



Part	Qnt.	Material	Process
Hub	1	Steel	Forging, machining
Hub Carrier	1	Aluminum	Casting, machining
Rim	1	Aluminum	Casting, flow forming
Control arm	1	Al A357 T6	Casting, machining
Brake disk	1	Steel	/
Tyre	1	Rubber	/
Tyre bead	2	Steel	/
Hub bearing	1	Steel	/
ISO 10511 NUT M20	1	Steel	/
ISO 7089 WASHER 20x37	1	Steel	/
ISO 10642 SCREW M8x16	2	Steel	/
M12 wheel screw	5	Steel	/
Rim central cap	1	Polymeric	/
Steering rod assembly	1	Steel	/
Anti-roll bar	1	Steel	/
CV joint	1	Steel, Rubber	/
Bushing	2	Steel, Rubber	/
Shock absorber assembly	1	Steel, Rubber	/
ISO 4014 BOLT M16x65	2	Steel	/
ISO 7089 WASHER 16x30	4	Steel	/
ISO 4032 NUT M16	2	Steel	/
Internal seeger 62761	1	Steel	/
Ball joint assembly	2	Steel, Teflon	/
ISO 4034 NUT M10	2	Steel	/
ISO 7089 WASHER 10x20	2	Steel	/

Road and Off-road Vehicle Design

MODEL NAME: Suspension Assembly	DESIGNED BY: Mel Gianluca Nardon Pietro Ruganti Cristiano	
DRAWING TITLE: Suspension Assembly	APPROVED BY:	
DATE: 29/01/2025	SHEET SIZE: A0	
SCALE: 1:1		