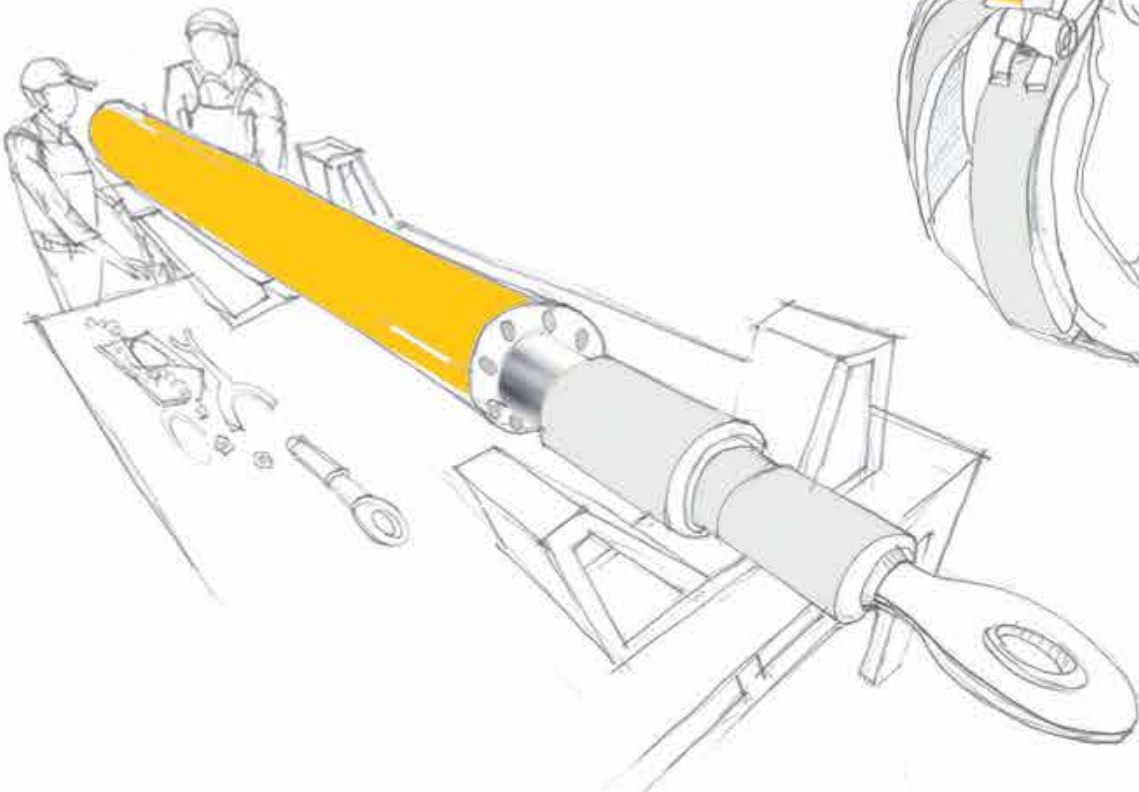
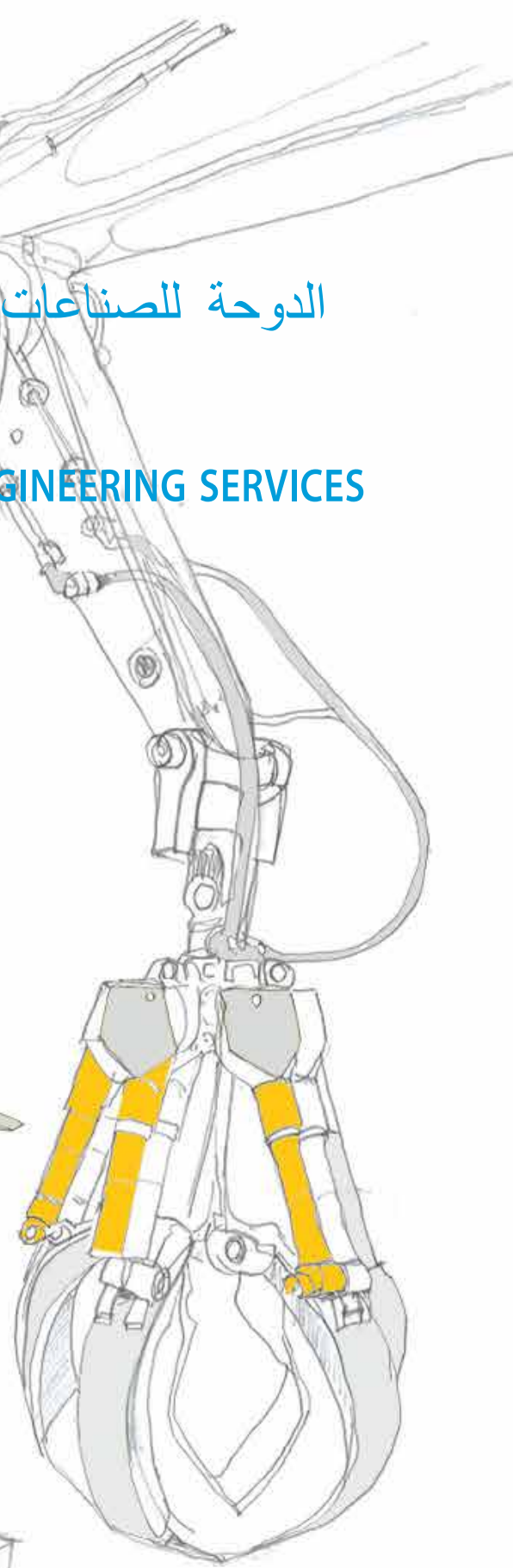


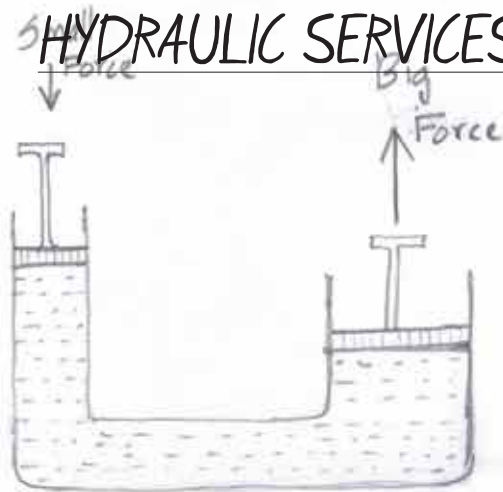
الدوحة للصناعات والخدمات الهندسية

Doha

INDUSTRIES AND ENGINEERING SERVICES



HYDRAULIC SERVICES DIVISION



Doha Industries and Engineering Services is the one stop for all your hydraulic cylinder repair and manufacturing requirements. Starting from dismantling a cylinder, resealing with fabrication of new seals, supply of new chrome rod and tube, machining, welding and pressure testing with test certificate, we provide end to end solution.



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Street : 15, Zone: 81



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HOSE ASSEMBLY FABRICATION AND HOSE DOCTOR SERVICE

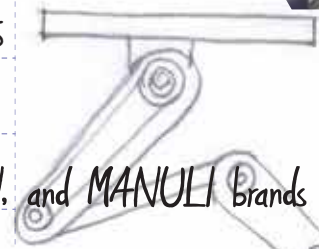
DIES manufactures and assembles hydraulic hoses from quality brands. Specifically, DIES is the exclusive dealer in Qatar for Primo hoses for hydraulic and industrial applications.

Our product range

- | | |
|-----------------------------------|---------------------------------|
| HYDRAULIC HOSES | THERMOPLASTIC HOSES |
| WATER SUCTION AND DISCHARGE HOSES | OIL SUCTION AND DISCHARGE HOSES |
| PVC LAY FLAT HOSES | PVC HOSES |
| NYLON HOSES | PU HOSES |

In addition we also fabricate hose assemblies from PARKER, EATON, and MANULI brands based on customer requirements.

DIES can provide brass, carbon steel and stainless steel fittings. The service center also has mobile hose assembly vans (Hose Doctor Service) providing onsite hose crimping services.



primo Hoses for Hydraulic & Industrial Applications
 get work done



Location pin icon

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primo get work done

Primo™ is a global brand for hydraulic and industrial hoses. Armed with a wealth of experience and knowledge of fluid conveyance industry-standard, materials, and practices, Primo has consolidated this experience to offer a wide range of products for the construction, heavy equipment, agricultural, food, transportation, marine, oil and gas industries. Primo products are manufactured employing advanced European technology and equipment. All products are inspected, tested and undergo stringent quality control, ensuring compliance with international standards.

Primo products include a complete range of hydraulic hoses, industrial hoses for the conveyance of air, water and oil, and hoses for pneumatic applications. Primo products are engineered to standards which meet optimal functional requirements whilst offering the most cost-effective solution to customers.

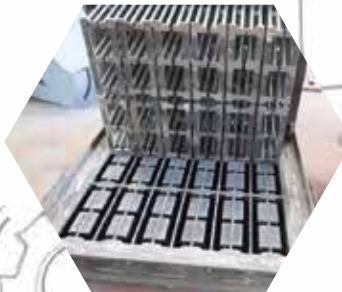
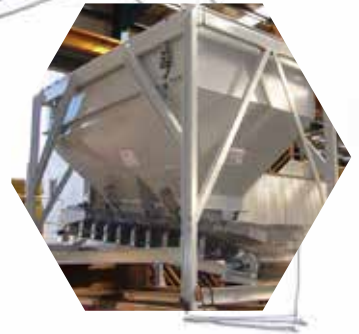
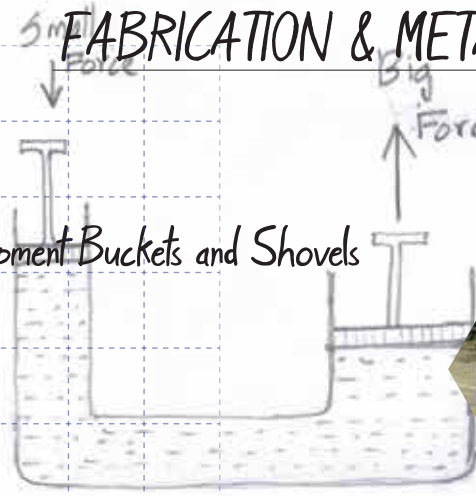
Never stop. Keep your wheels turning. Get work done with Primo!



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FABRICATION & METAL FORMING

- Tanks
- Silos
- Mixers
- Construction Equipment Buckets and Shovels
- Chisel Plow
- Roller
- Tiller
- Block Mould
- Spring Bracket
- Mixer Blade/ Mixing Arm/ Alloy liners
- Mixer Scraper
- Conveyor Rollers/ Drum Rollers
- Pallet Conveyors



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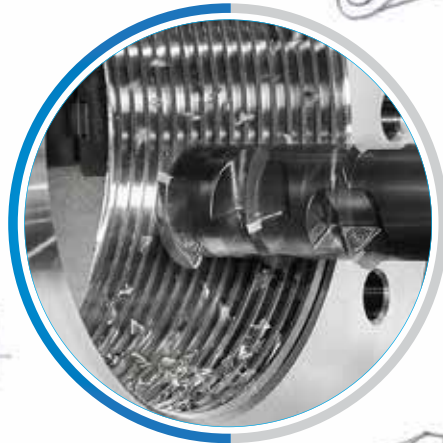


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MACHINE SHOP

- Filling and grinding of worn and corroded surfaces
- Gear fabrication
- Metal fabrication and forming using Lathes, Mills, Shapers, Radial Drills and Saws
- Tap and Die
- Construction equipment parts repair and fabrication
- Kitchen equipment parts repair
- Worn shafts and bushings repair



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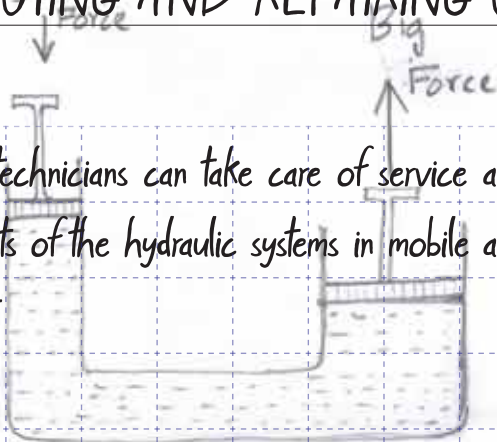


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TROUBLESHOOTING AND REPAIRING OF MOBILE EQUIPMENT

DIES engineers and technicians can take care of service and maintenance requirements of the hydraulic systems in mobile and earthmoving equipment.



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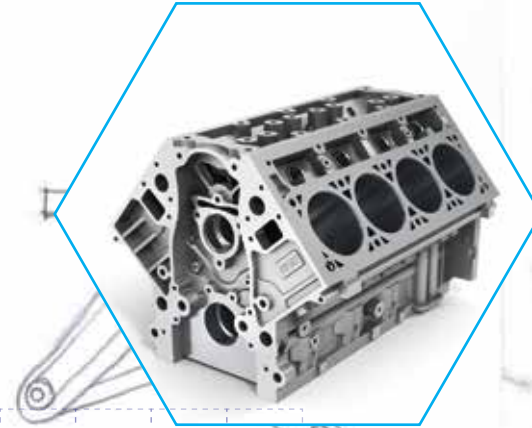


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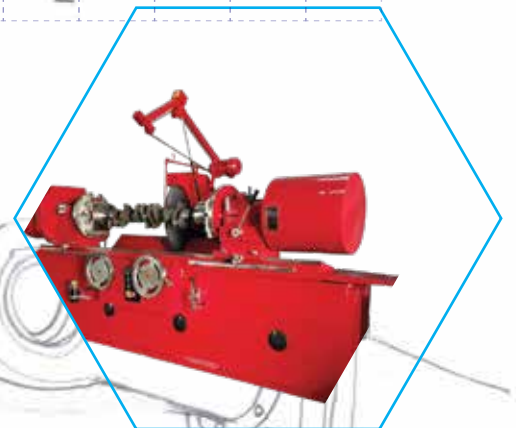
ENGINE REBUILDING



Our capabilities include:

- Align Boring
- Balancing
- Brake Disc & Drum facing
- Block Re-surfacing
- Camshaft Grinding
- Crack Detection and Crack Repair
- Crankshaft Grinding and Polishing
- Crankshaft Welding and Repair
- Cylinder Boring
- Cylinder Head Re-surfacing
- Cylinder Honing

- Flywheel Grinding
- Magnafluxing
- Pressure Testing
- Reconditioning Connecting Rods
- Sleeve Installations
- Squaring and Decking
- Tappet Grinding
- Vacuum Testing
- Valve Grinding
- Valve Guide Replacement
- Valve Seat Installation



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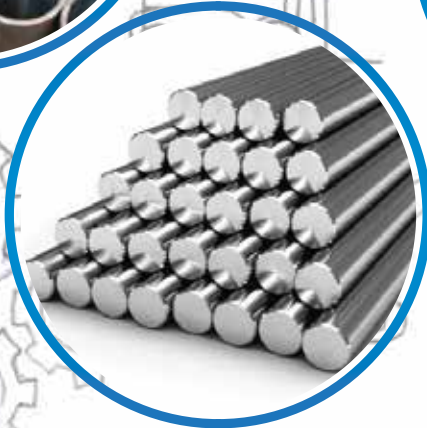
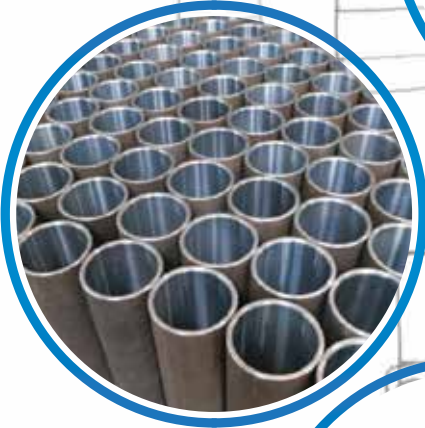
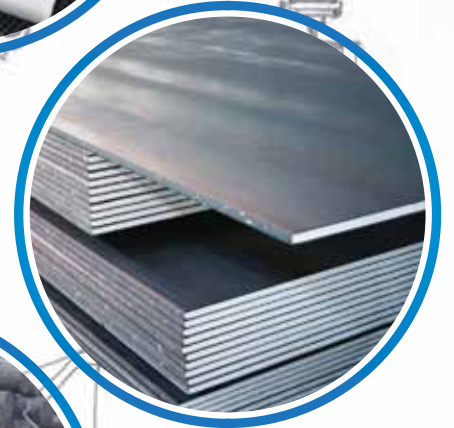
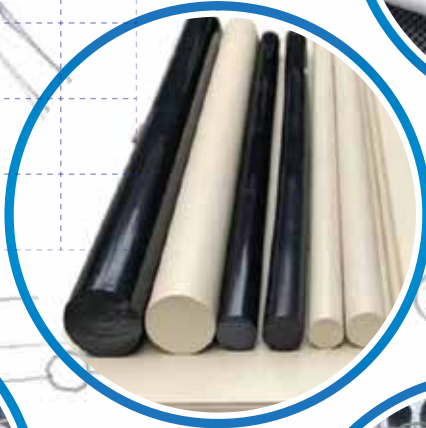
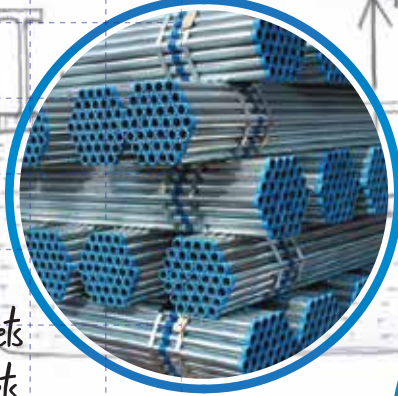


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ENGINEERING METALS & PLASTICS

- Chrome Rods
- Honed Tubes
- MS Sheets
- Round Bars
- Shafting Bars
- Brass Rods
- Nylon Rods & Sheets
- Teflon Rods & Sheets
- PPE Rods & Sheets
- Peek
- EN 19, EN 21
- Wear Plates
- GI Pipes
- Weld Overlay Plates



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HARDOX®
WEAR PLATE

THE NEW GENERATION HARDOX® WEAR PLATE



LIGHTER TIPPER BODIES



HIGHER LOAD CAPACITY



EXTENDED SERVICE LIFE



REDUCED FUEL CONSUMPTION



THE BEAST HAS DONE IT AGAIN

Hardox® 500 Tuf is the latest upgrade in the Hardox® range. It delivers high strength, extreme hardness and guaranteed toughness in one and the same wear plate.

Hardox® 500 Tuf combines the best properties from the Hardox® 450 and Hardox® 500 grades. The result is a wear plate with no real competition on the market.

It has the toughness necessary to perform as a structural material in heavy-duty tipper bodies, containers and buckets. It also works in freezing conditions as the impact energy values indicate.

Superior wear and dent resistance gives extended service life and the ability to endure heavy impact.

Typical working conditions include loading and unloading of heavy and sharp rocks in quarries and mines, handling large and heavy steel scrap, and in demolition when pieces of concrete with rebar are loaded or dropped into tipper.

Hardox® 500 Tuf has a guaranteed impact energy of 27 J at -20°C (20 ft-lb at -4 °F), and a typical value of 45 J at -40°C (33 ft-lb -40 °F). It has an unusually narrow Brinell hardness window of 475-505 HBW. The estimated relative service life for Hardox® 500 Tuf is 85-100% longer than for Hardox® 400 according to WearCalc.*

WORKSHOP-FRIENDLY

Hardox® 500 Tuf can be processed by the same kind of machinery used for other Hardox® grades. Bendability recommendations are similar to those for Hardox® 450.

*The calculations are based on sliding wear with granite.

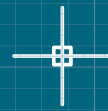
Hardox® 500 Tuf						
Product	Hardness nominal HBW	Impact toughness CVT guaranteed J at -20 °C (ft-lb at -4 °F)	Impact toughness CVL typical J at -40 °C (ft-lb at -40 °F)	Relative service life interval (relative to Hardox® 400)	CEV/CET	Thickness range mm (inches)
Hardox® 500 Tuf wear plate	490	27 J (20 ft-lb) for 20 mm (0.787")	45 J (33 ft-lb) for 20 mm (0.787")	1.3-2.1	0.53/0.37 for 20 mm (0.787")	4-25.4 mm (0.157-1")
Hardox® 500 Tuf wear sheet	490		45 J (33 ft-lb)	1.3-2.1	0.40/0.30	3-6.5 (0.118-0.256)

Hardox® 500 Tuf wear plate																					
Width	1000-	1351-	1500-	1601-	1701-	1801-	1901-	2001-	2101-	2201-	2301-	2401-	2501-	2601-	2701-	2801-	2901-	3001-	3101-	3201-	3301-
Thickness	1350	1499	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3350
3.0-3.7																					
3.8-4.7																					
4.8-5.7																					
5.8-6.7																					
6.8-7.7																					
7.8-8.7																					
8.8-10.0																					
10.1-24.0																					
24.1-25.4																					
25.5-26																					

Hardox® 500 Tuf wear sheet												
Width	950-	1001-	1201-	1251-	1301-	1501-	1526-	1551-	1576-	1601-	1626-	
Thickness	1000	1200	1250	1300	1500	1525	1550	1575	1600	1625	1650	
2.50-2.99												
3.00-3.09												
3.10-3.19												
3.20-3.99												
4.00-4.49												
4.50-4.79												
4.80-4.99												
5.00-5.99												
6.00-6.40												
6.41-6.50												

- Some restrictions, contact your local sales representative for information
- Outside the range of dimensions

The data in these tables may be subject to change without notice. Please download the latest version of the respective Hardox® wear plate product data sheet at www.ssab.com.



STRENX[®]
PERFORMANCE STEEL

THE BEAUTY

FROM
600
TO
1300*
MPa

If you have ever thought that all steel is basically the same, Strenx performance steel will make you think differently. Strenx steel is strong and reliable from the surface to the core.

The first thing you will notice is the surface quality of Strenx steel. Thickness and flatness tolerances are equally impressive, and verified by the Strenx guarantees.

The properties within the steel – such as yield and tensile strength, bending performance and impact toughness – are also carefully tested to ensure reliability and consistency in every delivery.

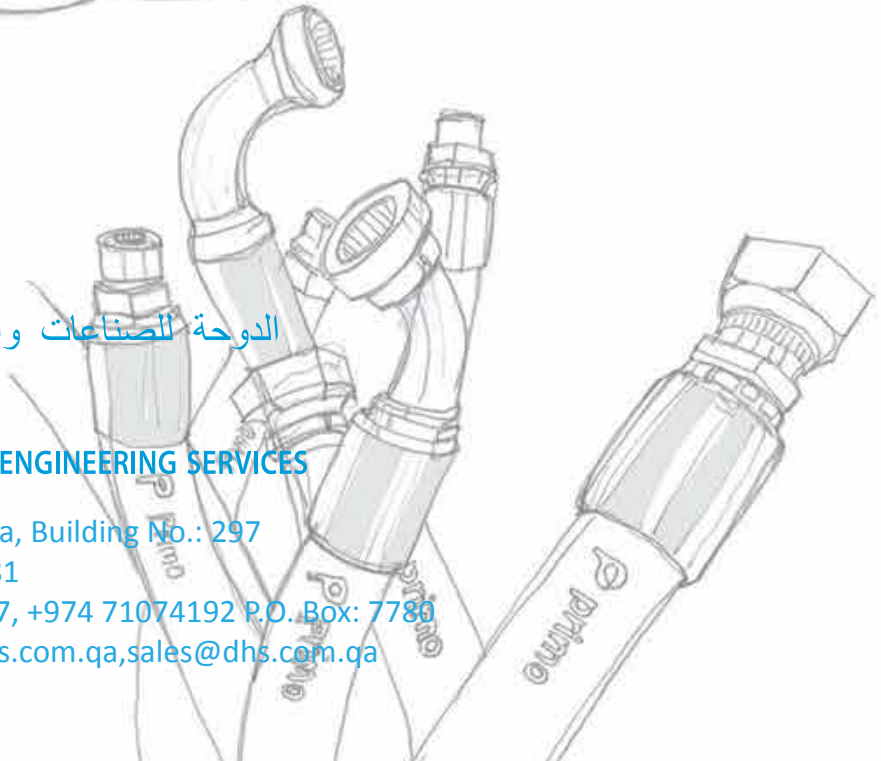
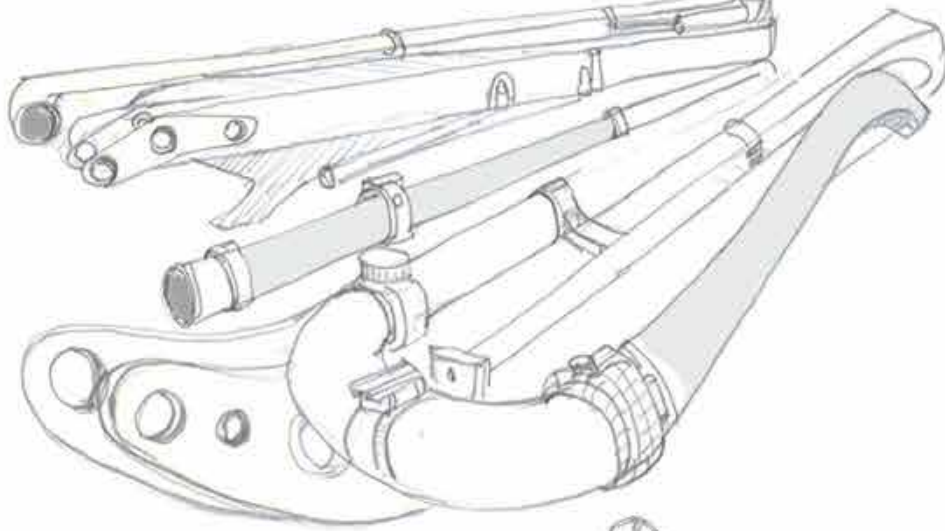
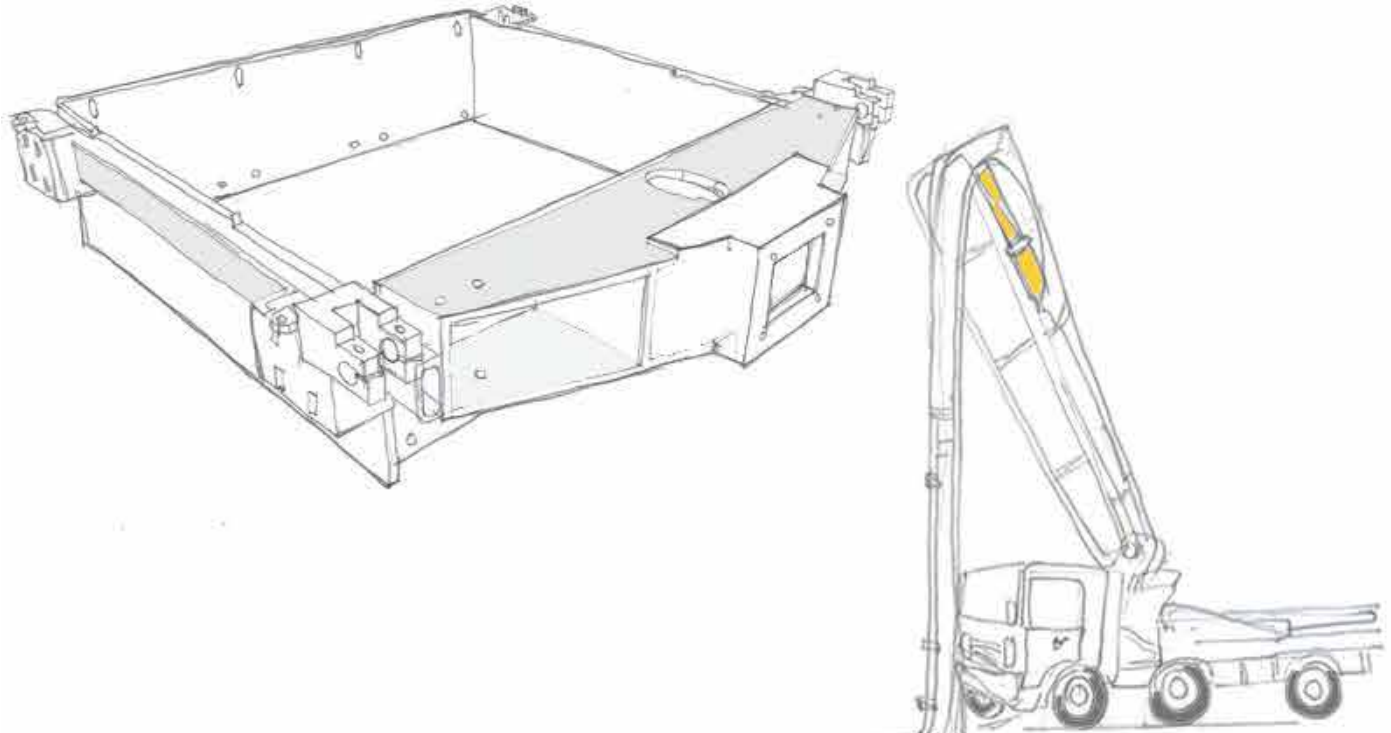
*At the time of writing, open for extension.

SSAB

POTENTIAL APPLICATIONS

Container trailers
Flatbed trailers
Box trailers
Timber trailers
Tipper trailers
Bulk and tank trailers
Car carriage trailers
Train cargo wagons
Passenger trains
Light rail trains
Buses and light trucks
Telescopic and articulated boom lifts
Scissor lifts
Truck-mounted loader cranes
Telehandlers
Concrete pump cranes
Mobile cranes
Cargo handlers
Forestry harvesters
Forestry forwarders
Agricultural tippers and trailers
Front loaders and attachments
Sprayer chassis and booms
Jack-up legs
Pylons
Marine and offshore cranes
Safety boat davits
Winches and deck equipment
Ramps, decks and cargo hatches
Gears and racks





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