

FITTINGS

1 CHARACTERISTICS AND BENEFITS

- For connection to pipe network
- Allow connections of different elements in pipeline
- Inside and outside Epoxy powder coating in RAL 5005

2 STANDARDS

- Flanges acc. to EN 1092-2 PN 10/16
- Installation length acc. to EN 558-1
- Body material acc. to EN 1563, EN545
- Corrosion protection acc. to DIN 30677-2 and EN 14901
- Microbiological suitability acc. to EN 16421 (W270)

3 APPROVALS

- UBA, W270, ACS WRAS, Belgaqua for Epoxy coating
- GSK – RAL GZ-662/2 for corrosion protection
- VIK for Croatian market

PN	10/16
Max. operating pressure [bar]	16
Max. operating temperature for neutral liquids [°C]	50

MATERIAL

Body	EN GJS 500-7
Epoxy powder coating	RAL 5005 min. 250 µm

DIMENSIONS OF FLANGES

DN	50	65	80	100	125	150	200	250	300	350	400	500
d PN10/PN16 [mm]	19	19	19	19	19	23	23	23/28	23/28	23/28	28/31	28/34
No. of holes for screws	4	4	8	8	8	8	12	12	12	16	16	20
D [mm]	165	185	200	220	250	285	340	400	455	520	580	715
Dk PN10 [mm]	125	145	160	180	210	240	295	350	400	460	515	620
Dk PN16 [mm]								355	410	470	525	650

Note: Unless otherwise stated for an individual piece, it applies to all fittings.

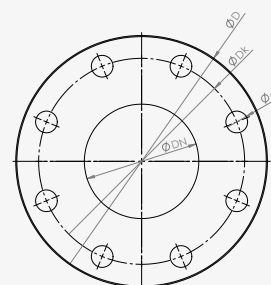
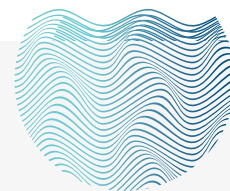
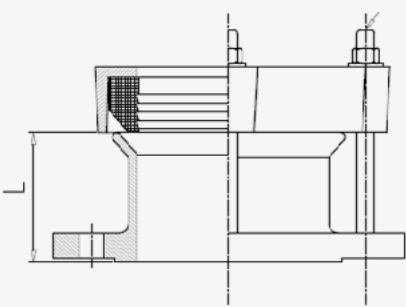


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E-BS-PIECE

DATA

DN	Outer diameter of the pipe	L	No. and dim. of screws	Item No.
DN65	72-85	75	4-M12	30568
DN100	108-128	75	4-M12	30569
DN150	158-182	75	4-M12	30570
DN200	218-235	75	4-M12	30571
DN250	271-289	90	6-M12	30572
DN300	315-332	90	6-M12	30628

* Screw material is not part of the basic product.
Screws, nuts and washers are available upon inquiry.

U-BS-PIECE



DN	Outer diameter of the pipe	L	No. and dim. of screws	Item No.
DN80	88-103	100	4-M12	30574
DN150	158-182	100	4-M12	30575
DN200	218-235	100	4-M12	30576
DN250	271-289	100	6-M12	30577

DATA

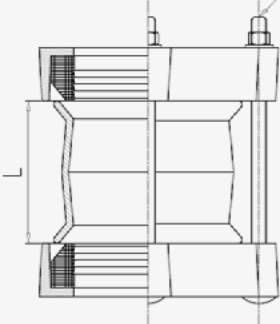
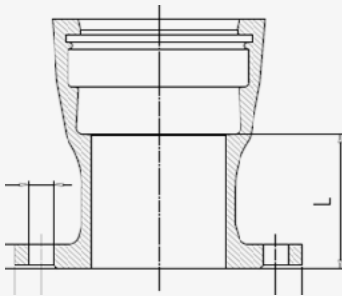
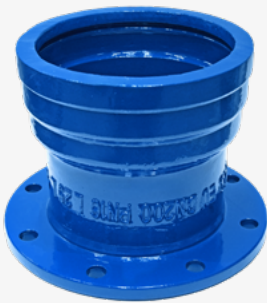


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EU-PIECE

DATA	DN	L	Item No.
	DN80	130	30567
	DN100	130	30622
	DN125	145	30623
	DN150	155	30624
	DN200	200	30625
	DN300	250	30626
	DN500	270	30627

E-KS-PIECE



DN	L	Item No.
DN50 OD63	85	30547
DN65 OD75	100	30548
DN80 OD90	110	30549
DN100 OD110	110	30550
DN125 OD125	125	30551
DN150 OD160	135	30552
DN200 OD225	180	30553
DN250 OD280	220	30554
DN300 OD315	230	30555
DN400 OD420	230	30556

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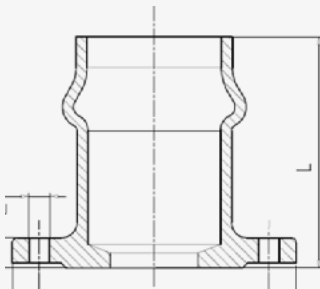
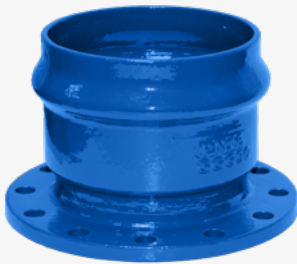
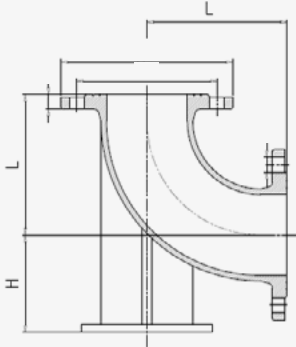


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N-PIECE

DATA

DN	L	H	Item No.
DN50/90°	150	95	30429
DN80/90°	165	110	30430
DN100/90°	180	125	30431
DN150/90°	195	140	30578
DN200/90°	210	155	30579

F-PIECE



DN	L	Item No.
DN80	350	30441
DN100	360	30581
DN125	370	30582
DN150	380	30583
DN150	171	30620
DN200	400	30442

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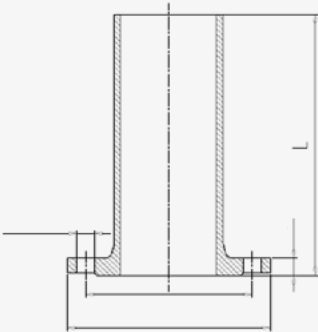
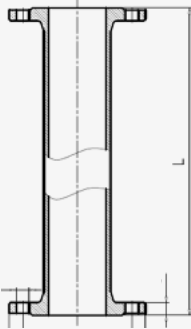


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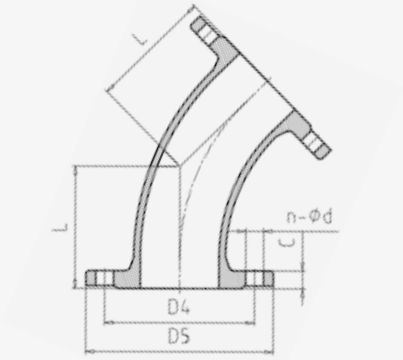
FF-PIECE

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DN	L	Item No.
DN50/200	200	30443
DN50/300	300	30444
DN50/400	400	30445
DN50/500	500	30446
DN50/600	600	30447
DN65/500	500	30448
DN80/100	100	30449
DN80/200	200	30450
DN80/300	300	30451
DN80/400	400	30452
DN80/500	500	30453
DN80/600	600	30454
DN80/700	700	30455
DN80/800	800	30456
DN80/1000	1000	30457
DN100/100	100	30584
DN100/200	200	30585
DN100/300	300	30458
DN100/400	400	30459
DN100/500	500	30586
DN100/600	600	30587
DN100/700	700	30460
DN100/800	800	30461
DN100/900	900	30462
DN100/1000	1000	30463
DN125/200	200	30588
DN125/300	300	30589
DN125/600	600	30590
DN125/800	800	30591
DN125/1000	1000	30464

DN	L	Item No.
DN150/100	100	30592
DN150/200	200	30465
DN150/300	300	30466
DN150/400	400	30467
DN150/500	500	30468
DN150/600	600	30469
DN150/700	700	30470
DN150/800	800	30471
DN150/1000	1000	30472
DN200/200	200	30473
DN200/400	400	30474
DN200/500	500	30475
DN200/700	700	30476
DN200/800	800	30477
DN200/1000	1000	30478
DN250/200	200	30479
DN250/400	400	30480
DN250/700	700	30481
DN250/800	800	30482
DN250/1000	1000	30483
DN300/100	100	30489
DN300/400	400	30484
DN300/500	500	30485
DN300/600	600	30486
DN300/800	800	30487
DN300/1000	1000	30488
DN400/800	800	30490
DN400/1000	1000	30491
DN500/600	600	30492
DN500/800	800	30493

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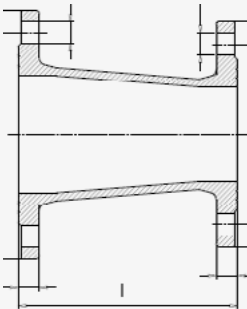


FFK-PIECE

DATA

DN	L	Item No.
DN100/11,25°	140	30506
DN150/11,25°	160	30507
DN100/22,5°	140	30508
DN250/22,5°	190	30509
DN100/30°	120	30510
DN80/45°	130	30511
DN100/45°	140	30512
DN150/45°	160	30513
DN50/90°	120	30546
DN80/90°	130	30544
DN100/90°	140	30545

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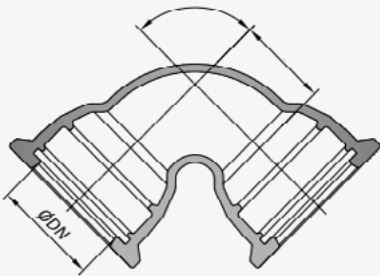


FFR-PIECE

DATA

DN	L	Item No.
DN80/50	200	30494
DN80/65	200	30495
DN100/50	200	30496
DN100/65	200	30497
DN100/80	200	30593
DN125/100	200	30594
DN150/80	200	30498
DN150/100	200	30499
DN150/125	200	30595
DN200/100	300	30596
DN200/125	300	30500
DN200/150	300	30501
DN200/250	300	30502
DN250/150	300	30597
DN250/200	300	30503
DN300/200	300	30598
DN300/250	300	30504

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MMQ-PIECE

DATA

DN	Item No.
DN80 90°	30642
DN100 90°	30643
DN125 90°	30644
DN200 90°	30573

MMA-PIECE



DATA

DN	Item No.
DN80/80	30653
DN100/80	30651
DN100/100	30652
DN125/80	30650
DN125/100	30649
DN150/80	30647
DN150/100	30648
DN200/80	30645
DN200/100	30646

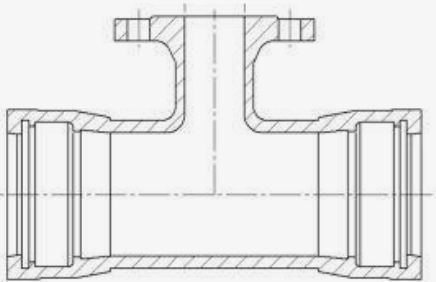
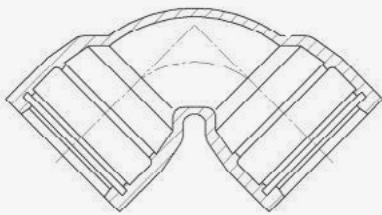


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MMK-PIECE

DATA

DN	Item No.
DN80/11°	30629
DN100/11°	30630
DN125/11°	30631
DN80/22°	30632
DN100/22°	30633
DN125/22°	30634
DN80/45°	30635
DN100/45°	30636
DN150/11°	30637
DN150/22°	30638
DN150/45°	30639
DN200/11°	30640
DN200/45°	30641

Q-PIECE



DATA

DN	L	Item No.
DN50/90°	150	30432
DN80/90°	165	30433
DN100/90°	180	30434
DN125/90°	200	30580
DN150/90°	220	30435
DN200/90°	260	30436
DN250/90°	350	30437
DN300/90°	400	30438
DN350/90°	450	30439
DN400/90°	500	30440

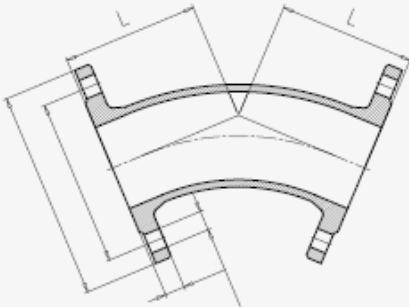
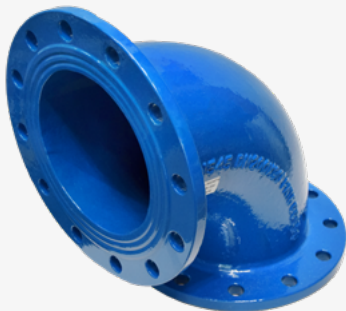
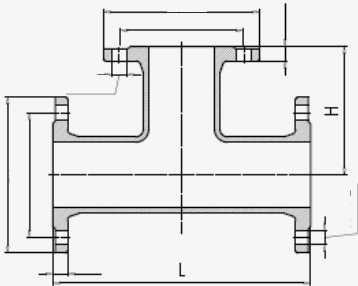


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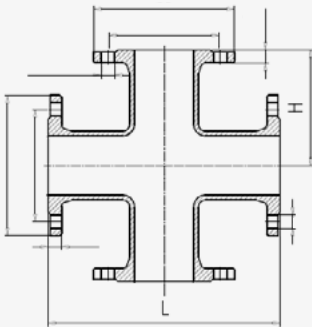
T-PIECE

DATA

DN	L	H	Item No.
DN50/50	300	150	30514
DN65/65	330	165	30515
DN80/50	310	145	30517
DN80/80	300	165	30516
DN100/50	320	165	30519
DN100/80	340	165	30599
DN100/100	360	180	30518
DN125/80	360	180	30600
DN125/100	360	180	30601
DN150/50	340	180	30520
DN150/80	360	200	30602
DN150/100	380	220	30603
DN150/150	380	240	30604
DN200/80	400	250	30605

DN	L	H	Item No.
DN200/100	400	250	30606
DN200/150	400	250	30607
DN200/200	400	250	30608
DN250/80	700	270	30521
DN300/80	800	295	30522
DN300/100	800	300	30523
DN300/150	800	350	30524
DN300/300	800	400	30609
DN400/250	850	450	30610
DN400/400	850	450	30611
DN500/200	900	500	30525
DN500/300	900	500	30526
DN500/400	900	500	30527

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TT-PIECE

DATA

DN	L	H	Item No.
DN80/80	330	165	30528
DN100/100	360	180	30529
DN150/100	440	210	30530
DN150/150	440	220	30531
DN200/200	520	260	30532
DN300/300	800	400	30533

X-PIECE



DATA

DN	Item No.
50	30535
80	30537
100	30538
150	30539
200	30540
250	30541

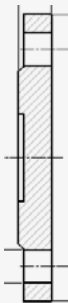
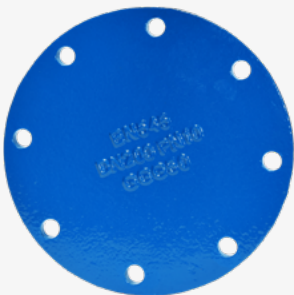
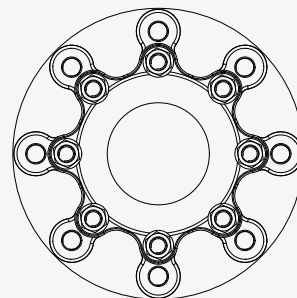
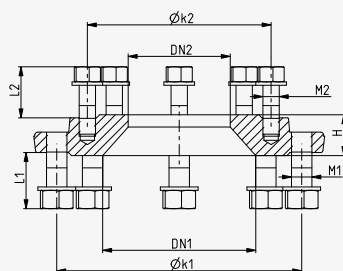
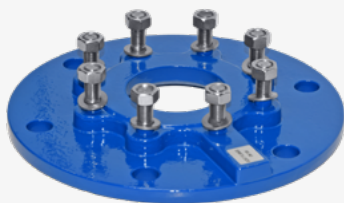


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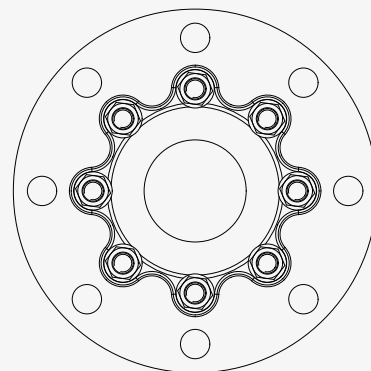
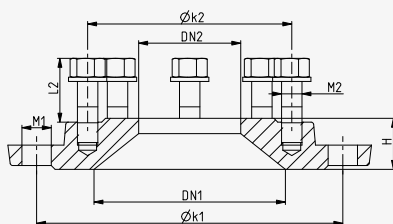
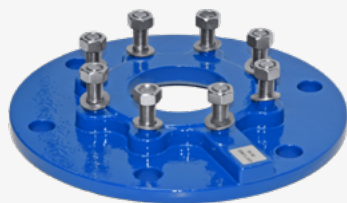


XR-PIECE TYPE A REDUCING FLANGE

- enable connection of valves of different diameters
- reducing flanges are delivered with all necessary screws, washers and nuts from galvanized steel

DATA TYPE A

DN1	PN	no. of screws x M1/L1	k1	H	DN2	k2	no. of screws x M2/L2
60	10/16	4 x M16/50	135	45	40	110	4 x M16/50
60	10/16	4 x M16/50	135	45	50	125	4 x M16/50
60	10/16	4 x M16/50	135	45	65	145	4 x M16/50
80	10/16	8 x M16/50	160	39	40	110	4 x M16/50
80	10/16	8 x M16/50	160	39	50	125	4 x M16/50
80	10/16	8 x M16/50	160	39	60	135	4 x M16/50
100	10/16	8 x M16/50	180	39	40	110	4 x M16/50
100	10/16	8 x M16/50	180	39	50	125	4 x M16/50
100	10/16	8 x M16/50	180	39	60	135	4 x M16/50
100	10/16	8 x M16/50	180	39	65	145	4 x M16/50
100	10/16	8 x M16/50	180	39	80	160	8 x M16/50
125	10/16	8 x M16/50	210	39	60	135	4 x M16/50
125	10/16	8 x M16/50	210	39	80	160	8 x M16/50
125	10/16	8 x M16/50	210	39	100	180	8 x M16/50
150	10/16	8 x M20/60	240	39	100	180	8 x M16/50
200	10	8 x M20/60	295	39	150	240	8 x M20/60
250	10	12 x M20/60	350	39	200	295	8 x M20/60
300	10	12 x M20/60	400	39	250	350	12 x M20/60
200	16	12 x M20/60	295	39	150	240	8 x M20/60
250	16	12 x M24/60	355	39	200	295	12 x M20/60
300	16	12 x M24/70	410	39	250	355	12 x M24/60
60	25	8 x M16/50	135	45	40	110	4 x M16/50
60	25	8 x M16/50	135	45	50	125	4 x M16/50
80	25	8 x M16/50	160	39	40	110	4 x M16/50
80	25	8 x M16/50	160	39	50	125	4 x M16/50
80	25	8 x M16/50	160	39	60	135	8 x M16/50



XR-PIECE TYPE B REDUCING FLANGE

- enable connection of valves of different diameters
- reducing flanges are delivered with all necessary screws, washers and nuts from galvanized steel

DATA TYPE B

DN1	PN	no. of screws x M1/L1	k1	H	DN2	k2	no. of screws x M2/L2
150	10/16	8 / 23	240	39	60	135	4 x M16/50
150	10/16	8 / 23	240	39	80	160	8 x M16/50
200	10	8 / 23	295	39	60	135	4 x M16/50
200	10	8 / 23	295	39	80	160	8 x M16/50
200	10	8 / 23	295	39	100	180	8 x M16/50
200	10	8 / 23	295	39	125	210	8 x M16/50
250	10	12 / 23	350	39	80	160	8 x M16/50
250	10	12 / 23	350	39	100	180	8 x M16/50
250	10	12 / 23	350	39	150	240	8 x M20/60
300	10	12 / 23	400	39	100	180	8 x M16/50
300	10	12 / 23	400	39	150	240	8 x M20/60
300	10	12 / 23	400	39	200	295	8 x M20/60
200	16	12 / 23	295	39	60	135	4 x M16/50
200	16	12 / 23	295	39	80	160	8 x M16/50
200	16	12 / 23	295	39	100	180	8 x M16/50
200	16	12 / 23	295	39	125	210	8 x M16/50
250	16	12 / 28	355	39	80	160	8 x M20/60
250	16	12 / 28	355	39	100	180	8 x M16/50
250	16	12 / 28	355	39	150	240	8 x M20/60
300	16	12 / 28	410	39	100	180	8 x M16/50
300	16	12 / 28	410	39	150	240	8 x M20/60
300	16	12 / 28	410	39	200	295	12 x M20/60