Table (top-left):

	$\sigma^{\#1}_{2^+\alpha\beta}$	$\tau^{\#1}_{2^+\alpha\beta}$	$\sigma^{\#1}_{2^-\alpha\beta\chi}$
$\sigma^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$\dfrac{2}{(1+2k^2)^2 t_1}$	$-\dfrac{2i\sqrt{2}\,k}{(1+2k^2)^2 t_1}$	0
$\tau^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$\dfrac{2i\sqrt{2}\,k}{(1+2k^2)^2 t_1}$	$\dfrac{4k^2}{(1+2k^2)^2 t_1}$	0
$\sigma^{\#1}_{2^-}{}^{\dagger\alpha\beta\chi}$	0	0	$\dfrac{2}{t_1}$

Table (top, 0^+ / 0^- ω, f):

	$\omega^{\#1}_{0^+}$	$f^{\#1}_{0^+}$	$f^{\#2}_{0^+}$	$\omega^{\#1}_{0^-}$
$\omega^{\#1}_{0^+}{}^{\dagger}$	t_3	$-i\sqrt{2}\,k t_3$	0	0
$f^{\#1}_{0^+}{}^{\dagger}$	$i\sqrt{2}\,k t_3$	$2k^2 t_3$	0	0
$f^{\#2}_{0^+}{}^{\dagger}$	0	0	0	0
$\omega^{\#1}_{0^-}{}^{\dagger}$	0	0	0	$k^2 r_2 + t_2$

Source constraints table:

Source constraints	#	1	1	3	3	3	5	16
SO(3) irreps		$\tau^{\#2}_{0^+} == 0$	$\tau^{\#1}_{0^+} - 2ik\,\sigma^{\#1}_{0^+} == 0$	$\tau^{\#2\alpha}_{1^-} + 2ik\,\sigma^{\#2\alpha}_{1^-} == 0$	$\tau^{\#1\alpha}_{1^-} == 0$	$\tau^{\#1\alpha\beta}_{1^+} + ik\,\sigma^{\#2\alpha\beta}_{1^+} == 0$	$\tau^{\#1\alpha\beta}_{2^+} - 2ik\,\sigma^{\#1\alpha\beta}_{2^+} == 0$	Total #:

Table (0^+ / 0^- σ, τ):

	$\sigma^{\#1}_{0^+}$	$\tau^{\#1}_{0^+}$	$\tau^{\#2}_{0^+}$	$\sigma^{\#1}_{0^-}$
$\sigma^{\#1}_{0^+}{}^{\dagger}$	$\dfrac{1}{(1+2k^2)^2 t_3}$	$-\dfrac{i\sqrt{2}\,k}{(1+2k^2)^2 t_3}$	0	0
$\tau^{\#1}_{0^+}{}^{\dagger}$	$\dfrac{i\sqrt{2}\,k}{(1+2k^2)^2 t_3}$	$\dfrac{2k^2}{(1+2k^2)^2 t_3}$	0	0
$\tau^{\#2}_{0^+}{}^{\dagger}$	0	0	0	0
$\sigma^{\#1}_{0^-}{}^{\dagger}$	0	0	0	$\dfrac{1}{k^2 r_2 + t_2}$

Table (2^+ / 2^- ω, f):

	$\omega^{\#1}_{2^+\alpha\beta}$	$f^{\#1}_{2^+\alpha\beta}$	$\omega^{\#1}_{2^-\alpha\beta\chi}$
$\omega^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$\dfrac{t_1}{2}$	$-\dfrac{ik t_1}{\sqrt{2}}$	0
$f^{\#1}_{2^+}{}^{\dagger\alpha\beta}$	$\dfrac{ik t_1}{\sqrt{2}}$	$k^2 t_1$	0
$\omega^{\#1}_{2^-}{}^{\dagger\alpha\beta\chi}$	0	0	$\dfrac{t_1}{2}$

Large table (1^+ / 1^- ω, f):

	$\omega^{\#1}_{1^+\alpha\beta}$	$\omega^{\#2}_{1^+\alpha\beta}$	$f^{\#1}_{1^+\alpha\beta}$	$\omega^{\#1}_{1^-\alpha}$	$\omega^{\#2}_{1^-\alpha}$	$f^{\#1}_{1^-\alpha}$	$f^{\#2}_{1^-\alpha}$
$\omega^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{1}{6}(t_1+4t_2)$	$-\dfrac{t_1-2t_2}{3\sqrt{2}}$	$-\dfrac{ik(t_1-2t_2)}{3\sqrt{2}}$	0	0	0	0
$\omega^{\#2}_{1^+}{}^{\dagger\alpha\beta}$	$-\dfrac{t_1-2t_2}{3\sqrt{2}}$	$\dfrac{t_1+t_2}{3}$	$\frac{1}{3}ik(t_1+t_2)$	0	0	0	0
$f^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\dfrac{ik(t_1-2t_2)}{3\sqrt{2}}$	$-\frac{1}{3}ik(t_1+t_2)$	$\frac{1}{3}k^2(t_1+t_2)$	0	0	0	0
$\omega^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	$\frac{1}{6}(t_1+4t_3)$	$\dfrac{t_1-2t_3}{3\sqrt{2}}$	0	$\frac{1}{3}ik(t_1-2t_3)$
$\omega^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	$\dfrac{t_1-2t_3}{3\sqrt{2}}$	$\dfrac{t_1+t_3}{3}$	0	$\frac{1}{3}i\sqrt{2}\,k(t_1+t_3)$
$f^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0	0	0	0	0	0
$f^{\#2}_{1^-}{}^{\dagger\alpha}$	0	0	0	$-\frac{1}{3}ik(t_1-2t_3)$	$-\frac{1}{3}i\sqrt{2}\,k(t_1+t_3)$	0	$\frac{2}{3}k^2(t_1+t_3)$

Large table (right, 1^+ / 1^- σ, τ):

	$\sigma^{\#1}_{1^+\alpha\beta}{}^{\dagger}$	$\sigma^{\#2}_{1^+\alpha\beta}{}^{\dagger}$	$\tau^{\#1}_{1^+\alpha\beta}{}^{\dagger}$	$\sigma^{\#1}_{1^-}{}^{\dagger\alpha}$	$\sigma^{\#2}_{1^-}{}^{\dagger\alpha}$	$\tau^{\#1}_{1^-}{}^{\dagger\alpha}$	$\tau^{\#2}_{1^-}{}^{\dagger\alpha}$
$\tau^{\#2}_{1^-}{}^{\alpha}$	0	0	0	$-\dfrac{2ik t_1-4ik t_3}{3t_1 t_3+6k^2 t_1 t_3}$	$\dfrac{i\sqrt{2}\,k(t_1+4t_3)}{3(1+2k^2)^2 t_1 t_3}$	0	$\dfrac{2k^2(t_1+4t_3)}{3(1+2k^2)^2 t_1 t_3}$
$\tau^{\#1}_{1^-}{}^{\alpha}$	0	0	0	0	0	0	0
$\sigma^{\#2}_{1^-}{}^{\alpha}$	0	0	0	$-\dfrac{\sqrt{2}(t_1-2t_3)}{3(1+2k^2)^2 t_1 t_3}$	$\dfrac{t_1+4t_3}{3(1+2k^2)^2 t_1 t_3}$	0	$-\dfrac{i\sqrt{2}\,k(t_1+4t_3)}{3(1+2k^2)^2 t_1 t_3}$
$\sigma^{\#1}_{1^-}{}^{\alpha}$	0	0	0	$\dfrac{2(t_1+t_3)}{3t_1 t_3}$	$-\dfrac{\sqrt{2}(t_1-2t_3)}{3(1+2k^2)^2 t_1 t_3}$	0	$-\dfrac{2ik t_1-4ik t_3}{3t_1 t_3+6k^2 t_1 t_3}$
$\tau^{\#1}_{1^+\alpha\beta}$	$\dfrac{i\sqrt{2}\,k(t_1-2t_2)}{3(1+k^2)t_1 t_2}$	$\dfrac{ik(t_1+4t_2)}{3(1+k^2)^2 t_1 t_2}$	$\dfrac{k^2(t_1+4t_2)}{3(1+k^2)^2 t_1 t_2}$	0	0	0	0
$\sigma^{\#2}_{1^+\alpha\beta}$	$\dfrac{\sqrt{2}(t_1-2t_2)}{3(1+k^2)t_1 t_2}$	$\dfrac{t_1+4t_2}{3(1+k^2)^2 t_1 t_2}$	$-\dfrac{ik(t_1+4t_2)}{3(1+k^2)^2 t_1 t_2}$	0	0	0	0
$\sigma^{\#1}_{1^+\alpha\beta}$	$\dfrac{2(t_1+t_2)}{3t_1 t_2}$	$\dfrac{\sqrt{2}(t_1-2t_2)}{3(1+k^2)t_1 t_2}$	$-\dfrac{i\sqrt{2}\,k(t_1-2t_2)}{3(1+k^2)t_1 t_2}$	0	0	0	0

Lagrangian density (rotated text block)

Massive particle box:

Massive particle	
Pole residue:	$-\dfrac{1}{r_2} > 0$
Polarisations:	1
Square mass:	$-\dfrac{t_2}{r_2} > 0$
Spin:	0
Parity:	Odd

$J^P = 0^-$, $\overrightarrow{k^\mu}$

Unitarity conditions: $r_2 < 0$ && $t_2 > 0$

(No massless particles)