**Comparison between** [**Rebar Thread Rolling Machine**](http://www.chinabartech.net/rebar-threading-machine/rebar-thread-rolling-machie/high-speed-easy-operation-rebar-thread.html) **and cold foreign machine with** [**Rebar cold pressing machine**](http://www.chinabartech.net/rebar-threading-machine/rebar-thread-rolling-machie/high-speed-easy-operation-rebar-thread.html)

1. **Introduction**

For many years the use of mechanical couplers to join reinforcing bars has been regarded as a means of reducing the use of long bars. Engineers and contractors now recognize the benefits of using couplers to accelerate the speed of construction, increase productivity and simplify design details. Forging operations are widely used for manufacturing processes. Forging process is done hot, warm or cold. But for more strange, cold pressing method is bester. Now there are two devices for performing two methods, which are below the specifications and application as well as their standards has been posted.

1. **Technical Specifications of Devices**

* [**Rebar Thread Rolling Machine**](http://www.chinabartech.net/rebar-threading-machine/rebar-thread-rolling-machie/high-speed-easy-operation-rebar-thread.html) **and cold foreign machine**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| property | CBT40M Thread Cutting | [High Speed Easy Operation Rebar Thread Rolling Machine with Different Working Speed](http://www.chinabartech.net/rebar-threading-machine/rebar-thread-rolling-machie/high-speed-easy-operation-rebar-thread.html) | property | CBT40M UPSETTING | C:\Users\ASUS\Desktop\images.jpg |
| mm16-40 | Rebar Size | mm16-40 | Rebar Size |
| KW40 | Main Motor Power | KW40 | Main Motor Power |
| V380 | Electricity Power Source | V380 | Electricity Power Source |
| Liter/Min6 | Oil Pump Flux | Liter/Min6 | Oil Pump Flux |
| Mpa63 | Max Pressure | Mpa63 | Max Pressure |
| 1225\*570\*1100 | Out Dimention | 1225\*570\*1100 | Out Dimention |
| 590kg | Net Weight | 620kg | Net Weight |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| property | CBT40A Thread Cutting | Related image | property | CBT40A UPSETTING | C:\Users\ASUS\Desktop\images.jpg |
| mm16-40 | Rebar Size | mm16-40 | Rebar Size |
| KW40 | Main Motor Power | KW40 | Main Motor Power |
| V380 | Electricity Power Source | V380 | Electricity Power Source |
| Liter/Min6 | Oil Pump Flux | Liter/Min6 | Oil Pump Flux |
| Mpa63 | Max Pressure | 32Mpa | Max Pressure |
| 1225\*570\*1100 | Out Dimention | 1225\*570\*1100 | Out Dimention |
| 590kg | Net Weight | 1000kg | Net Weight |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Size | 16 | 20 | 25 | 32 | 40 |
| OD (mm) | 24 | 30 | 38 | 48 | 59 |
| Thread larger Dia (mm) | 16.50 | 20.50 | 25.50 | 32.50 | 40.50 |
| Coupler Cross section area (mm2) | 238.66 | 376.94 | 623.64 | 980.35 | 1446.29 |
| C45 Min Tensile Strength    (N/mm2) | 600 | 600 | 600 | 600 | 600 |
| Coupler Load (KN) | 143.20 | 226.16 | 374.18 | 588.21 | 867.77 |
| Rebar cross-section area (mm2) | 201.1 | 314.2 | 490.9 | 804.2 | 1257 |
| BS 8110  with 400 rebar load(KN) | 86.88 | 135.73 | 212.07 | 347.41 | 543.02 |
| ACI318 (Type 1) with 400 rebar load(KN) | 100.55 | 157.10 | 245.45 | 402.10 | 628.50 |
| ACI318,(Type 2) with 400 rebar load(KN) | 106.58 | 166.53 | 260.18 | 426.23 | 666.21 |
| Coupler Load(KN) with BS 8110, ACI 318 requirement Remark | Above | above | above | above | above |

### ****Specifications****

1. High Quality Automatic Forging Machine
2. High efficient, more stable and safety
3. 100% Bar Break Performance

* [**Rebar cold pressing machine**](http://www.chinabartech.net/rebar-threading-machine/rebar-thread-rolling-machie/high-speed-easy-operation-rebar-thread.html)

Pressing Machine is used to pressing cold pressing couplers to connect with the rebars.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| C:\Users\ASUS\Desktop\New folder (2)\hly-40-rebar-cold-stamping-machine-1568805.jpg | LJY-32(16-32mm) |  | China 12 - 40mm Cold Extrusion Press Rebar Coupler Machine With Hydrolic Pump on sale | LJY-40(36-40mm) |
| Motor Power | 3KW | 3KW |
| Max Oil pump Pressure | 70MPa | 70MPa |
| Clamps Tension | 65Ton | 80Ton |
| Oil Pipe Connector | M24\*1.5 | M24\*1.5 |
| Oil Pump Weight | 80KG | 80KG |
| Clamps Weight | 35KG | 45KG |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Size | 16 | 20 | 25 | 32 | 40 |
| OD (mm) | 30 | 36 | 45 | 56 | 70 |
| Thread larger Dia (mm) | 20.00 | 24.00 | 30.20 | 38.00 | 46.00 |
| Coupler Cross section area (mm2) | 392.69 | 565.47 | 874.09 | 1328.85 | 2186.48 |
| 16Mn Min Tensile Strength  (N/mm2) | 470 | 470 | 470 | 470 | 470 |
| Coupler Load (KN) | 184.56 | 265.77 | 410.82 | 624.56 | 1027.65 |
| Rebar cross-section area (mm2) | 201.1 | 314.2 | 490.9 | 804.2 | 1257 |
| BS 8110  with   500 rebar load(KN) | 108.59 | 169.67 | 265.09 | 434.27 | 678.78 |
| ACI318 (Type 1) with 500 rebar load(KN) | 125.69 | 196.38 | 306.81 | 502.63 | 785.63 |
| Coupler Load(KN) with BS 8110, ACI 318 requirement Remark | Above | above | above | above | above |