

Source constraints		
SO(3) irreps	Fundamental fields	Multiplicities
$\tau_{0+}^{\#2} == 0$	$\partial_\beta \partial_\alpha \tau^{\alpha\beta} == 0$	1
$\tau_{0+}^{\#1} - 2 \, i \, k \, \sigma_{0+}^{\#1} == 0$	$\partial_\beta \partial_\alpha \tau^{\alpha\beta} == \partial_\beta \partial^\beta \tau^\alpha_\alpha + 2 \, \partial_\chi \partial^\chi \partial_\beta \sigma^{\alpha\beta}_\alpha$	1
$\tau_{1-}^{\#2\alpha} + 2 \, i \, k \, \sigma_{1-}^{\#2\alpha} == 0$	$\partial_\chi \partial_\beta \partial^\alpha \tau^{\beta\chi} == \partial_\chi \partial^\chi \partial_\beta \tau^{\alpha\beta} + 2 \, \partial_\phi \partial^\phi \partial_\chi \partial_\beta \sigma^{\alpha\beta\chi}$	3
$\tau_{1-}^{\#1\alpha} == 0$	$\partial_\chi \partial_\beta \partial^\alpha \tau^{\beta\chi} == \partial_\chi \partial^\chi \partial_\beta \tau^{\beta\alpha}$	3
$\tau_{1+}^{\#1\alpha\beta} + i \, k \, \sigma_{1+}^{\#2\alpha\beta} == 0$	$\partial_\chi \partial^\alpha \tau^{\beta\chi} + \partial_\chi \partial^\beta \tau^{\chi\alpha} + \partial_\chi \partial^\chi \tau^{\alpha\beta} +$ $2 \, \partial_\phi \partial_\chi \partial^\alpha \sigma^{\beta\chi\phi} + 2 \, \partial_\phi \partial^\phi \partial_\chi \sigma^{\alpha\beta\chi} ==$ $\partial_\chi \partial^\alpha \tau^{\chi\beta} + \partial_\chi \partial^\beta \tau^{\alpha\chi} +$ $\partial_\chi \partial^\chi \tau^{\beta\alpha} + 2 \, \partial_\phi \partial_\chi \partial^\beta \sigma^{\alpha\chi\phi}$	3
$\sigma_2^{\#1\alpha\beta\chi} == 0$	$3 \, \partial_\epsilon \partial_\phi \partial^\chi \partial^\alpha \sigma^{\beta\phi\epsilon} + 3 \, \partial_\epsilon \partial^\epsilon \partial^\chi \partial^\alpha \sigma^{\beta\phi}_\delta +$ $2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\beta \sigma^{\alpha\chi\phi} + 4 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\beta \sigma^{\alpha\phi\chi} +$ $2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\beta \sigma^{\chi\phi\alpha} + 4 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\chi \sigma^{\alpha\beta\phi} +$ $2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\chi \sigma^{\alpha\phi\beta} + 2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\phi \sigma^{\beta\chi\alpha} +$ $3 \, \eta^{\beta\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial^\alpha \sigma^{\phi\epsilon}_\delta +$ $3 \, \eta^{\alpha\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial^\alpha \sigma^{\beta\phi\epsilon} +$ $3 \, \eta^{\beta\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial^\epsilon \sigma^{\alpha\phi}_\delta ==$ $3 \, \partial_\epsilon \partial_\phi \partial^\chi \partial^\beta \sigma^{\alpha\phi\epsilon} + 3 \, \partial_\epsilon \partial^\epsilon \partial^\chi \partial^\beta \sigma^{\alpha\phi}_\delta +$ $2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\alpha \sigma^{\beta\chi\phi} + 4 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\alpha \sigma^{\beta\phi\chi} +$ $2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\alpha \sigma^{\chi\phi\beta} + 2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\chi \sigma^{\beta\phi\alpha} +$ $4 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\phi \sigma^{\alpha\beta\chi} + 2 \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\phi \sigma^{\alpha\chi\beta} +$ $3 \, \eta^{\alpha\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial^\beta \sigma^{\phi\epsilon}_\delta +$ $3 \, \eta^{\beta\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial_\phi \sigma^{\alpha\phi\epsilon} +$ $3 \, \eta^{\alpha\chi} \, \partial_\phi \partial^\phi \partial_\epsilon \partial^\epsilon \sigma^{\beta\phi}_\delta$	5
$\tau_{2+}^{\#1\alpha\beta} == 0$	$4 \, \partial_\phi \partial_\chi \partial^\beta \partial^\alpha \tau^{\chi\phi} + 2 \, \partial_\phi \partial^\phi \partial_\beta \partial^\alpha \tau^\chi_\chi +$ $3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\alpha \tau^{\beta\chi} + 3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\alpha \tau^{\beta\alpha} +$ $2 \, \eta^{\alpha\beta} \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial_\chi \tau^{\chi\phi} ==$ $3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\alpha \tau^{\beta\chi} + 3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\alpha \tau^{\chi\beta} +$ $3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\beta \tau^{\alpha\chi} + 3 \, \partial_\phi \partial^\phi \partial_\chi \partial^\beta \tau^{\chi\alpha} +$ $2 \, \eta^{\alpha\beta} \, \partial_\epsilon \partial^\epsilon \partial_\phi \partial^\phi \tau^\chi_\chi$	5
Total constraints/gauge generators:		21