



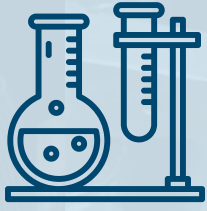














1	2	3	4	5	6
 <p>Raw Material</p>	 <p>Forging</p>	 <p>Second options</p>	 <p>Heat Treatments</p>	 <p>Adhesive Coatings</p>	 <p>Quality Inspection</p>
 <p>PROCESSES</p> <ul style="list-style-type: none"> • Annealing • Chemical cleaning • Wire drawing • Phosphate Coating 	 <p>EQUIPMENT</p> <ul style="list-style-type: none"> -Cold forging 2 seasons up to 22 mm. -Multi-stage cold forging 3, 4, 5 and 6 strokes up to 20 mm. -Nut forging machines with 5 and 6 stations up to 25 mm. -Hot forging machines from 1/2" up to 2" diameter. 	 <p>EQUIPMENT</p> <ol style="list-style-type: none"> 1. Rollers with washer assembly capability (Sems) 2. Roller rolling 3. Groove machining 4. Drilling 5. Knurling 6. Head machining 	 <p>EQUIPMENT</p> <ul style="list-style-type: none"> • Heat treatment and tempering • Carbonitride • Hydrogen Embrittlement 	 <p>EQUIPMENT</p> <ul style="list-style-type: none"> -Cr3 Zinc plating (120 to 500 hrs Red Corrosion) -RoHS compliance -Trivalent dehydrogenated -Magni Coating (480 to 1,000 hrs Red Corrosion) -ND Adhesives for Loc tite, 3M, Pre coat, Nylon ropes. 	 <p>EQUIPMENT</p> <ul style="list-style-type: none"> • In-house metrology laboratory • Microstructure Hardness and Microhardness • Optical Comparator • Universal Machine • Tension, torque and elongation • Coefficient of friction • Salt spray chamber
 <p>SPECIFICATIONS</p> <p>Carbon steel:</p> <ul style="list-style-type: none"> • SAE ASTM Standard • JIS Standard • DIN Standard <p><i>Mexican raw material</i></p>	 <p>SPECIFICATIONS</p> <p>Dimensions 4 mm up to 36 mm</p> <p>Lenghts</p> <p>— MIN. 15 mm</p> <p>— MAX. 250 mm</p>	 <p>SPECIFICATIONS</p> <p>Ropes</p> <p>UNC UNF</p> <p>Thread Cutting Thread Rolling Tap Tite</p> <p>Mathread</p>	 <p>SPECIFICATIONS</p> <p>Hardness</p> <p>Grade 2 Grade 5</p> <p>Class 8.8 Class 9.8 Class 10.9</p> <p>A307 A394 A325 A490</p>	 <p>SPECIFICATIONS</p> <p>In-house finishes</p> <p>-Trivalent Zinc (Cr+3)</p> <p>RoHS: Blue, White, Yellow, Black</p> <p>-Organic phosphate + seal</p> <p>-Nickel</p> <p>-Magni Coating</p> <p>-Hot-dip galvanizing</p>	<p>MECHANICAL TESTING LABORATORY:</p> <ul style="list-style-type: none"> -Tension - Proof load - Torque - Microstructure Analysis - Hardness and Microhardness - Friction Coefficient - Corrosion Testing - Hydrogen Free - Torque in Adhesives - Automated optical selection - Visual selection - Qualified team with more than 10 years of experience