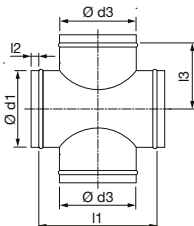
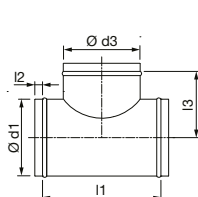


OBJ 90° – unilateral branch, OBD 90° – double sided



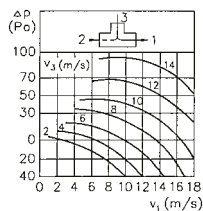
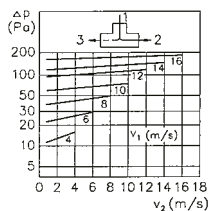
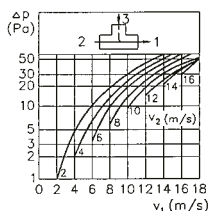
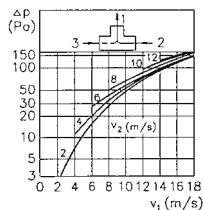
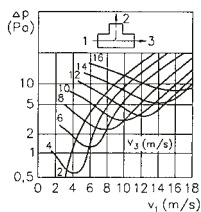
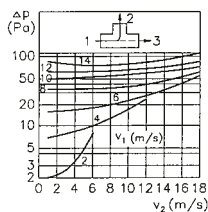
On request with flanges.

Ordering:

$d_1 = 315 \text{ mm}$; $d_3 = 160 \text{ mm}$

„OBJ 90° 315/160 – unilateral branch“

Above $\varnothing 500$ can only be manufactured after prior consultation with the manufacturer. The weights are only approximate.



Segmented shapes

d ₁ -d ₃ [mm]	80-80	100-80	100-100	112-80	112-100	112-112	125-80	125-100	125-112	125-125	140-80	140-100
l ₁ [mm]	170	170	190	170	190	200	170	190	200	215	170	190
l ₂ [mm]	40	40	40	40	40	40	40	40	40	40	40	40
l ₃ [mm]	85	95	95	100	100	100	110	110	110	110	115	115
m [kg]	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.8	0.9

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d ₁ -d ₃ [mm]	140-112	140-125	140-140	160-80	160-100	160-112	160-125	160-140	160-160	180-80	180-100	180-112
l ₁ [mm]	200	215	240	170	190	200	215	240	260	170	190	200
l ₂ [mm]	40	40	40	40	40	40	40	40	40	40	40	40
l ₃ [mm]	115	115	120	125	125	125	125	130	130	135	135	135
m [kg]	0.9	1.0	1.1	0.9	1.0	1.0	1.1	1.2	1.3	1.0	1.1	1.1

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d ₁ -d ₃ [mm]	180-125	180-140	180-160	180-180	200-80	200-100	200-112	200-125	200-140	200-160	200-180	200-200
l ₁ [mm]	215	240	260	280	170	190	200	215	240	260	280	330
l ₂ [mm]	40	40	40	40	40	40	40	40	40	40	40	40
l ₃ [mm]	135	140	140	140	145	145	145	145	150	150	150	165
m [kg]	1.2	1.3	1.4	1.5	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9

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d ₁ -d ₃ [mm]	224-80	224-100	224-112	224-125	224-140	224-160	224-180	224-200	224-224	250-80	250-100	250-112
l ₁ [mm]	170	190	200	215	240	260	280	330	355	170	190	200
l ₂ [mm]	40	40	40	40	40	40	40	40	40	60-40	60-40	60-40
l ₃ [mm]	160	160	160	160	165	165	165	180	180	170	170	170
m [kg]	1.2	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	1.5	1.6	1.7

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d ₁ -d ₃ [mm]	250-125	250-140	250-160	250-180	250-200	250-224	250-250	280-80	280-100	280-112	280-125	280-140
l ₁ [mm]	215	240	260	280	330	355	380	170	190	200	215	240
l ₂ [mm]	60-40	60-40	60-40	60-40	60-40	60-40	60	60-40	60-40	60-40	60-40	60-40
l ₃ [mm]	170	170	175	175	190	190	190	185	185	185	185	190
m [kg]	1.8	2.0	2.1	2.2	2.5	2.6	2.8	1.7	1.8	1.9	2.0	2.2

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d ₁ -d ₃ [mm]	280-160	280-180	280-200	280-224	280-250	280-280	315-80	315-100	315-112	315-125	315-140	315-160
l ₁ [mm]	260	280	330	355	380	430	170	190	200	215	240	260
l ₂ [mm]	60-40	60-40	60-40	60-40	60	60	60-40	60-40	60-40	60-40	60-40	60-40
l ₃ [mm]	190	190	205	205	205	215	205	205	205	205	210	210
m [kg]	2.3	2.5	2.8	2.9	3.2	3.5	2.2	2.4	2.5	2.7	2.9	3.1

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d ₁ -d ₃ [mm]	315-180	315-200	315-224	315-250	315-280	315-315	355-100	355-112	355-125	355-140	355-160	355-180
l ₁ [mm]	280	330	355	380	430	465	190	200	215	240	260	280
l ₂ [mm]	60-40	60-40	60-40	60	60	60	80-40	80-40	80-40	80-40	80-40	80-40
l ₃ [mm]	210	225	225	225	235	235	225	225	225	230	230	230
m [kg]	3.3	3.7	3.9	4.2	4.6	4.9	2.7	2.9	3.0	3.3	3.5	3.7

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d ₁ -d ₃ [mm]	355-200	355-224	355-250	355-280	355-315	355-355	400-100	400-112	400-125	400-140	400-160	400-180
l ₁ [mm]	330	355	380	430	465	525	190	200	215	240	260	280
l ₂ [mm]	80-40	80-40	80-60	90-60	80	80	80-40	80-40	80-40	80-40	80-40	80-40
l ₃ [mm]	245	245	245	255	255	265	245	245	245	250	250	250
m [kg]	4.1	4.4	4.7	5.2	5.6	6.1	3.3	3.5	3.7	4.0	4.2	4.4

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* ...upřednostňované rozměry

Segmented shapes

d ₁ -d ₃ [mm]	400-200	400-224	400-250	400-280	400-315	400-355	400-400	450-125	450-140	450-160	450-180	450-200
l ₁ [mm]	330	355	380	430	465	525	570	215	240	260	280	330
l ₂ [mm]	80-40	80-40	80-60	80-60	80-60	80	80	80-40	80-40	80-40	80-40	80-40
l ₃ [mm]	265	265	265	275	275	285	285	270	275	275	275	290
m [kg]	4.9	5.2	5.6	6.1	6.5	7.1	7.8	4.1	4.4	4.7	5.0	5.5

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d ₁ -d ₃ [mm]	450-224	450-250	450-280	450-315	450-355	450-400	450-450	500-125	500-140	500-160	500-180	500-200
l ₁ [mm]	355	380	430	465	525	570	620	215	240	260	280	330
l ₂ [mm]	80-40	80-60	80-60	80-60	80	80	80	80-40	80-40	80-40	80-40	80-40
l ₃ [mm]	290	290	300	300	310	310	310	295	300	300	300	315
m [kg]	5.8	6.3	6.8	7.3	8	8.7	9.3	4.5	4.9	5.2	5.5	6.1

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d ₁ -d ₃ [mm]	500-224	500-250	500-280	500-315	500-355	500-400	500-450	500-500	560-200	560-224	560-250	560-280
l ₁ [mm]	355	380	430	465	525	570	620	680	300	355	380	430
l ₂ [mm]	80-40	80-60	80-60	80-60	80	80	80	80	80-40	80-40	80-60	80-60
l ₃ [mm]	315	315	325	325	335	335	335	340	345	245	345	355
m [kg]	6.5	6.9	7.6	8.1	8.8	9.6	10.3	11.1	6.8	7.2	7.7	8.4

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d ₁ -d ₃ [mm]	560-315	560-355	560-400	560-450	560-500	560-560	630-200	630-224	630-250	630-280	630-315	630-400
l ₁ [mm]	465	525	570	620	680	740	330	355	380	430	465	570
l ₂ [mm]	80-60	80	80	80	80	80	100-40	100-40	100-60	100-60	100-60	100-80
l ₃ [mm]	355	365	365	365	370	370	280	380	380	390	390	400
m [kg]	9.0	9.8	10.7	11.5	12.6	13.2	8.9	9.4	10.1	11.0	11.9	14

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d ₁ -d ₃ [mm]	630-500	630-630	710-250	710-315	710-400	710-500	710-630	710-710	800-250	800-280	800-315	800-355
l ₁ [mm]	680	810	38	465	570	680	810	890	380	430	465	525
l ₂ [mm]	100-80	100	100-60	100-60	100-80	100-80	100	100	100-60	100-60	100-60	100-80
l ₃ [mm]	405	405	420	430	440	445	445	445	465	475	475	485
m [kg]	16.2	18.6	11.9	13.8	16.3	18.8	21.6	23.6	13.4	14.6	15.5	17

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d ₁ -d ₃ [mm]	800-400	800-450	800-500	800-560	800-630	800-800
l ₁ [mm]	570	620	680	740	810	980
l ₂ [mm]	100-80	100-80	100-80	100-80	100	100
l ₃ [mm]	485	485	490	490	490	490
m [kg]	18.3	19.6	21.1	22.6	24.3	28.6

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Above Ø 500, the fittings can only be made with a PR flange, delivery only after prior consultation.

* ...preferred dimensions