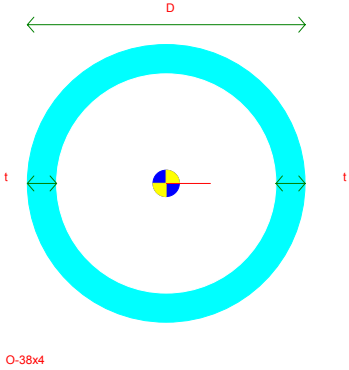


# Tubi circolari o tondi pieni

D = diametro esterno[ mm ]  
t = spessore [ mm ]

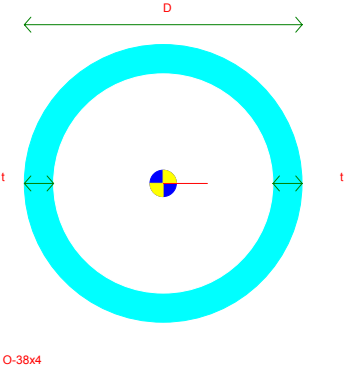


Nome	D	t
O-38x4	3.800e+01	4.000e+00
O-40x4	4.000e+01	4.000e+00
O-42.4x4	4.240e+01	4.000e+00
O-45x4	4.500e+01	4.000e+00
O-48.3x4	4.830e+01	4.000e+00
O-50x4	5.000e+01	4.000e+00
O-52x4	5.200e+01	4.000e+00
O-55x4	5.500e+01	4.000e+00
O-56x4	5.600e+01	4.000e+00
O-57x4	5.700e+01	4.000e+00
O-48.3x5	4.830e+01	5.000e+00
O-60.3x4	6.030e+01	4.000e+00
O-62x4	6.200e+01	4.000e+00
O-65x4	6.500e+01	4.000e+00
O-70x4	7.000e+01	4.000e+00
O-60.3x5	6.030e+01	5.000e+00
O-76.1x4	7.610e+01	4.000e+00
O-80x4	8.000e+01	4.000e+00
O-83x4	8.300e+01	4.000e+00
O-70x5	7.000e+01	5.000e+00
O-88.9x4	8.890e+01	4.000e+00
O-76.1x5	7.610e+01	5.000e+00
O-96x4	9.600e+01	4.000e+00
O-101.6x4	1.016e+02	4.000e+00
O-108x4	1.080e+02	4.000e+00
O-88.9x5	8.890e+01	5.000e+00
O-76.1x6	7.610e+01	6.000e+00
O-114.3x4	1.143e+02	4.000e+00
O-96x5	9.600e+01	5.000e+00
O-101.6x5	1.016e+02	5.000e+00
O-127x4	1.270e+02	4.000e+00
O-88.9x6	8.890e+01	6.000e+00
O-108x5	1.080e+02	5.000e+00
O-133x4	1.330e+02	4.000e+00
O-96x6	9.600e+01	6.000e+00
O-139.7x4	1.397e+02	4.000e+00
O-114.3x5	1.143e+02	5.000e+00
O-88.9x7	8.890e+01	7.000e+00
O-101.6x6	1.016e+02	6.000e+00
O-152.4x4	1.524e+02	4.000e+00
O-127x5	1.270e+02	5.000e+00
O-108x6	1.080e+02	6.000e+00
O-159x4	1.590e+02	4.000e+00
O-96x7	9.600e+01	7.000e+00
O-133x5	1.330e+02	5.000e+00
O-88.9x8	8.890e+01	8.000e+00
O-114.3x6	1.143e+02	6.000e+00
O-168.3x4	1.683e+02	4.000e+00
O-101.6x7	1.016e+02	7.000e+00
O-139.7x5	1.397e+02	5.000e+00
O-177.8x4	1.778e+02	4.000e+00
O-127x6	1.270e+02	6.000e+00
O-152.4x5	1.524e+02	5.000e+00
O-101.6x8	1.016e+02	8.000e+00
O-114.3x7	1.143e+02	7.000e+00
O-133x6	1.330e+02	6.000e+00
O-159x5	1.590e+02	5.000e+00
O-139.7x6	1.397e+02	6.000e+00
O-168.3x5	1.683e+02	5.000e+00
O-127x7	1.270e+02	7.000e+00
O-114.3x8	1.143e+02	8.000e+00
O-177.8x5	1.778e+02	5.000e+00
O-152.4x6	1.524e+02	6.000e+00
O-159x6	1.590e+02	6.000e+00
O-139.7x7	1.397e+02	7.000e+00
O-193.7x5	1.937e+02	5.000e+00
O-114.3x9	1.143e+02	9.000e+00
O-127x8	1.270e+02	8.000e+00
O-168.3x6	1.683e+02	6.000e+00
O-152.4x7	1.524e+02	7.000e+00
O-177.8x6	1.778e+02	6.000e+00
O-114.3x10	1.143e+02	1.000e+01
O-139.7x8	1.397e+02	8.000e+00
O-127x9	1.270e+02	9.000e+00
O-159x7	1.590e+02	7.000e+00
O-219.1x5	2.191e+02	5.000e+00
O-193.7x6	1.937e+02	6.000e+00
O-168.3x7	1.683e+02	7.000e+00
O-152.4x8	1.524e+02	8.000e+00

O-38x4

Tubi circolari o tondi pieni

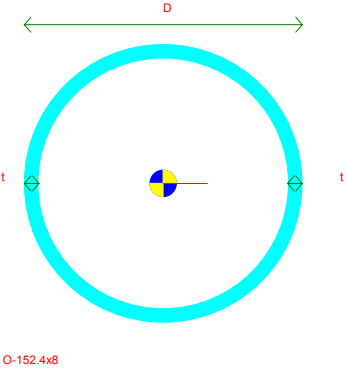
A = area [ mm^2 ]  
p = peso per unità di lunghezza (acciaio)[ N/ mm ]  
U = superficie di verniciatura [ mm ]  
J2 = momento di inerzia asse principale 2 [ mm^4 ]  
J3 = momento di inerzia asse principale 3 [ mm^4 ]  
i2 = raggio di inerzia di J2 [ mm ]  
i3 = raggio di inerzia di J3 [ mm ]  
W2 = modulo di resistenza elastico asse 2[ mm^3 ]  
W3 = modulo di resistenza elastico asse 3 [ mm^3 ]  
Jt = momento di inerzia torsionale [ mm^4 ]



	A	p	U	J2	J3	i2	i3	W2	W3	Jt
O-38x4	4.273e+02	3.290e-02	1.194e+02	6.259e+04	6.259e+04	1.210e+01	1.210e+01	3.294e+03	3.294e+03	1.252e+05
O-40x4	4.524e+02	3.484e-02	1.257e+02	7.419e+04	7.419e+04	1.281e+01	1.281e+01	3.710e+03	3.710e+03	1.484e+05
O-42.4x4	4.825e+02	3.716e-02	1.332e+02	8.991e+04	8.991e+04	1.365e+01	1.365e+01	4.241e+03	4.241e+03	1.798e+05
O-45x4	5.152e+02	3.968e-02	1.414e+02	1.093e+05	1.093e+05	1.456e+01	1.456e+01	4.857e+03	4.857e+03	2.186e+05
O-48.3x4	5.567e+02	4.287e-02	1.517e+02	1.377e+05	1.377e+05	1.573e+01	1.573e+01	5.701e+03	5.701e+03	2.754e+05
O-50x4	5.781e+02	4.451e-02	1.571e+02	1.541e+05	1.541e+05	1.632e+01	1.632e+01	6.162e+03	6.162e+03	3.081e+05
O-52x4	6.032e+02	4.645e-02	1.634e+02	1.749e+05	1.749e+05	1.703e+01	1.703e+01	6.728e+03	6.728e+03	3.498e+05
O-55x4	6.409e+02	4.935e-02	1.728e+02	2.096e+05	2.096e+05	1.809e+01	1.809e+01	7.624e+03	7.624e+03	4.193e+05
O-56x4	6.535e+02	5.032e-02	1.759e+02	2.222e+05	2.222e+05	1.844e+01	1.844e+01	7.935e+03	7.935e+03	4.443e+05
O-57x4	6.660e+02	5.129e-02	1.791e+02	2.352e+05	2.352e+05	1.879e+01	1.879e+01	8.252e+03	8.252e+03	4.704e+05
O-48.3x5	6.802e+02	5.238e-02	1.517e+02	1.615e+05	1.615e+05	1.541e+01	1.541e+01	6.689e+03	6.689e+03	3.231e+05
O-60.3x4	7.075e+02	5.448e-02	1.894e+02	2.817e+05	2.817e+05	1.996e+01	1.996e+01	9.344e+03	9.344e+03	5.635e+05
O-62x4	7.288e+02	5.613e-02	1.948e+02	3.079e+05	3.079e+05	2.055e+01	2.055e+01	9.934e+03	9.934e+03	6.159e+05
O-65x4	7.665e+02	5.903e-02	2.042e+02	3.581e+05	3.581e+05	2.161e+01	2.161e+01	1.102e+04	1.102e+04	7.161e+05
O-70x4	8.294e+02	6.387e-02	2.199e+02	4.533e+05	4.533e+05	2.338e+01	2.338e+01	1.295e+04	1.295e+04	9.065e+05
O-60.3x5	8.687e+02	6.689e-02	1.894e+02	3.348e+05	3.348e+05	1.963e+01	1.963e+01	1.110e+04	1.110e+04	6.695e+05
O-76.1x4	9.060e+02	6.977e-02	2.391e+02	5.906e+05	5.906e+05	2.553e+01	2.553e+01	1.552e+04	1.552e+04	1.181e+06
O-80x4	9.550e+02	7.355e-02	2.513e+02	6.915e+05	6.915e+05	2.691e+01	2.691e+01	1.729e+04	1.729e+04	1.383e+06
O-83x4	9.927e+02	7.645e-02	2.608e+02	7.764e+05	7.764e+05	2.797e+01	2.797e+01	1.871e+04	1.871e+04	1.553e+06
O-70x5	1.021e+03	7.863e-02	2.199e+02	5.424e+05	5.424e+05	2.305e+01	2.305e+01	1.550e+04	1.550e+04	1.085e+06
O-88.9x4	1.067e+03	8.216e-02	2.793e+02	9.634e+05	9.634e+05	3.005e+01	3.005e+01	2.167e+04	2.167e+04	1.927e+06
O-76.1x5	1.117e+03	8.601e-02	2.391e+02	7.092e+05	7.092e+05	2.520e+01	2.520e+01	1.864e+04	1.864e+04	1.418e+06
O-96x4	1.156e+03	8.903e-02	3.016e+02	1.225e+06	1.225e+06	3.256e+01	3.256e+01	2.553e+04	2.553e+04	2.451e+06
O-101.6x4	1.226e+03	9.445e-02	3.192e+02	1.463e+06	1.463e+06	3.454e+01	3.454e+01	2.880e+04	2.880e+04	2.926e+06
O-108x4	1.307e+03	1.006e-01	3.393e+02	1.770e+06	1.770e+06	3.680e+01	3.680e+01	3.277e+04	3.277e+04	3.539e+06
O-88.9x5	1.318e+03	1.015e-01	2.793e+02	1.164e+06	1.164e+06	2.972e+01	2.972e+01	2.618e+04	2.618e+04	2.327e+06
O-76.1x6	1.321e+03	1.018e-01	2.391e+02	8.176e+05	8.176e+05	2.487e+01	2.487e+01	2.149e+04	2.149e+04	1.635e+06
O-114.3x4	1.386e+03	1.067e-01	3.591e+02	2.111e+06	2.111e+06	3.902e+01	3.902e+01	3.693e+04	3.693e+04	4.221e+06
O-96x5	1.429e+03	1.101e-01	3.016e+02	1.484e+06	1.484e+06	3.222e+01	3.222e+01	3.092e+04	3.092e+04	2.968e+06
O-101.6x5	1.517e+03	1.169e-01	3.192e+02	1.775e+06	1.775e+06	3.420e+01	3.420e+01	3.493e+04	3.493e+04	3.549e+06
O-127x4	1.546e+03	1.190e-01	3.990e+02	2.926e+06	2.926e+06	4.351e+01	4.351e+01	4.608e+04	4.608e+04	5.852e+06
O-88.9x6	1.563e+03	1.203e-01	2.793e+02	1.349e+06	1.349e+06	2.939e+01	2.939e+01	3.036e+04	3.036e+04	2.699e+06
O-108x5	1.618e+03	1.246e-01	3.393e+02	2.151e+06	2.151e+06	3.646e+01	3.646e+01	3.983e+04	3.983e+04	4.301e+06
O-133x4	1.621e+03	1.248e-01	4.178e+02	3.375e+06	3.375e+06	4.563e+01	4.563e+01	5.076e+04	5.076e+04	6.751e+06
O-96x6	1.696e+03	1.306e-01	3.016e+02	1.725e+06	1.725e+06	3.189e+01	3.189e+01	3.594e+04	3.594e+04	3.451e+06
O-139.7x4	1.705e+03	1.313e-01	4.389e+02	3.929e+06	3.929e+06	4.800e+01	4.800e+01	5.624e+04	5.624e+04	7.857e+06
O-114.3x5	1.717e+03	1.322e-01	3.591e+02	2.569e+06	2.569e+06	3.868e+01	3.868e+01	4.496e+04	4.496e+04	5.138e+06
O-88.9x7	1.801e+03	1.387e-01	2.793e+02	1.521e+06	1.521e+06	2.906e+01	2.906e+01	3.422e+04	3.422e+04	3.042e+06
O-101.6x6	1.802e+03	1.388e-01	3.192e+02	2.067e+06	2.067e+06	3.387e+01	3.387e+01	4.068e+04	4.068e+04	4.134e+06
O-152.4x4	1.865e+03	1.436e-01	4.788e+02	5.137e+06	5.137e+06	5.249e+01	5.249e+01	6.742e+04	6.742e+04	1.027e+07
O-127x5	1.916e+03	1.476e-01	3.990e+02	3.571e+06	3.571e+06	4.317e+01	4.317e+01	5.624e+04	5.624e+04	7.143e+06
O-108x6	1.923e+03	1.481e-01	3.393e+02	2.509e+06	2.509e+06	3.612e+01	3.612e+01	4.646e+04	4.646e+04	5.018e+06
O-159x4	1.948e+03	1.500e-01	4.995e+02	5.853e+06	5.853e+06	5.482e+01	5.482e+01	7.363e+04	7.363e+04	1.171e+07
O-96x7	1.957e+03	1.507e-01	3.016e+02	1.950e+06	1.950e+06	3.156e+01	3.156e+01	4.062e+04	4.062e+04	3.900e+06
O-133x5	2.011e+03	1.548e-01	4.178e+02	4.124e+06	4.124e+06	4.529e+01	4.529e+01	6.202e+04	6.202e+04	8.248e+06
O-88.9x8	2.033e+03	1.566e-01	2.793e+02	1.680e+06	1.680e+06	2.874e+01	2.874e+01	3.779e+04	3.779e+04	3.359e+06
O-114.3x6	2.041e+03	1.572e-01	3.591e+02	3.002e+06	3.002e+06	3.835e+01	3.835e+01	5.253e+04	5.253e+04	6.004e+06
O-168.3x4	2.065e+03	1.590e-01	5.287e+02	6.971e+06	6.971e+06	5.811e+01	5.811e+01	8.284e+04	8.284e+04	1.394e+07
O-101.6x7	2.080e+03	1.602e-01	3.192e+02	2.340e+06	2.340e+06	3.354e+01	3.354e+01	4.606e+04	4.606e+04	4.680e+06
O-139.7x5	2.116e+03	1.629e-01	4.389e+02	4.805e+06	4.805e+06	4.766e+01	4.766e+01	6.880e+04	6.880e+04	9.611e+06
O-177.8x4	2.184e+03	1.682e-01	5.586e+02	8.251e+06	8.251e+06	6.146e+01	6.146e+01	9.281e+04	9.281e+04	1.650e+07
O-127x6	2.281e+03	1.756e-01	3.990e+02	4.184e+06	4.184e+06	4.283e+01	4.283e+01	6.590e+04	6.590e+04	8.369e+06
O-152.4x5	2.315e+03	1.783e-01	4.788e+02	6.295e+06	6.295e+06	5.214e+01	5.214e+01	8.262e+04	8.262e+04	1.259e+07
O-101.6x8	2.352e+03	1.812e-01	3.192e+02	2.595e+06	2.595e+06	3.321e+01	3.321e+01	5.108e+04	5.108e+04	5.190e+06
O-114.3x7	2.360e+03	1.817e-01	3.591e+02	3.410e+06	3.410e+06	3.802e+01	3.802e+01	5.967e+04	5.967e+04	6.821e+06
O-133x6	2.394e+03	1.844e-01	4.178e+02	4.837e+06	4.837e+06	4.495e+01	4.495e+01	7.274e+04	7.274e+04	9.674e+06
O-159x5	2.419e+03	1.863e-01	4.995e+02	7.179e+06	7.179e+06	5.448e+01	5.448e+01	9.030e+04	9.030e+04	1.436e+07
O-139.7x6	2.520e+03	1.941e-01	4.389e+02	5.643e+06	5.643e+06	4.732e+01	4.732e+01	8.078e+04	8.078e+04	1.129e+07
O-168.3x5	2.565e+03	1.975e-01	5.287e+02	8.558e+06	8.558e+06	5.776e+01	5.776e+01	1.017e+05	1.017e+05	1.712e+07
O-127x7	2.639e+03	2.032e-01	3.990e+02	4.766e+06	4.766e+06	4.250e+01	4.250e+01	7.506e+04	7.506e+04	9.533e+06
O-114.3x8	2.672e+03	2.057e-01	3.591e+02	3.795e+06	3.795e+06	3.769e+01	3.769e+01	6.640e+04	6.640e+04	7.590e+06
O-177.8x5	2.714e+03	2.090e-01	5.586e+02	1.014e+07	1.014e+07	6.112e+01	6.112e+01	1.141e+05	1.141e+05	2.028e+07
O-152.4x6	2.760e+03	2.125e-01	4.788e+02	7.406e+06	7.406e+06	5.180e+01	5.180e+01	9.719e+04	9.719e+04	1.481e+07
O-159x6	2.884e+03	2.221e-01	4.995e+02							

# Tubi circolari o tondi pieni

D = diametro esterno[ mm ]  
t = spessore [ mm ]

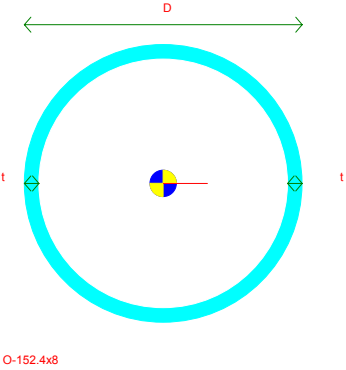


Nome	D	t
O-152.4x8	1.524e+02	8.000e+00
O-127x10	1.270e+02	1.000e+01
O-139.7x9	1.397e+02	9.000e+00
O-177.8x7	1.778e+02	7.000e+00
O-159x8	1.590e+02	8.000e+00
O-219.1x6	2.191e+02	6.000e+00
O-168.3x8	1.683e+02	8.000e+00
O-152.4x9	1.524e+02	9.000e+00
O-139.7x10	1.397e+02	1.000e+01
O-193.7x7	1.937e+02	7.000e+00
O-159x9	1.590e+02	9.000e+00
O-177.8x8	1.778e+02	8.000e+00
O-152.4x10	1.524e+02	1.000e+01
O-244.5x6	2.445e+02	6.000e+00
O-168.3x9	1.683e+02	9.000e+00
O-219.1x7	2.191e+02	7.000e+00
O-193.7x8	1.937e+02	8.000e+00
O-159x10	1.590e+02	1.000e+01
O-177.8x9	1.778e+02	9.000e+00
O-168.3x10	1.683e+02	1.000e+01
O-193.7x9	1.937e+02	9.000e+00
O-244.5x7	2.445e+02	7.000e+00
O-177.8x10	1.778e+02	1.000e+01
O-219.1x8	2.191e+02	8.000e+00
O-193.7x10	1.937e+02	1.000e+01
O-273x7	2.730e+02	7.000e+00
O-219.1x9	2.191e+02	9.000e+00
O-244.5x8	2.445e+02	8.000e+00
O-219.1x10	2.191e+02	1.000e+01
O-244.5x9	2.445e+02	9.000e+00
O-273x8	2.730e+02	8.000e+00
O-244.5x10	2.445e+02	1.000e+01
O-273x9	2.730e+02	9.000e+00
O-323.9x8	3.239e+02	8.000e+00
O-273x10	2.730e+02	1.000e+01
O-339.7x8	3.397e+02	8.000e+00
O-355.6x8	3.556e+02	8.000e+00
O-323.9x9	3.239e+02	9.000e+00
O-339.7x9	3.397e+02	9.000e+00
O-355.6x9	3.556e+02	9.000e+00
O-323.9x10	3.239e+02	1.000e+01
O-339.7x10	3.397e+02	1.000e+01
O-355.6x10	3.556e+02	1.000e+01
O-406.4x10	4.064e+02	1.000e+01

O-152.4x8

Tubi circolari o tondi pieni

A = area [ mm^2 ]  
p = peso per unità di lunghezza (acciaio)[ N/ mm ]  
U = superficie di verniciatura [ mm ]  
J2 = momento di inerzia asse principale 2 [ mm^4 ]  
J3 = momento di inerzia asse principale 3 [ mm^4 ]  
i2 = raggio di inerzia di J2 [ mm ]  
i3 = raggio di inerzia di J3 [ mm ]  
W2 = modulo di resistenza elastico asse 2[ mm^3 ]  
W3 = modulo di resistenza elastico asse 3 [ mm^3 ]  
Jt = momento di inerzia torsionale [ mm^4 ]



Nome	A	p	U	J2	J3	i2	i3	W2	W3	Jt
O-152.4x8	3.629e+03	2.795e-01	4.788e+02	9.488e+06	9.488e+06	5.113e+01	5.113e+01	1.245e+05	1.245e+05	1.898e+07
O-127x10	3.676e+03	2.831e-01	3.990e+02	6.335e+06	6.335e+06	4.152e+01	4.152e+01	9.977e+04	9.977e+04	1.267e+07
O-139.7x9	3.695e+03	2.846e-01	4.389e+02	7.928e+06	7.928e+06	4.632e+01	4.632e+01	1.135e+05	1.135e+05	1.586e+07
O-177.8x7	3.756e+03	2.893e-01	5.586e+02	1.372e+07	1.372e+07	6.044e+01	6.044e+01	1.543e+05	1.543e+05	2.744e+07
O-159x8	3.795e+03	2.923e-01	4.995e+02	1.085e+07	1.085e+07	5.346e+01	5.346e+01	1.364e+05	1.364e+05	2.169e+07
O-219.1x6	4.017e+03	3.093e-01	6.883e+02	2.282e+07	2.282e+07	7.537e+01	7.537e+01	2.083e+05	2.083e+05	4.564e+07
O-168.3x8	4.029e+03	3.103e-01	5.287e+02	1.297e+07	1.297e+07	5.675e+01	5.675e+01	1.542e+05	1.542e+05	2.595e+07
O-152.4x9	4.055e+03	3.122e-01	4.788e+02	1.046e+07	1.046e+07	5.080e+01	5.080e+01	1.373e+05	1.373e+05	2.093e+07
O-139.7x10	4.075e+03	3.138e-01	4.389e+02	8.619e+06	8.619e+06	4.599e+01	4.599e+01	1.234e+05	1.234e+05	1.724e+07
O-193.7x7	4.106e+03	3.162e-01	6.085e+02	1.791e+07	1.791e+07	6.605e+01	6.605e+01	1.850e+05	1.850e+05	3.583e+07
O-159x9	4.241e+03	3.266e-01	4.995e+02	1.197e+07	1.197e+07	5.313e+01	5.313e+01	1.506e+05	1.506e+05	2.394e+07
O-177.8x8	4.268e+03	3.286e-01	5.586e+02	1.541e+07	1.541e+07	6.010e+01	6.010e+01	1.734e+05	1.734e+05	3.083e+07
O-152.4x10	4.474e+03	3.445e-01	4.788e+02	1.140e+07	1.140e+07	5.047e+01	5.047e+01	1.495e+05	1.495e+05	2.279e+07
O-244.5x6	4.496e+03	3.462e-01	7.681e+02	3.199e+07	3.199e+07	8.435e+01	8.435e+01	2.616e+05	2.616e+05	6.397e+07
O-168.3x9	4.504e+03	3.469e-01	5.287e+02	1.433e+07	1.433e+07	5.641e+01	5.641e+01	1.703e+05	1.703e+05	2.867e+07
O-219.1x7	4.664e+03	3.592e-01	6.883e+02	2.626e+07	2.626e+07	7.503e+01	7.503e+01	2.397e+05	2.397e+05	5.251e+07
O-193.7x8	4.667e+03	3.594e-01	6.085e+02	2.016e+07	2.016e+07	6.572e+01	6.572e+01	2.081e+05	2.081e+05	4.031e+07
O-159x10	4.681e+03	3.605e-01	4.995e+02	1.305e+07	1.305e+07	5.280e+01	5.280e+01	1.641e+05	1.641e+05	2.610e+07
O-177.8x9	4.773e+03	3.675e-01	5.586e+02	1.705e+07	1.705e+07	5.976e+01	5.976e+01	1.918e+05	1.918e+05	3.409e+07
O-168.3x10	4.973e+03	3.830e-01	5.287e+02	1.564e+07	1.564e+07	5.608e+01	5.608e+01	1.859e+05	1.859e+05	3.128e+07
O-193.7x9	5.222e+03	4.022e-01	6.085e+02	2.232e+07	2.232e+07	6.538e+01	6.538e+01	2.305e+05	2.305e+05	4.464e+07
O-244.5x7	5.223e+03	4.022e-01	7.681e+02	3.686e+07	3.686e+07	8.401e+01	8.401e+01	3.015e+05	3.015e+05	7.372e+07
O-177.8x10	5.272e+03	4.060e-01	5.586e+02	1.862e+07	1.862e+07	5.943e+01	5.943e+01	2.094e+05	2.094e+05	3.724e+07
O-219.1x8	5.306e+03	4.086e-01	6.883e+02	2.960e+07	2.960e+07	7.469e+01	7.469e+01	2.702e+05	2.702e+05	5.919e+07
O-193.7x10	5.771e+03	4.444e-01	6.085e+02	2.442e+07	2.442e+07	6.504e+01	6.504e+01	2.521e+05	2.521e+05	4.883e+07
O-273x7	5.850e+03	4.505e-01	8.577e+02	5.177e+07	5.177e+07	9.408e+01	9.408e+01	3.793e+05	3.793e+05	1.035e+08
O-219.1x9	5.940e+03	4.575e-01	6.883e+02	3.284e+07	3.284e+07	7.435e+01	7.435e+01	2.998e+05	2.998e+05	6.568e+07
O-244.5x8	5.944e+03	4.577e-01	7.681e+02	4.160e+07	4.160e+07	8.366e+01	8.366e+01	3.403e+05	3.403e+05	8.321e+07
O-219.1x10	6.569e+03	5.059e-01	6.883e+02	3.598e+07	3.598e+07	7.401e+01	7.401e+01	3.285e+05	3.285e+05	7.197e+07
O-244.5x9	6.659e+03	5.128e-01	7.681e+02	4.623e+07	4.623e+07	8.332e+01	8.332e+01	3.781e+05	3.781e+05	9.246e+07
O-273x8	6.660e+03	5.129e-01	8.577e+02	5.852e+07	5.852e+07	9.373e+01	9.373e+01	4.287e+05	4.287e+05	1.170e+08
O-244.5x10	7.367e+03	5.673e-01	7.681e+02	5.073e+07	5.073e+07	8.298e+01	8.298e+01	4.150e+05	4.150e+05	1.015e+08
O-273x9	7.464e+03	5.748e-01	8.577e+02	6.511e+07	6.511e+07	9.339e+01	9.339e+01	4.770e+05	4.770e+05	1.302e+08
O-323.9x8	7.939e+03	6.114e-01	1.018e+03	9.910e+07	9.910e+07	1.117e+02	1.117e+02	6.119e+05	6.119e+05	1.982e+08
O-273x10	8.262e+03	6.363e-01	8.577e+02	7.154e+07	7.154e+07	9.305e+01	9.305e+01	5.241e+05	5.241e+05	1.431e+08
O-339.7x8	8.337e+03	6.420e-01	1.067e+03	1.147e+08	1.147e+08	1.173e+02	1.173e+02	6.754e+05	6.754e+05	2.294e+08
O-355.6x8	8.736e+03	6.728e-01	1.117e+03	1.320e+08	1.320e+08	1.229e+02	1.229e+02	7.425e+05	7.425e+05	2.640e+08
O-323.9x9	8.904e+03	6.857e-01	1.018e+03	1.105e+08	1.105e+08	1.114e+02	1.114e+02	6.820e+05	6.820e+05	2.209e+08
O-339.7x9	9.350e+03	7.201e-01	1.067e+03	1.279e+08	1.279e+08	1.170e+02	1.170e+02	7.531e+05	7.531e+05	2.558e+08
O-355.6x9	9.800e+03	7.547e-01	1.117e+03	1.473e+08	1.473e+08	1.226e+02	1.226e+02	8.282e+05	8.282e+05	2.945e+08
O-323.9x10	9.861e+03	7.594e-01	1.018e+03	1.216e+08	1.216e+08	1.110e+02	1.110e+02	7.507e+05	7.507e+05	2.432e+08
O-339.7x10	1.036e+04	7.976e-01	1.067e+03	1.409e+08	1.409e+08	1.166e+02	1.166e+02	8.294e+05	8.294e+05	2.817e+08
O-355.6x10	1.086e+04	8.361e-01	1.117e+03	1.622e+08	1.622e+08	1.222e+02	1.222e+02	9.125e+05	9.125e+05	3.245e+08
O-406.4x10	1.245e+04	9.590e-01	1.277e+03	2.448e+08	2.448e+08	1.402e+02	1.402e+02	1.205e+06	1.205e+06	4.895e+08