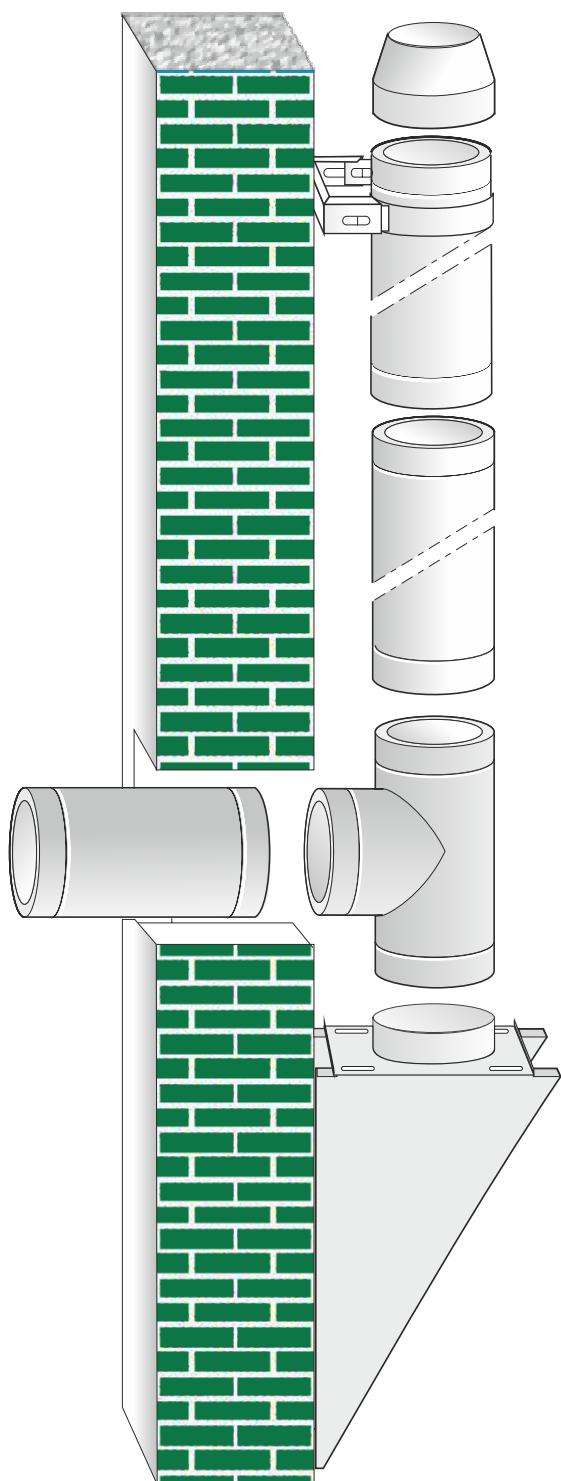


PRZEWODY KOMINOWE TYPU DWWk INVEST



PRZEZNACZENIE:

odprowadzanie spalin na zewnątrz budynku z kotłów kondensacyjnych opalanych gazem lub olejem opałowym o maksymalnej temperaturze spalin 120°C

BUDOWA RUR I KSZTAŁTEK:

elementy spalinowe izolowane wełną mineralną o grubości 20÷30 mm z uszczelką umieszczoną na nyplu

ZAKRES ŚREDNIC:

dwuścienne izolowane 120/180 - 500/550 mm

PALIWO:

gaz lub olej opałowy

GATUNEK I GRUBOŚĆ MATERIAŁU:

stal nierdzewna 1.4301 /opcjonalnie 1.4404, 1.4521/ o grubości 0,5÷0,8 mm

ODPORNOŚĆ NA KOROZJĘ:

Vm/V2

ODLEGŁOŚĆ OD MATERIAŁÓW PALNYCH:

50 mm

KLASA TEMPERATURY:

T120 -120°C (odczyt temperatury spalin)

KLASA CIŚNIENIA:

klasa P1 - 200 Pa (spalinowy)

SPOSÓB PRACY KOMINA:

nadciśnieniowy (szczelność połączeń zapewniają uszczelki EPDM typu Ep1692)

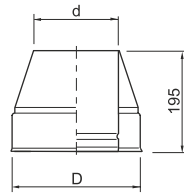
ODPORNOŚĆ NA DZIAŁANIE KONDENSATU:

W/D

USTNIK INVEST

351

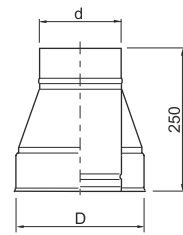
d	D	INDEX
120	180	3511200007
130	180	3511300007
140	180	3511400007
150	200	3511500007
160	200	3511600007
180	225	3511800007
200	250	3512000007
225	270	3512200007
250	300	3512500007
300	350	3513000007
350	400	3513500007
400	450	3514000007
450	500	3514500007
500	550	3515000007



USTNIK POD PARASOL INVEST

352

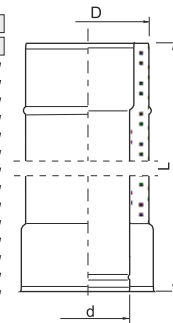
d	D	INDEX
120	180	3521200007
130	180	3521300007
140	180	3521400007
150	200	3521500007
160	200	3521600007
180	225	3521800007
200	250	3522000007
225	270	3522200007
250	300	3522500007
300	350	3523000007
350	400	3523500007
400	450	3524000007
450	500	3524500007
500	550	3525000007



RURA INVEST

353, 354, 355, 356

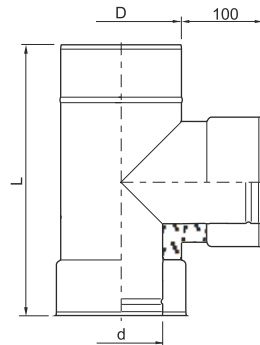
INDEX					
d	D	L 1000	L 500	L 330	L 250
120	180	3531200007	3541200007	3551200007	3561200007
130	180	3531300007	3541300007	3551300007	3561300007
140	180	3531400007	3541400007	3551400007	3561400007
150	200	3531500007	3541500007	3551500007	3561500007
160	200	3531600007	3541600007	3551600007	3561600007
180	225	3531800007	3541800007	3551800007	3561800007
200	250	3532000007	3542000007	3552000007	3562000007
225	270	3532200007	3542200007	3552200007	3562200007
250	300	3532500007	3542500007	3552500007	3562500007
300	350	3533000007	3543000007	3553000007	3563000007
350	400	3533500007	3543500007	3553500007	3563500007
400	450	3534000007	3544000007	3554000007	3564000007
450	500	3534500007	3544500007	3554500007	3564500007
500	550	3535000007	3545000007	3555000007	3565000007



TRÓJNIK 93° INVEST

357

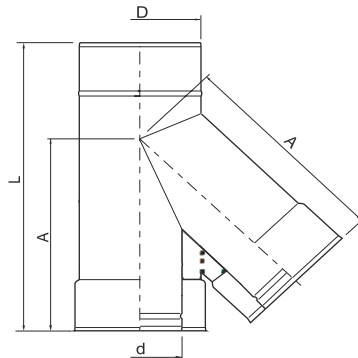
d	D	L	INDEX
120	180	400	3571200007
130	180	400	3571300007
140	180	400	3571400007
150	200	400	3571500007
160	200	400	3571600007
180	225	450	3571800007
200	250	450	3572000007
225	270	500	3572200007
250	300	500	3572500007
300	350	550	3573000007
350	400	600	3573500007
400	450	650	3574000007
450	500	700	3574500007
500	550	750	3575000007



TRÓJNIK 45° INVEST

358

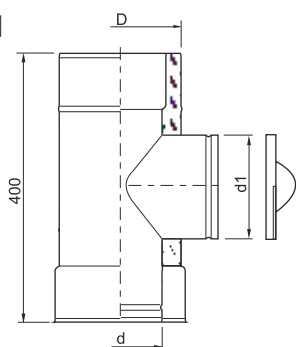
d	D	A	L	INDEX
120	180	350	500	3581200007
130	180	350	500	3581300007
140	180	350	500	3581400007
150	200	350	500	3581500007
160	200	350	500	3581600007
180	225	400	570	3581800007
200	250	400	570	3582000007
225	270	420	570	3582200007
250	300	500	700	3582500007
300	350	550	800	3583000007
350	400	600	800	3583500007
400	450	680	900	3584000007
450	500	780	1000	3584500007
500	550	760	1000	3585000007



WYCZYSTKA OKRĄGŁA INVEST

359

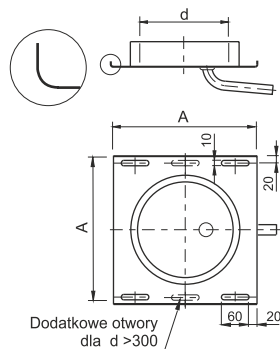
d1	d	D	INDEX
120	120	180	3591200007
130	180	180	3591300007
140	180	180	3591400007
150	200	180	3591500007
160	200	180	3591600007
180	225	180	3591800007
200	250	180	3592000007
225	270	180	3592200007
250	300	180	3592500007
300	350	180	3593000007
350	400	180	3593500007
400	450	180	3594000007
450	500	180	3594500007
500	550	180	3595000007



ODSKRAPLACZ INVEST

360

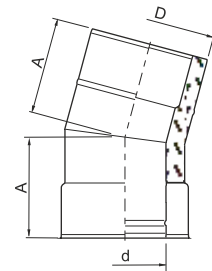
d	D	A	INDEX
120	180	300	3601200007
130	180	300	3601300007
140	180	300	3601400007
150	200	300	3601500007
160	200	300	3601600007
180	225	300	3601800007
200	250	350	3602000007
225	270	370	3602200007
250	300	400	3602500007
300	350	450	3603000007
350	400	500	3603500007
400	450	550	3604000007
450	500	600	3604500007
500	550	650	3605000007



KOLANO 15° INVEST

361

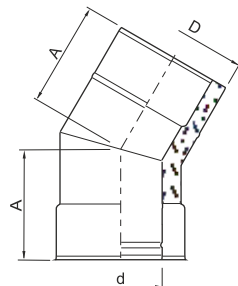
d	D	A	INDEX
120	180	125	3611200007
130	180	125	3611300007
140	180	125	3611400007
150	200	125	3611500007
160	200	125	3611600007
180	225	130	3611800007
200	250	135	3612000007
225	270	145	3612200007
250	300	160	3612500007
300	350	170	3613000007
350	400	180	3613500007
400	450	190	3614000007
450	500	200	3614500007
500	550	210	3615000007



KOLANO 30° INVEST

362

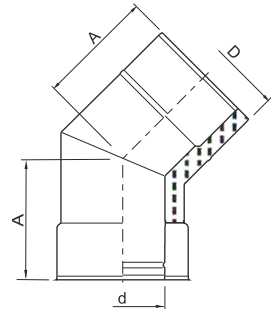
d	D	A	INDEX
120	180	125	3621200007
130	180	125	3621300007
140	180	125	3621400007
150	200	125	3621500007
160	200	125	3621600007
180	225	130	3621800007
200	250	135	3622000007
225	270	145	3622200007
250	300	160	3622500007
300	350	170	3623000007
350	400	180	3623500007
400	450	190	3624000007
450	500	200	3624500007
500	550	210	3625000007



KOLANO 45° INVEST

363

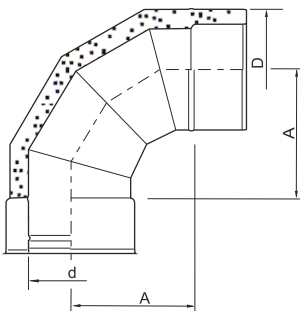
d	D	A	INDEX
120	180	125	3631200007
130	180	125	3631300007
140	180	125	3631400007
150	200	125	3631500007
160	200	125	3631600007
180	225	130	3631800007
200	250	135	3632000007
225	270	145	3632200007
250	300	160	3632500007
300	350	170	3633000007
350	400	180	3633500007
400	450	190	3634000007
450	500	200	3634500007
500	550	210	3635000007



KOLANO 93° INVEST

364

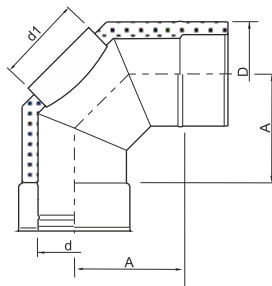
d	D	A	INDEX
120	180	155	3641200007
130	180	155	3641300007
140	180	155	3641400007
150	200	165	3641500007
160	200	165	3641600007
180	225	180	3641800007
200	250	200	3642000007
225	270	210	3642200007
250	300	215	3642500007
300	350	250	3643000007
350	400	280	3643500007
400	450	305	3644000007
450	500	325	3644500007
500	550	355	3645000007



KOLANO Z WYCZYSTKĄ OKRĄGLĄ INVEST

365

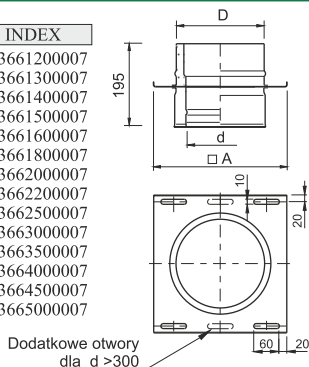
d1	d	D	A	INDEX
120	120	180	200	3651200007
130	130	180	200	3651300007
140	140	180	200	3651400007
150	150	200	200	3651500007
160	160	200	200	3651600007
180	180	225	200	3651800007
200	200	250	205	3652000007
225	225	270	210	3652200007
250	250	300	215	3652500007
300	300	350	255	3653000007
350	350	400	295	3653500007
400	400	450	300	3654000007
450	450	500	340	3654500007
500	500	550	360	3655000007



PODPORA PRZEJŚCIOWA INVEST

366

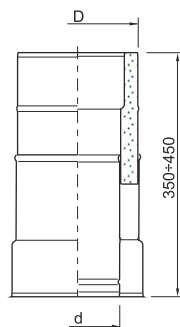
d	D	A	INDEX
120	180	300	3661200007
130	180	300	3661300007
140	180	300	3661400007
150	200	300	3661500007
160	200	300	3661600007
180	225	300	3661800007
200	250	D+100	3662000007
225	270	D+100	3662200007
250	300	D+100	3662500007
300	350	D+100	3663000007
350	400	D+100	3663500007
400	450	D+100	3664000007
450	500	D+100	3664500007
500	550	D+100	3665000007



TELESKOP INVEST

367

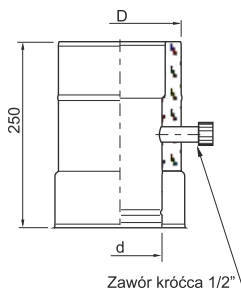
d	D	INDEX
120	180	3671200007
130	180	3671300007
140	180	3671400007
150	200	3671500007
160	200	3671600007
180	225	3671800007
200	250	3672000007
225	270	3672200007
250	300	3672500007
300	350	3673000007
350	400	3673500007
400	450	3674000007
450	500	3674500007
500	550	3675000007



KRUCIEC POMIAROWY 25 INVEST

368

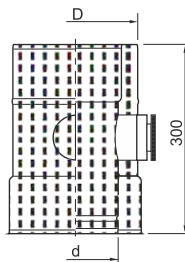
d	D	INDEX
120	180	3681200007
130	180	3681300007
140	180	3681400007
150	200	3681500007
160	200	3681600007
180	225	3681800007
200	250	3682000007
225	270	3682200007
250	300	3682500007
300	350	3683000007
350	400	3683500007
400	450	3684000007
450	500	3684500007
500	550	3685000007



KRÓCIEC POMIAROWY 64 INVEST

369

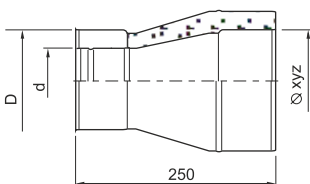
d	D	INDEX
120	180	3691200007
130	180	3691300007
140	180	3691400007
150	200	3691500007
160	200	3691600007
180	225	3691800007
200	250	3692000007
225	270	3692200007
250	300	3692500007
300	350	3693000007
350	400	3693500007
400	450	3694000007
450	500	3694500007
500	550	3695000007



REDUKCJA INVEST

370

d	D	INDEX
120	180	370120xyz7
130	180	370130xyz7
140	180	370140xyz7
150	200	370150xyz7
160	200	370160xyz7
180	225	370180xyz7
200	250	370200xyz7
225	270	370225xyz7
250	300	370250xyz7
300	350	370300xyz7
350	400	370350xyz7
400	450	370400xyz7
450	500	370450xyz7
500	550	370500xyz7

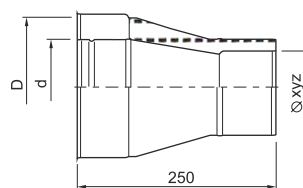


XYZ > d
XYZ_{max} > 2*d

REDUKCJA ODWROTNA INVEST

371

d	D	INDEX
120	180	371120xyz7
130	180	371130xyz7
140	180	371140xyz7
150	200	371150xyz7
160	200	371160xyz7
180	225	371180xyz7
200	250	371200xyz7
225	270	371225xyz7
250	300	371250xyz7
300	350	371300xyz7
350	400	371350xyz7
400	450	371400xyz7
450	500	371450xyz7
500	550	371500xyz7

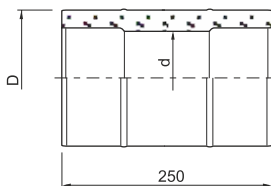


d > XYZ
d_{max} > 2*XYZ

ZŁĄCZKA DWUKIELICHOWA INVEST

372

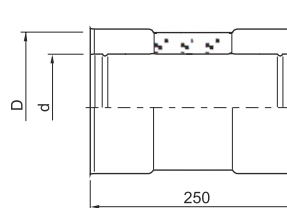
d	D	INDEX
120	180	3721200007
130	180	3721300007
140	180	3721400007
150	200	3721500007
160	200	3721600007
180	225	3721800007
200	250	3722000007
225	270	3722200007
250	300	3722500007
300	350	3723000007
350	400	3723500007
400	450	3724000007
450	500	3724500007
500	550	3725000007



ZŁĄCZKA DWUNYPLOWA INVEST

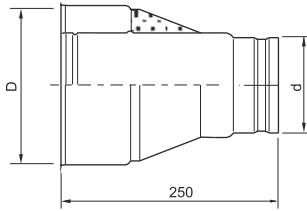
373

d	D	INDEX
120	180	3731200007
130	180	3731300007
140	180	3731400007
150	200	3731500007
160	200	3731600007
180	225	3731800007
200	250	3732000007
225	270	3732200007
250	300	3732500007
300	350	3733000007
350	400	3733500007
400	450	3734000007
450	500	3734500007
500	550	3735000007



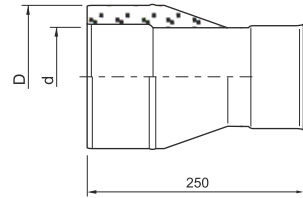
ZAKOŃCZENIE NYPEL - NYPEL INVEST 374

d	D	INDEX
120	180	3741200007
130	180	3741300007
140	180	3741400007
150	200	3741500007
160	200	3741600007
180	225	3741800007
200	250	3742000007
225	270	3742200007
250	300	3742500007
300	350	3743000007
350	400	3743500007
400	450	3744000007
450	500	3744500007
500	550	3745000007



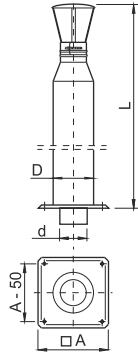
ZAKOŃCZENIE KIELICH - KIELICH INVEST 375

d	D	INDEX
120	180	3751200007
130	180	3751300007
140	180	3751400007
150	200	3751500007
160	200	3751600007
180	225	3751800007
200	250	3752000007
225	270	3752200007
250	300	3752500007
300	350	3753000007
350	400	3753500007
400	450	3754000007
450	500	3754500007
500	550	3755000007



PRZEDŁUŻKA DO KOMINA INVEST 376

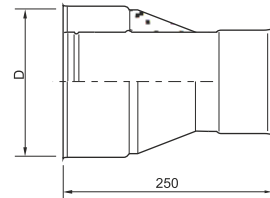
d	D	A	L	INDEX
120	180	320	1280	3761200007
130	180	320	1280	3761300007
140	180	320	1280	3761400007
150	200	320	1280	3761500007
160	200	320	1280	3761600007
180	225	400	1280	3761800007
200	250	400	1280	3762000007
225	270	400	1280	3762200007
250	300	450	1280	3762500007



Dla L=1280 indeks jest np. 376 120 0007
a dla L=780 indeks jest 376 120 1007

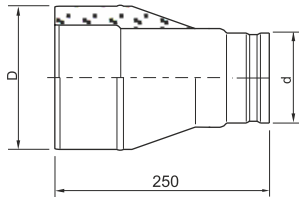
ZAKOŃCZENIE NYPEL - KIELICH INVEST 377

d	D	INDEX
120	180	3771200007
130	180	3771300007
140	180	3771400007
150	200	3771500007
160	200	3771600007
180	225	3771800007
200	250	3772000007
225	270	3772200007
250	300	3772500007
300	350	3773000007
350	400	3773500007
400	450	3774000007
450	500	3774500007
500	550	3775000007



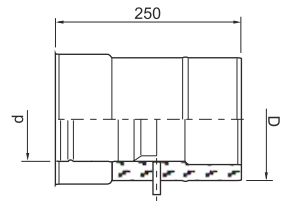
ZAKOŃCZENIE KIELICH - NYPEL INVEST 378

d	D	INDEX
120	180	3781200007
130	180	3781300007
140	180	3781400007
150	200	3781500007
160	200	3781600007
180	225	3781800007
200	250	3782000007
225	270	3782200007
250	300	3782500007
300	350	3783000007
350	400	3783500007
400	450	3784000007
450	500	3784500007
500	550	3785000007



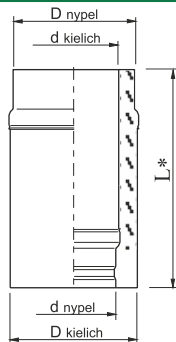
ODPŁYW KONDENSATU INVEST 379

d	D	INDEX
120	180	3791200007
130	180	3791300007
140	180	3791400007
150	200	3791500007
160	200	3791600007
180	225	3791800007
200	250	3792000007
225	270	3792200007
250	300	3792500007
300	350	3793000007
350	400	3793500007
400	450	3794000007
450	500	3794500007
500	550	3795000007



RURA DYSTANSOWA INVEST 380

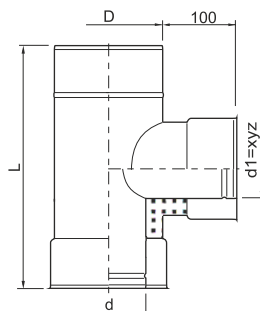
d	D	INDEX	
		L=500	L=1000
120	180	3801200007	3801201007
130	180	3801300007	3801301007
140	180	3801400007	3801401007
150	200	3801500007	3801501007
160	200	3801600007	3801601007
180	225	3801800007	3801801007
200	250	3802000007	3802001007
225	270	3802200007	3802201007
250	300	3802500007	3802501007
300	350	3803000007	3803001007
350	400	3803500007	3803501007
400	450	3804000007	3804001007
450	500	3804500007	3804501007
500	550	3805000007	3805001007



* - długość dopasować przycinając odpowiednio rurę wew. i zew.

TRÓJNIK REDUKCYJNY 93° INVEST 382

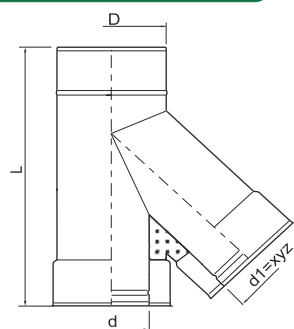
d	D	INDEX
120	180	382120xyz7
130	180	382130xyz7
140	180	382140xyz7
150	200	382150xyz7
160	200	382160xyz7
180	225	382180xyz7
200	250	382200xyz7
225	270	382220xyz7
250	300	382250xyz7
300	350	382300xyz7
350	400	382350xyz7
400	450	382400xyz7
450	500	382450xyz7
500	550	382500xyz7



d1	120	130	140	150	160	180	200	225	250	300	350	400	450	
D1	180	180	180	200	200	225	250	270	300	350	400	450	500	
L	400				450				500		550		600	

TRÓJNIK REDUKCYJNY 45° INVEST 381

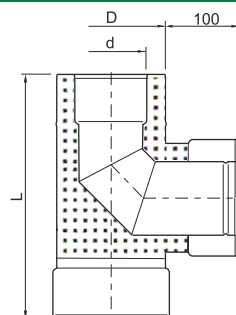
d	D	INDEX
120	180	381120xyz7
130	180	381130xyz7
140	180	381140xyz7
150	200	381150xyz7
160	200	381160xyz7
180	225	381180xyz7
200	250	381200xyz7
225	270	381220xyz7
250	300	381250xyz7
300	350	381300xyz7
350	400	381350xyz7
400	450	381400xyz7
450	500	381450xyz7
500	550	381500xyz7



d1	120	130	140	150	160	180	200	225	250	300	350	400	450	
D1	180	180	180	200	200	225	250	270	300	350	400	450	500	
L	450				500				570		700		800	

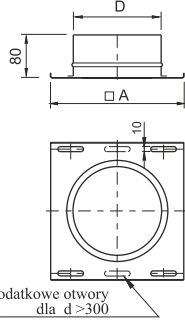
KOLANO - TRÓJNIK 93° INVEST 383

d	D	L	INDEX
120	180	400	3831200007
130	180	400	3831300007
140	180	400	3831400007
150	200	400	3831500007
160	200	400	3831600007
180	225	450	3831800007
200	250	450	3832000007
225	270	500	3832200007
250	300	500	3832500007
300	350	550	3833000007
350	400	600	3833500007
400	450	650	3834000007
450	500	700	3834500007
500	550	750	3835000007



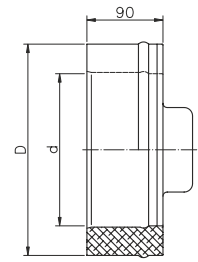
PLYTA POD KOLANO-TRÓJNIK 93° INVEST 384

d	D	A	INDEX
120	180	300	3841200007
130	180	300	3841300007
140	180	300	3841400007
150	200	300	3841500007
160	200	300	3841600007
180	225	300	3841800007
200	250	D+100	3842000007
225	270	D+100	3842200007
250	300	D+100	3842500007
300	350	D+100	3843000007
350	400	D+100	3843500007
400	450	D+100	3844000007
450	500	D+100	3844500007
500	550	D+100	3845000007



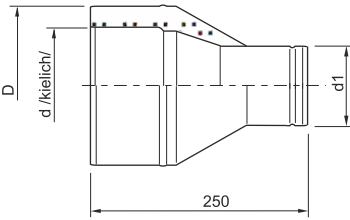
DEKIEL KIELICHOWY INVEST 385

d	D	INDEX
120	180	3851200007
130	180	3851300007
140	180	3851400007
150	200	3851500007
160	200	3851600007
180	225	3851800007
200	250	3852000007
225	270	3852200007
250	300	3852500007
300	350	3853000007
350	400	3853500007
400	450	3854000007
450	500	3854500007
500	550	3855000007



ZAKOŃCZENIE REDUKCYJNE KIELICH-NYPEL INVEST 391

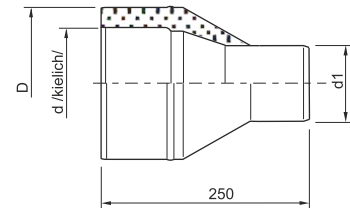
d	D	INDEX
120	180	391120xyz7
130	180	391130xyz7
140	180	391140xyz7
150	200	391150xyz7
160	200	391160xyz7
180	225	391180xyz7
200	250	391200xyz7
225	270	391220xyz7
250	300	391250xyz7
300	350	391300xyz7
350	400	391350xyz7
400	450	391400xyz7
450	500	391450xyz7
500	550	391500xyz7



$d > d1$ $d_{max} = 2 * d1$
xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE KIELICH-NYPEL INVEST 391

d	D	INDEX
120	180	391120xyz7T
130	180	391130xyz7T
140	180	391140xyz7T
150	200	391150xyz7T
160	200	391160xyz7T
180	225	391180xyz7T
200	250	391200xyz7T
225	270	391220xyz7T
250	300	391250xyz7T
300	350	391300xyz7T



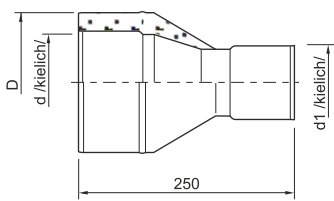
$d > d1$ $d_{max} = 2 * d1$

d1	60	80	100	110	125	150
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xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE KIELICH-KIELICH INVEST 392

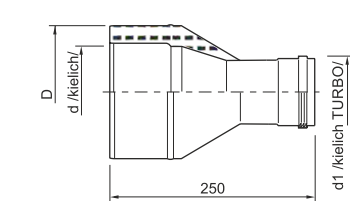
d	D	INDEX
120	180	392120xyz7
130	180	392130xyz7
140	180	392140xyz7
150	200	392150xyz7
160	200	392160xyz7
180	225	392180xyz7
200	250	392200xyz7
225	270	392220xyz7
250	300	392250xyz7
300	350	392300xyz7
350	400	392350xyz7
400	450	392400xyz7
450	500	392450xyz7
500	550	392500xyz7



$d > d1$ $d_{max} = 2 * d1$
xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE KIELICH-KIELICH INVEST 392

d	D	INDEX
120	180	392120xyz7T
130	180	392130xyz7T
140	180	392140xyz7T
150	200	392150xyz7T
160	200	392160xyz7T
180	225	392180xyz7T
200	250	392200xyz7T
225	270	392220xyz7T
250	300	392250xyz7T
300	350	392300xyz7T



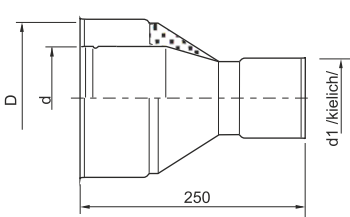
$d > d1$ $d_{max} = 2 * d1$

d1	60	80	100	110	125	150
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xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE NYPEL-KIELICH INVEST 393

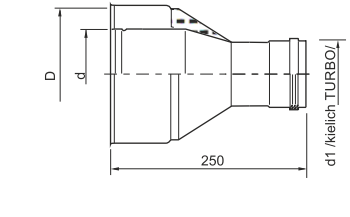
d	D	INDEX
120	180	393120xyz7
130	180	393130xyz7
140	180	393140xyz7
150	200	393150xyz7
160	200	393160xyz7
180	225	393180xyz7
200	250	393200xyz7
225	270	393220xyz7
250	300	393250xyz7
300	350	393300xyz7
350	400	393350xyz7
400	450	393400xyz7
450	500	393450xyz7
500	550	393500xyz7



$d > d1$ $d_{max} = 2 * d1$
xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE NYPEL-KIELICH INVEST 393

d	D	INDEX
120	180	393120xyz7T
130	180	393130xyz7T
140	180	393140xyz7T
150	200	393150xyz7T
160	200	393160xyz7T
180	225	393180xyz7T
200	250	393200xyz7T
225	270	393220xyz7T
250	300	393250xyz7T
300	350	393300xyz7T



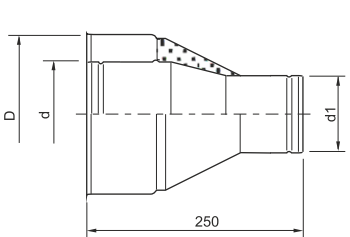
$d > d1$ $d_{max} = 2 * d1$

d1	60	80	100	110	125	150
----	----	----	-----	-----	-----	-----

xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE NYPEL-NYPEL INVEST 394

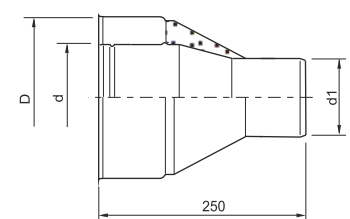
d	D	INDEX
120	180	394120xyz7
130	180	394130xyz7
140	180	394140xyz7
150	200	394150xyz7
160	200	394160xyz7
180	225	394180xyz7
200	250	394200xyz7
225	270	394220xyz7
250	300	394250xyz7
300	350	394300xyz7
350	400	394350xyz7
400	450	394400xyz7
450	500	394450xyz7
500	550	394500xyz7



$d > d1$ $d_{max} = 2 * d1$
xyz /d1/ - średnica zgodnie z zamówieniem

ZAKOŃCZENIE REDUKCYJNE NYPEL-NYPEL INVEST 394

d	D	INDEX
120	180	394120xyz7T
130	180	394130xyz7T
140	180	394140xyz7T
150	200	394150xyz7T
160	200	394160xyz7T
180	225	394180xyz7T
200	250	394200xyz7T
225	270	394220xyz7T
250	300	394250xyz7T
300	350	394300xyz7T



$d > d1$ $d_{max} = 2 * d1$

d1	60	80	100	110	125	150
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xyz /d1/ - średnica zgodnie z zamówieniem

ELEMENT NIETYPOWY 999

Elementy niekatalogowe wykonywane są na podstawie rysunków dostarczonych przez klienta. Wycena takich elementów jest oparta na indywidualnej kalkulacji.