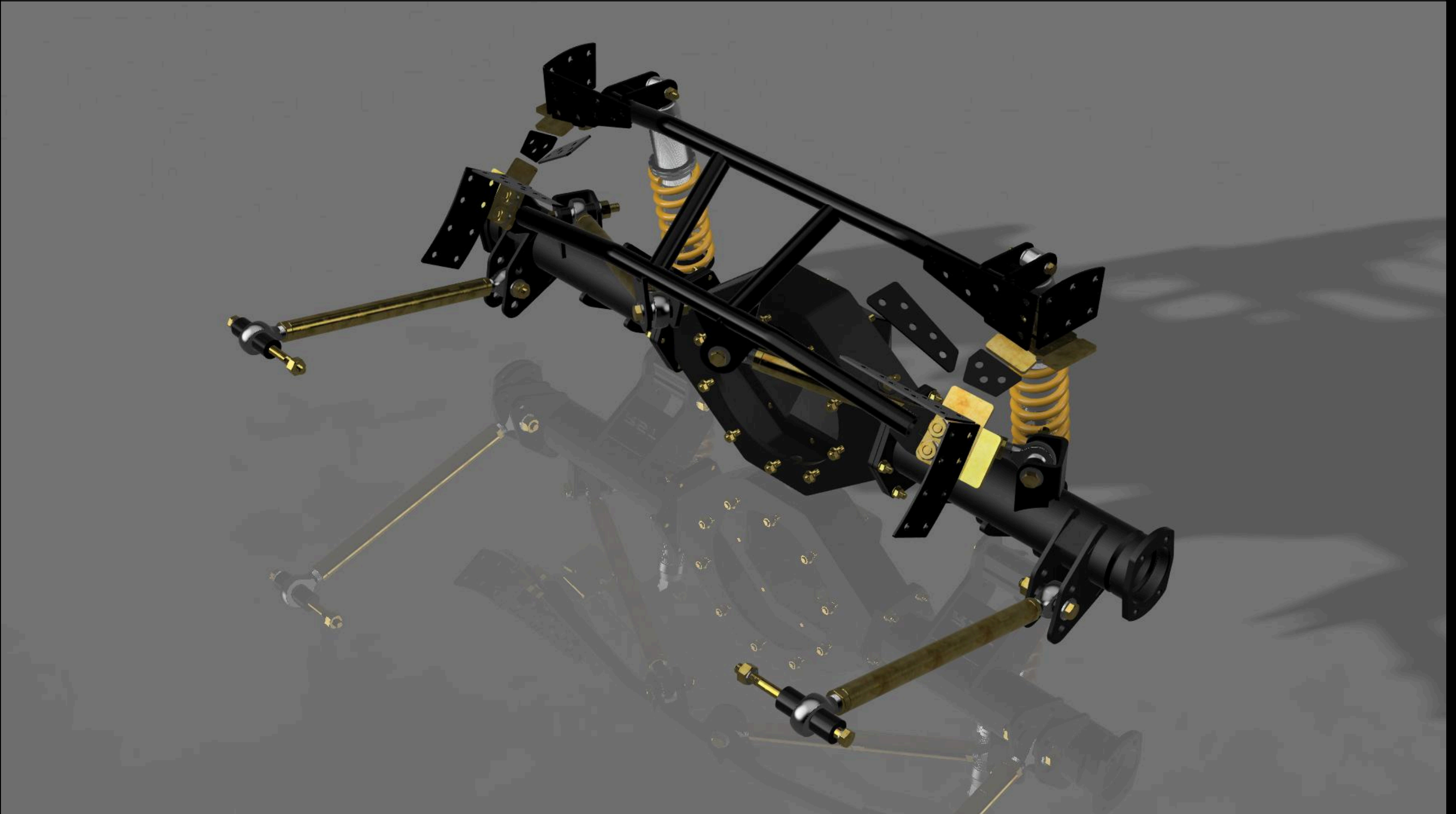




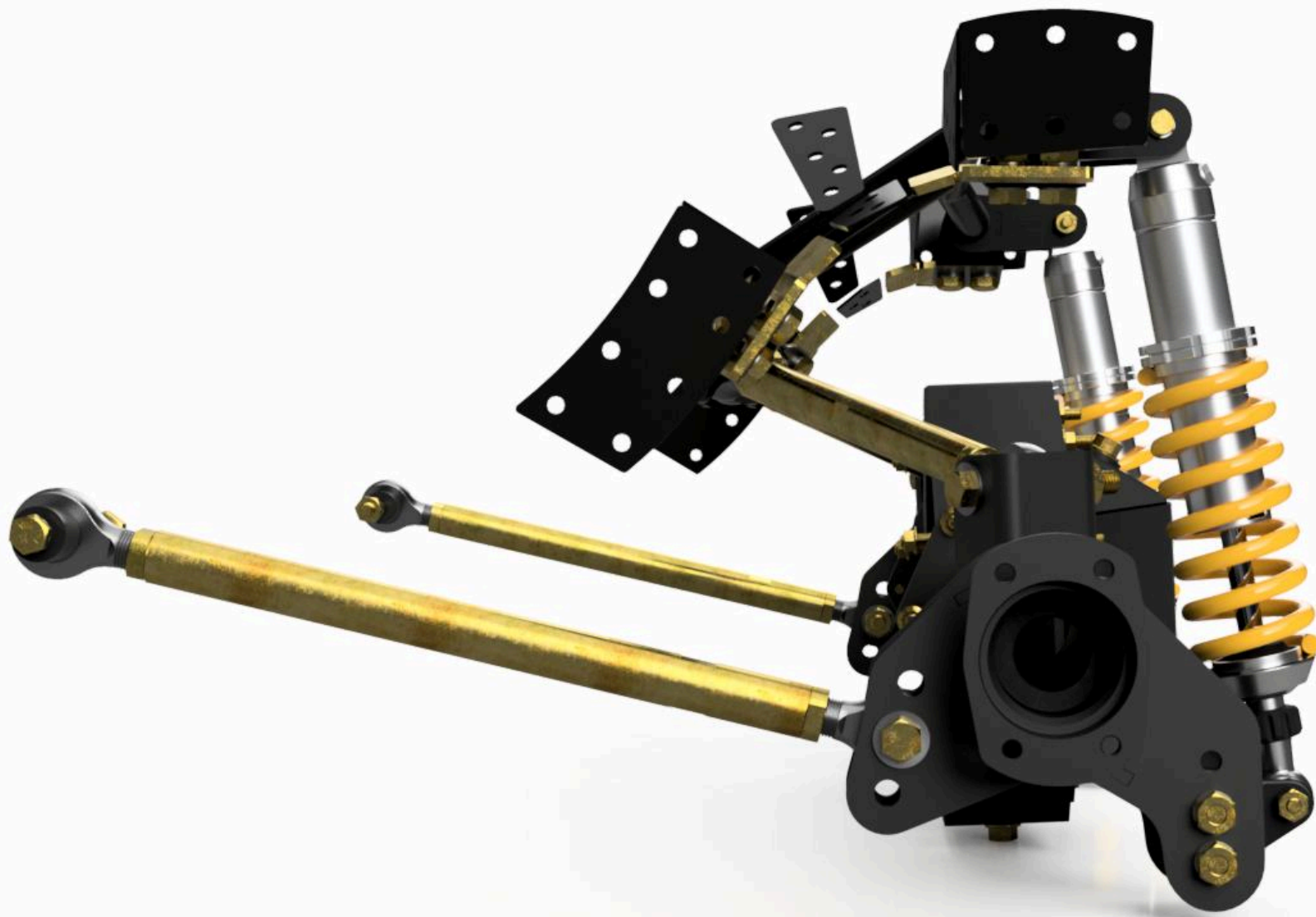
The custom rear axle suspension system was engineered from the ground up to replace the traditional leaf spring setup and eliminate its common weaknesses. The key components of the design are adjustable trailing and diagonal control arms, working in conjunction with high-end Öhlins STX shock absorbers, which offer full damping force adjustment during the compression phase. Custom axle housing tailored for the 9-inch C7AWE differential. Engineered for maximum durability, it excels in applications where high torque and strong traction impose particularly demanding requirements on components. The entire system is designed to handle torque up to 1000 Nm. Its modular construction not only simplifies the assembly of the complete set but also allows for various axle width configurations by adjusting the length of the housings.

**SUSPENSION BASED ON ÖHLINS SHOCK
ABSORBERS**

**DESIGN CREATED USING A 3D CAD
ENVIRONMENT**

ADJUSTABLE CONTROL ARM LENGTH

CNC MACHINING

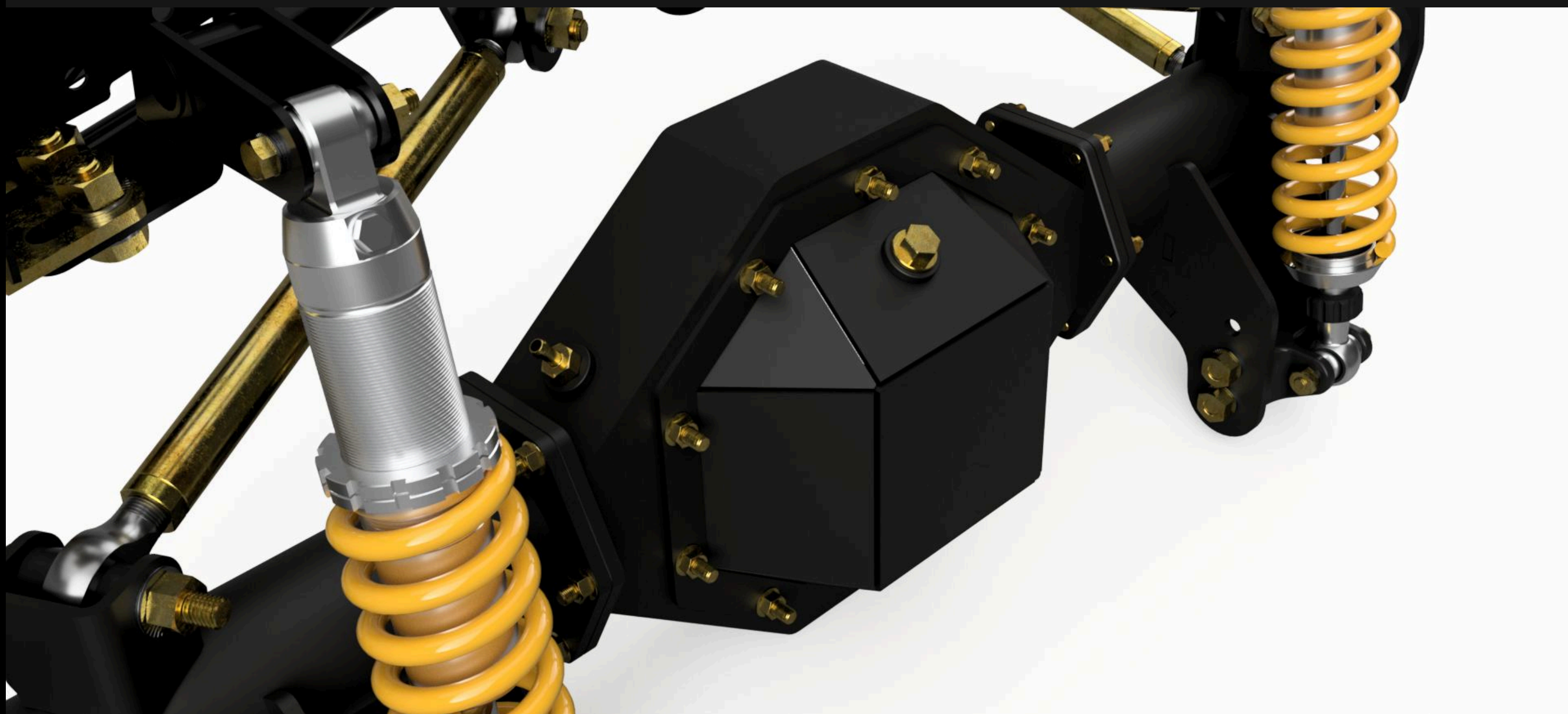
**PRODUCT DESCRIPTION:**

The suspension is mounted to the chassis using a dedicated four-point subframe, which also serves as a robust base for the diagonal control arm mounts. The use of threaded coilover shock absorbers allows for precise ride height adjustment and individualized suspension tuning. Instead of traditional metal-rubber bushings, we use spherical bearings (uniballs), enabling the use of turnbuckles on the control arms for highly accurate suspension geometry adjustment. The system is designed around a 9-inch rear axle. Control arm and shock absorber mounts are made from sheet metal and TIG-welded directly to the axle housing. The lower shock mounts allow for adjustable installation height. The product is made from high-grade S355 structural steel, and all components are corrosion-protected. Painting of the axle housing is available upon customer request.

KEY PRODUCT FEATURES:

- Improved handling characteristics
- Adjustable ride height
- CNC machining
- Design developed using a 3D CAD environment
- Upon request, we can assemble the complete rear axle with the differential and drive shafts.



**THE SET INCLUDES:**

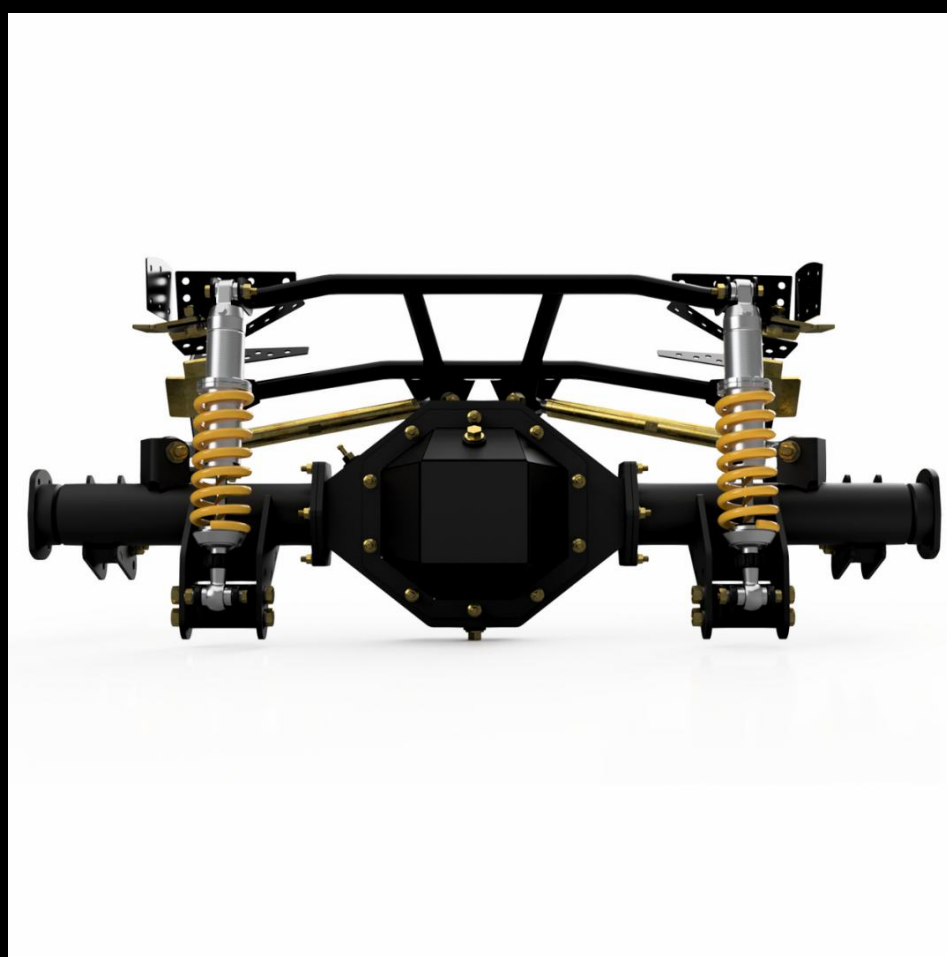
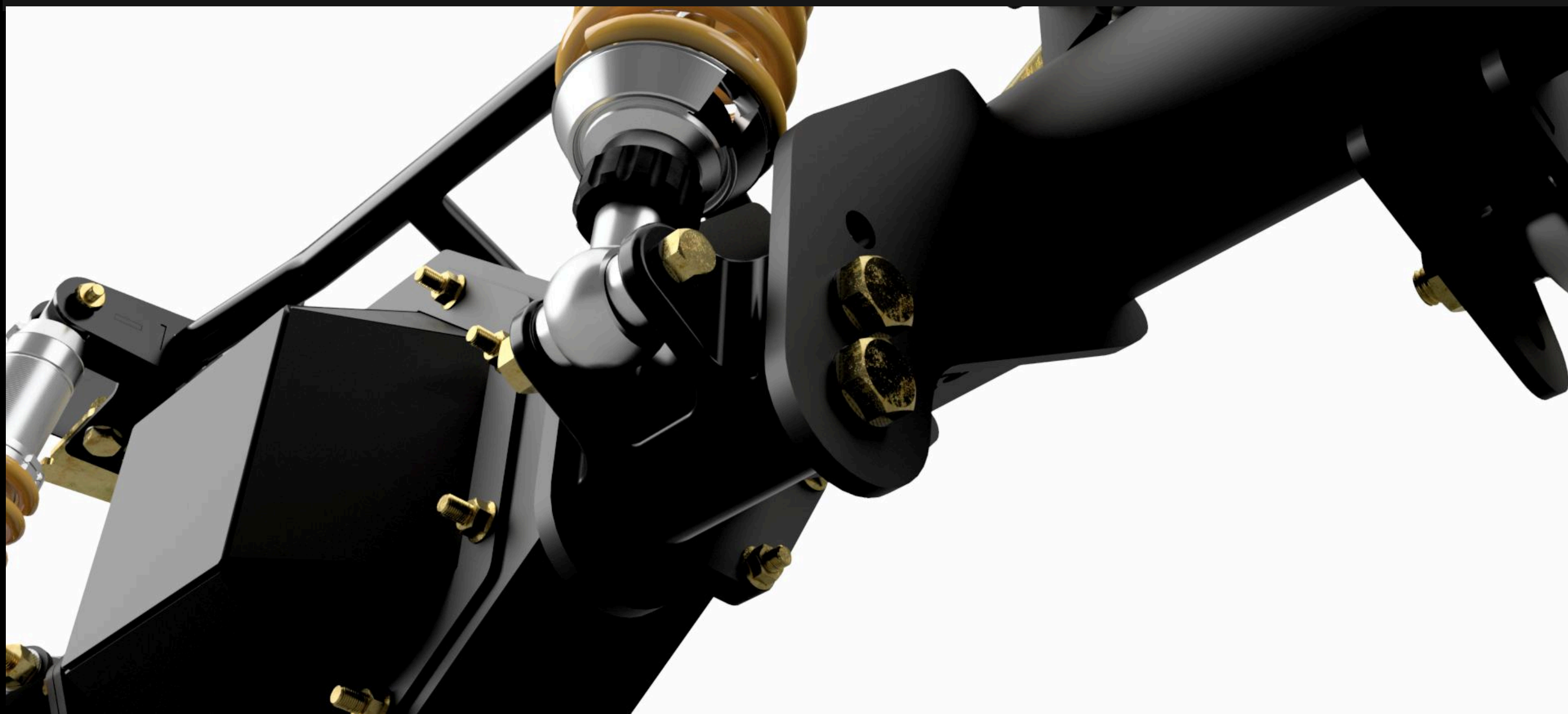
- Tubular suspension subframe with chassis mounting points
- Angled control arms (2 pcs.)
- Trailing arms (2 pcs.)
- Öhlins STX shock absorbers (2 pcs.)
- CNC-machined lower shock mounts with bushings (2 pcs.)
- Complete axle housing with housings and mounting points
- Complete set of spherical bearings (8 pcs.)
- Mounting kit

APPLICATION:

This product is compatible with the following Ford Mustang model years:

- 1964/5 Fastback, Coupe, Convertible
- 1965 Fastback, Coupe, Convertible
- 1966 Fastback, Coupe, Convertible
- 1967 Fastback, Coupe, Convertible
- 1968 Fastback, Coupe, Convertible
- 1969 Fastback, Coupe, Convertible
- 1970 Fastback, Coupe, Convertible





INSTALLATION INSTRUCTIONS:

Technical data sheet

DIFFICULTY LEVEL:

Intermediate. Intended for installation by qualified individuals.

NOTES:

*Before purchasing, please ensure that the product is compatible with your vehicle.

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