를 제거. Hole 주변을 매끄럽게
사상 작업을 합니다.



3. 가스켓 체결

가스켓을 메카니칼 티이에 체결 후
조인트와 Hole의 위치가 정확히
일치하는지 확인합니다.



4. 하우징 조립

한쪽 볼트와 너트를 풀고, 반대 쪽의
볼트, 너트를 느슨하게 합니다. 체결용
볼트와 너트를 사용하여 느슨하게 가
조립 후 메카니칼 티이와 Hole이
정확하게 일치하도록 하우징을
조립합니다.



5. 너트고정

손으로 너트를 고정한 후 토크렌치를
이용하여 고정합니다.
이때 양쪽에 위치한 볼트와 너트를
균등히 조여가며 하우징이 서로 맞닿을
때까지 조립합니다.

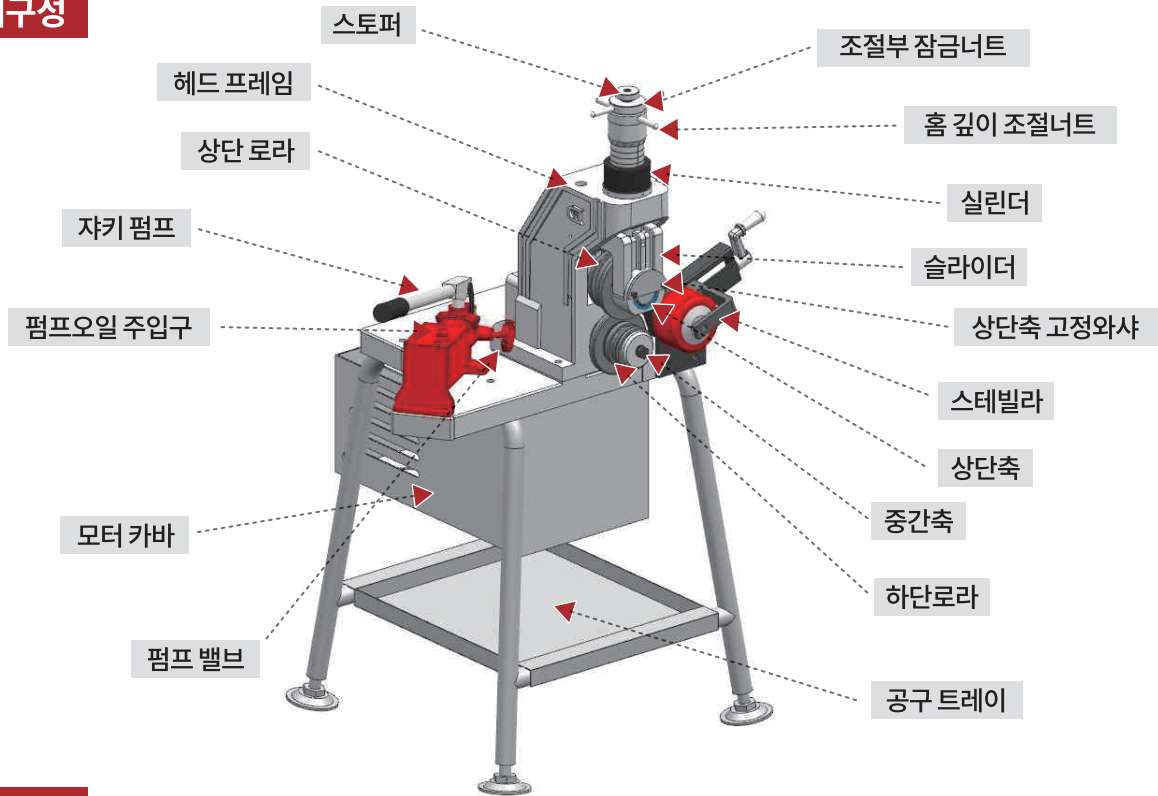


6. 조립검사

파이프 연결 부위에서 메인파트와
커플링 사이의 적절한 간격이
있는지 확인합니다.

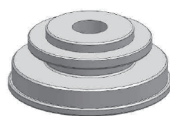
(주)대영피팅 DSC-004 PORTABLE PIPE GROOVE MACHINE

1. 기계구성

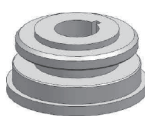


2. 로라구성

A. 상단 로라



25A-40A



50A-150A



200A-300A

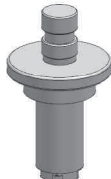


상단축

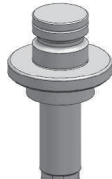
B. 하단 로라



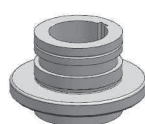
25A



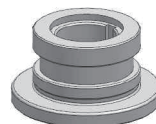
32A-40A



50A-80A



100A-150A



200A-300A



중간축

※ 중간 축은 '100A-150A 하단 로라'와 '200A-300A 하단 로라' 사용시에만 체결함.

주식회사 대현 자재사용 승인원

당사는 금번 귀사에서 시공하는 공사에 그루브 커플링 및 피팅류 자재를 납품하고자
자재승인원을 제출하오니 당사 자재를 승인하여 주시기를 바랍니다.

20 . . .

주식회사 대현
대표이사: 김 기 연

본사 : 경남 진주시 내동면
내축로577번길 29-5

TEL : 055)752-8119

FAX : 0303)3130-8019

귀 하

※ 본 자재 사용승인원에 첨부된 증명서는 원본과 동일함을 증명합니다 .

原本對照畢





사업자등록증

(법인사업자)

등록번호 : 304-86-01356

법인명(단체명) : 주식회사 대현

대표자 : 김기연

개업연월일 : 2019년 05월 01일 법인등록번호 : 191111-0085891

사업장소재지 : 경상남도 진주시 내동면 내축로577번길 29-5

본점소재지 : 경상남도 진주시 내동면 내축로577번길 29-5

사업의종류 :	☒ 업태	제조업	☐ 종목	기타구조금속물
		도매 및 소매업		상품중개업
		도매		수출입업(소방기구)
		전문, 과학 및 기술서비스업		일반 경영 컨설팅업
		서비스업		소방시설 설계

발급사유 : 정정

TEL. 055-752-8119

FAX. 0303-3130-8019

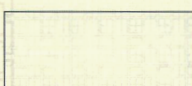
E-mail. daehyun3268@dhgroove.com

사업자 단위 과세 적용사업자 여부 : 여() 부(✓)

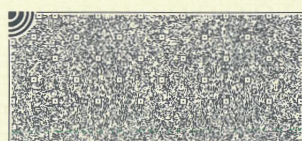
전자세금계산서 전용 전자우편주소 : daehyun3268@dhgroove.com

2023년 03월 10일

진주세무서장



국세청
National Tax Service



原本對照畢



(주)대현 19

Approval Guide

FM Approvals®

Pipe Fittings
These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

Pipe Fittings

Weifang XinHuiTong, Pipe Fittings

Product Designation	Fitting Description	Nominal Pipe Size, Inch	Rated Working Pressure, psi (kPa)	Remarks
XGQT01	90° Elbow Grooved	2, 3, 4, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	e
XGQT02	45° Elbow Grooved	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	e
XGQT03	Tee Grooved	2, 3, 4, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	e
XGQT05	Reducing Tee Grooved	1-1/2 x 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 139.7 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 165.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5 8 x 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6 10 x 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6, 8 12 x 4, 5, 6, 8, 10 12 inch x 139.7, 165.1 mm	300 (2070)	e





Approval Guide



XGQT05S	Reducing Tee Grooved x Threaded	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2 inch, 76.1 mm 4 x 1, 1-1/4, 1-1/2, 2-1/2 139.7 mm x 1, 1-1/4, 1-1/2, 2-1/2, 4 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 165.1 mm x 1, 1-1/4, 1-1/2, 2-1/2, 4 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 8 x 2-1/2, 4 10 x 2, 76.1 mm, 3, 4 12 x 2, 76.1 mm, 3, 4	300 (2070)	a, b, d, e
XGQT07	Concentric Reducer Grooved	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 108 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 133 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 139.7 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4 5 x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 2-1/2, 3, 108 mm, 4 159 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 139.7 mm, 5 165.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4, 139.7 mm, 5 6 x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 2-1/2, 3, 108 mm, 4, 139.7 mm, 5 8 x 2, 2-1/2, 76.1, 3, 108, 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6 10 x 108 mm, 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6, 8 12 x 108 mm, 4, 139.7 mm, 5, 159 mm, 165.1 mm, 6, 8, 10	300 (2070)	e



Approval Guide



XGQT07S	Grooved x Threaded	1-1/4 x 1 1-1/2 x 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 108 mm x 1, 1-1/4, 1-1/2, 2, , 76.1 mm, 3 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 133 mm x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 3, 4 139.7 mm x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 5 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 159 mm x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 3, 4 165.1 mm x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 6 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 10 x 4, 139.7 mm, 6, 8 12 x 8, 10	(2070)	a, b, d, e
XGQT08	Flange Adapter Grooved x Flanged	2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	c, e
XGQT09	End Cap Grooved	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	e
XGQT11	Eccentric Reducer Grooved	1-1/2 x 1, 1-1/4 2 x 1, 1-1/4, 1-1/2 2-1/2 x 1, 1-1/4, 1-1/2, 2 76.1 mm x 1, 1-1/4, 1-1/2, 2 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3 139.7 mm x 1, 1-1/4, 1-1/2, 2, 76.1 mm, 3, 4 5 x 1, 1--1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4 165.1 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7, mm, 5 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5 8 x 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6 10 x 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6, 8 12 x 2, 2-1/2, 76.1 mm, 3, 4, 139.7 mm, 5, 165.1 mm, 6, 8, 10	300 (2070)	e



Approval Guide



XGQT021	22-1/2° Elbow Grooved	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139.7, 159, 165.1 mm	300 (2070)	e
XGQT5E	Bullhead Tee	2 x 2 x 2-1/2, 3, 4 2-1/2 x 2-1/2 x 3, 4 76.1 mm x 76.1 mm x 3, 4 3 x 3 x 4 4 x 4 x 6 5 x 5 x 8 6 x 6 x 8	300 (2070)	e

Remarks

- a. Threads per ANSI B1.20.1 - 1983
- b. Threads per ISO 7-1
- c. Supplied with Class 125 Flanges
- d. Threaded per DIN 2999
- e. Available with Cut Grooves

Company Name:	WEIFANG XINHUITONG METAL WORK CO., LTD.
Company Address:	The Cross Section of YuQing St and TengFei Rd, Weifang City, Shangdong, China
Company Website:	http://en.xhtong.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Primary Class of Work:	1920-Coupling & Fitting, All Type



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FITTINGS, RUBBER GASKETED | UL Product iQ

UL Product iQ™

VIZM.EX16263 - FITTINGS, RUBBER GASKETED

Fittings, Rubber Gasketed

See General Information for Fittings, Rubber Gasketed

WEIFANG XINHUITONG METAL WORK CO LTD
The Cross Section Of Yuqing Street
And Tengfei Rd
Weifang, Shandong261021 CHINA
Angle pad coupling

EX16263

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
XGQT5	Rolled	10	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	300
XGQT5	Rolled, Cut	40	11, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	300
XGQT5	Rolled, Cut	T3091	76.1 mm, 108 mm, 133 mm, 139.7 mm, 159 mm, 165.1 mm	300
XGQT5	Rolled, Cut	JIS 3452	216.3mm, 267.4mm, 318.5mm	300

Coupling

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
XGQT1	Rolled	10	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	300
XGQT1	Rolled, Cut	40	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	300
XGQT1	Rolled, Cut	T3091	76.1 mm, 108.1 mm, 133 mm, 139.7 mm, 159 mm, 165.1 mm	300
XGQT1H	Rolled	10	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	500
XGQT1H	Rolled, Cut	40	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	500
XGQT1H	Rolled, Cut	T3091	76.1 mm, 108.1 mm, 133 mm, 139.7 mm, 159 mm, 165.1 mm	500

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FITTINGS, RUBBER GASKETED | UL Product iQ

Flexible coupling

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
XGQT2H	Rolled	10	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	500
XGQT2H	Rolled, Cut	40	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	500
XGQT2H	Rolled, Cut	T3091	76.1 mm, 108 mm, 133 mm, 139.7 mm, 159 mm, 165.1 mm	500
XGQT2	Rolled	10	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10	300
XGQT2	Rolled, Cut	40	1, 1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6, 8, 10, 12	300
XGQT2	Rolled, Cut	T3091	76.1 mm, 108 mm, 133 mm, 139.7 mm, 159 mm, 165.1 mm	300

Grooved split flange

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
XGQT6	Rolled, Cut	10, 40	1-1/4x1; 1-1/2 x 1, 1-1/4; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm; 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3; 5 x 2, 3, 4; 6 x 2, 3, 4, 139.7 mm, 5; 8 x 2, 3, 4, 139.7 mm, 5, 165.1 mm, 6	300
XGQT6	Rolled, Cut	T3091	76.1 mm x 1, 1-1/4, 1-1/2, 2; 139.7 mm x 2, 3, 4; 165.1 mm x 4, 139.7 mm	300

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DAEHYUN INC . XHTONG

GROOVED COUPLINGS AND FITTINGS

7/9/2019

FITTINGS, RUBBER GASKETED | UL Product iQ

Side outlet

Model	Outlet Type	Pipe	Size (in.)	Rated Pressure (psig)
XGQT3	Grooved	10, 40	1-1/4 x 1; 1-1/2 x 1; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm; 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3; 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 108 mm, 4 10 x 2, 2-1/2, 76.1mm, 3, 108 mm, 4	300
XGQT3	Grooved	T3091	76.1 mm x 1, 1-1/4, 1-1/2, 2; 108 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3; 139.7 mm x 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 159 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3, 4; 165.1 mm x 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4	300
XGQT3	Grooved	JIS 3452	216.3 mm x 1, 1-1/4, 1-1/2, 2, 3OD, 3, 4; 267.4 mm x 1, 1-1/4, 1-1/2, 2, 3OD, 3, 4	300
XGQT3S	Threaded	10, 40	1-1/4 x 1/2, 3/4, 1; 1-1/2 x 1/2, 3/4, 1; 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2; 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2; 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3; 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 6 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 10 x 2, 2-1/2, 76.1mm, 3	300
XGQT3S	Threaded	T3091	76.1 mm x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 108 mm x 1, 1-1/4, 1-1/2, 2, 76.1mm; 133 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3; 139.7 mm x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4; 159mm x 1, 1-1/4, 1-1/2, 2, 76.1mm, 3; 165.1 mm x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1 mm, 3, 4	300
XGQT3S	Threaded	JIS 3452	216.3 mm x 1, 1-1/4, 1-1/2, 2, 3OD, 3, 4; 267.4 mm x 1, 1-1/4, 1-1/2, 2, 3OD, 3, 4	300

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FITTINGS, RUBBER GASKETED | UL Product iQ

Model XGQT3S, 3U and XGQT3T in the 1/2 in, 3/4 in. and 1 in. nominal outlet sizes are intended for direct connection to sprinklers.

Models XGQT3S, 3U, XGQT3T & XGQT3 in the 1 in. and larger nominal outlet sizes are intended for connection to system piping.

10 refers to schedule 10 steel pipes in accordance with NFPA 13

40 refers to schedule 40 steel pipes in accordance with NFPA 13

T3091 refers to steel pipe manufactured in accordance with GB/T3091

GB/T 17395 refers to steel pipe manufactured in accordance with GB/T 17395

GB/T 21835 refers to steel pipe manufactured in accordance with GB/T 21835

JIS 3452 refers to steel pipe manufactured in accordance with JIS 3452

Last Updated on 2019-06-07

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FITTINGS, GROOVED AND PLAIN END | UL Product iQ

UL Product iQ™



VIZA.EX16264 - FITTINGS, GROOVED AND PLAIN END

Fittings, Grooved and Plain End

See General Information for Fittings, Grooved and Plain End

WEIFANG XINHUITONG METAL WORK CO LTD
 EX16264

The Cross Section Of Yuqing Street
 And Tengfei Rd
 Weifang, Shandong261021 CHINA

The following fittings are intended for use with WEIFANG XINHUITONG METAL WORK CO LTD (EX16263) Listed rubber gasketed fittings.

Grooved end

Model	Type	Size In.	Rated Pressure (psig)
XGQT01	90 degree elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT02	45 degree elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT02L	45 Degree Elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3OD, 3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 5, 6-1/4OD, 6-1/2OD, 6, 216.3mm, 8, 267.4mm, 10, 318.5mm, 12	300
XGQT021	22.5 degree elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT022	11.25 degree elbow	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT03	Tee	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300

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XGQT05	Reducing tee	1-1/2 x 1-1/4; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 OD (76.1 mm) x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm); 4 x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 2-1/2, 3; 5-1/2 OD (139.7 mm) x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 2-1/2, 3, 4; 5 x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 2-1/2, 3, 4; 6-1/2 OD (165.1 mm) 1, x 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5; 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5; 8 x 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6; 10 x 2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8; 12 x 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8, 10	300
XGQT05S	Threaded reducing tee	1-1/2 x 1, 1-1/4; 1-1/4 x 1; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 OD (76.1 mm) x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm); 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3; 5-1/2 OD (139.7 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 5 x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 3, 4; 6-1/2 OD (165.1 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 8 x 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 10 x 2, 3 OD (76.1 mm), 3, 4; 12 x 2, 3 OD (76.1 mm), 3, 4	300

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FITTINGS, GROOVED AND PLAIN END | UL Product iQ

XGQT07	Concentric grooved reducer	1-1/4 x 1; 1-1/2 x 1, 1-1/4; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 OD (76.1 mm) x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm); 4-1/4 OD (108 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2 3 OD (76.1 mm), 3; 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2 3 OD (76.1 mm), 3; 5-1/4 OD (133 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2 3 OD (76.1 mm), 3, 4; 5-1/2 OD (139.7 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4; 5 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4; 6-1/4 OD (159 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4, 5-1/2 OD (139.7 mm), 5; 6-1/2 OD (165.1 mm) x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4, 5-1/2 OD (139.7 mm), 5; 6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4, 5-1/2 OD (139.7 mm), 5; 8 x 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108 mm), 4, 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6; 10 x 4-1/4 OD (108 mm), 4, 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8; 12 x 4, 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10	300
XGQT07S	Threaded concentric reducer	1-1/4 x 1; 1-1/2 x 1, 1-1/4; 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2; 2-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 3 OD (76.1 mm) x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2; 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm); 4-1/4 OD (108 mm) x 1, 1-1/4, 1-1/2, 2, 2, 3 OD (76.1 mm), 3; 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3; 5-1/4 OD (133 mm) x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 3, 4; 5-1/2 OD (139.7 mm) x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 5 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 6-1/4 OD (159 mm) x 6-1/4 OD x 1, 1-1/4, 1-1/2, 2, 3 OD (76.1 mm), 3, 4; 6-1/2 OD (165.1 mm) x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 6 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4	300

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FITTINGS, GROOVED AND PLAIN END | UL Product iQ

XGQT08	Flange adapter	2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT09	End cap	1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3, 4-1/4 OD (108.1 mm), 4, 5-1/4 OD (133 mm), 5-1/2 OD (139.7 mm), 5, 6-1/4 OD (159 mm), 6-1/2 OD (165.1 mm), 6, 8, 10, 12	300
XGQT11	Eccentric reducer	1-1/2 x 1, 1-1/4; 2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2, 2; 3 OD (76.1 mm) x 1, 1-1/4, 1-1/2, 2; 3 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm); 4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3 OD (76.1 mm), 3; 5-1/2 OD (139.7 mm) x 2, 3 OD (76.1 mm), 3, 4; 5 x 2, 2-1/2, 3 OD (76.1 mm), 3, 4; 6-1/2 OD (165.1 mm) x 2, 2-1/2, 3 OD (76.1 mm), 3, 4, 5-1/2 OD (139.7 mm), 5; 6 x 2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD (139.7 mm), 5; 8 x 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6; 10 x 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8; 12 x 4, 5-1/2 OD (139.7 mm), 5, 6-1/2 OD (165.1 mm), 6, 8, 10	300

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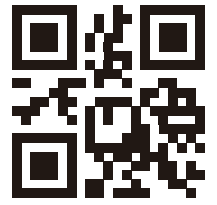
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원가
절감

본사. 경남 진주시 내동면 내축로577번길 29-5
TEL. 055-752-8119 FAX. 0303-3130-8019
E-mail. daehyun3268@dhgroove.com
서울지사. 서울시 송파구 정의로 70 케이유타워 707호