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## SINGLE ACTING CYLINDERS



- Max. working pressure: 700 Bar;
- Single acting cylinders with heavy duty return springs and are designed to be used in all orientations;
- Base mounting holes along with ram and collar threads enable various installation options;
- Durability is enhanced by using high strength alloy steel;
- Corrosive resistant baked enamel can be upgraded to nickel plating on most models;
- The stop ring avoids the piston rod over-reaching and enables maximum cylinder extension.

| Model Number | Cap. (ton) | Stroke (mm) | Collaps. Height (mm) | Extended Height (mm) | Weight (Kg) |
|--------------|------------|-------------|----------------------|----------------------|-------------|
| RC-50        | 5          | 16          | 41                   | 57                   | 1.0         |
| RC-51        |            | 25          | 110                  | 135                  | 1.0         |
| RC-53        |            | 76          | 165                  | 241                  | 1.5         |
| RC-55        |            | 127         | 215                  | 342                  | 1.9         |
| RC-57        |            | 177         | 273                  | 450                  | 2.4         |
| RC-59        |            | 232         | 323                  | 555                  | 2.8         |
| RC-101       | 10         | 26          | 89                   | 115                  | 1.8         |
| RC-102       |            | 54          | 121                  | 175                  | 2.3         |
| RC-104       |            | 105         | 171                  | 276                  | 3.3         |
| RC-106       |            | 156         | 247                  | 403                  | 4.4         |
| RC-108       |            | 203         | 298                  | 501                  | 5.4         |
| RC-1010      |            | 257         | 349                  | 606                  | 6.4         |
| RC-1012      | 15         | 304         | 400                  | 704                  | 6.8         |
| RC-1014      |            | 356         | 450                  | 805                  | 8.2         |
| RC-151       |            | 25          | 124                  | 146                  | 3.3         |
| RC-152       |            | 51          | 149                  | 200                  | 4.1         |
| RC-154       |            | 101         | 200                  | 401                  | 5.0         |
| RC-156       |            | 152         | 271                  | 423                  | 6.8         |
| RC-158       | 25         | 203         | 322                  | 525                  | 8.2         |
| RC-1510      |            | 254         | 373                  | 627                  | 9.5         |
| RC-1512      |            | 305         | 423                  | 728                  | 10.9        |
| RC-1514      |            | 356         | 474                  | 830                  | 11.8        |
| RC-251       |            | 26          | 139                  | 165                  | 5.9         |
| RC-252       |            | 50          | 165                  | 215                  | 6.4         |
| RC-254       | 30         | 102         | 215                  | 317                  | 8.2         |
| RC-256       |            | 158         | 273                  | 431                  | 10.0        |
| RC-258       |            | 210         | 323                  | 533                  | 12.2        |
| RC-2510      |            | 261         | 374                  | 635                  | 14.1        |
| RC-2512      |            | 311         | 425                  | 736                  | 16.3        |
| RC-2514      |            | 362         | 476                  | 838                  | 17.7        |
| RC-308       | 50         | 209         | 387                  | 596                  | 18.1        |
| RC-502       |            | 51          | 176                  | 227                  | 15.0        |
| RC-504       |            | 101         | 227                  | 328                  | 19.1        |
| RC-506       |            | 159         | 282                  | 441                  | 23.1        |
| RC-5013      |            | 337         | 460                  | 797                  | 37.6        |
| RC-756       |            | 156         | 285                  | 441                  | 29.5        |
| RC-7513      | 75         | 333         | 492                  | 825                  | 59.0        |
| RC-1006      |            | 168         | 357                  | 525                  | 59.0        |
| RC-10010     | 100        | 260         | 449                  | 709                  | 72.6        |

## LOW HEIGHT CYLINDER



## LOW HEIGHT CYLINDER



## RSM-series, Flat-Jac® Cylinders

- Compact, flat design for use where most other cylinders will not fit
- Single-acting, spring return
- RSM-750, 1000 and 1500 have handles for easy carrying
- Mounting holes permit easy fixturing
- Baked enamel finish for increased corrosion resistance
- CR-400 coupler and dust cap included on all models<sup>1)</sup>
- Hard chrome plated high quality steel plungers
- Grooved plunger ends require no saddle.

## RCS-series, Low Height Cylinders

- Lightweight, low profile design for use in confined spaces
- Single-acting, spring return
- Baked enamel finish for increased corrosion resistance
- Plunger wiper reduces contamination, extending cylinder life
- CR-400 coupler and dust cap included on all models
- Grooved plunger end with threaded holes for mounting tilt saddles
- Integral handle on RCS-1002 for easy carrying
- Plated steel plungers.

| Model Number | Cap (ton) | Stroke (mm) | Collaps. Height (mm) | Extended Height (mm) | Weight (Kg) |
|--------------|-----------|-------------|----------------------|----------------------|-------------|
| RSM-50       | 5         | 6           | 32                   | 38                   | 2.3         |
| RSM-100      | 10        | 11          | 43                   | 54                   | 3.1         |
| RSM-200      | 20        | 13          | 51                   | 64                   | 6.8         |
| RSM-300      | 30        | 16          | 58                   | 74                   | 10          |
| RSM-500      | 50        | 16          | 66                   | 82                   | 15          |
| RSM-750      | 75        | 16          | 79                   | 95                   | 25          |
| RSM-1000     | 100       | 16          | 85                   | 101                  | 32          |
| RSM-1500     | 150       | 16          | 100                  | 116                  | 58          |
| RCS-101      | 10        | 38          | 88                   | 126                  | 6           |
| RCS-201      | 20        | 45          | 98                   | 143                  | 11          |
| RCS-302      | 30        | 62          | 117                  | 179                  | 15          |
| RCS-502      | 50        | 60          | 122                  | 182                  | 22          |
| RCS-1002     | 100       | 57          | 141                  | 198                  | 46          |

## HOLLOW CYLINDER



- Max. Working Pressure: 700 Bar;
- Single acting cylinders with heavy duty return springs and are designed to be used in all orientations;
- Hollow rod design enables pulling and tensioning;
- Threaded collars enable convenient placement;
- All cylinders above 20 ton have a nickel-plated floating centre tube to increase their working life;
- Coated with corrosive resistant baked enamel.

| Model Number | Cap. (ton) | Stroke (mm) | Collaps. Height (mm) | Center Hole Dia. (mm) | Weight (Kg) |
|--------------|------------|-------------|----------------------|-----------------------|-------------|
| RCH-120      | 12         | 8           | 55                   | 17.3                  | 1.5         |
| RCH-121      |            | 42          | 120                  | 19.5                  | 2.8         |
| RCH-1211     |            | 42          | 120                  | 17.3                  | 2.8         |
| RCH-123      |            | 76          | 184                  | 19.5                  | 4.4         |
| RCH-202      | 20         | 49          | 162                  | 26.9                  | 7.7         |
| RCH-206      |            | 155         | 306                  | 26.9                  | 14.1        |
| RCH-302      | 30         | 64          | 178                  | 33.3                  | 10.9        |
| RCH-306      |            | 155         | 330                  | 33.3                  | 21.8        |
| RCH-603      | 60         | 76          | 247                  | 53.8                  | 28.1        |
| RCH-606      |            | 153         | 323                  | 53.8                  | 35.4        |
| RCH-1003     | 100        | 76          | 254                  | 79                    | 63.0        |

## PANCAKE LOCK NUT CYLINDERS



- Max. Working Pressure: 700 Bar;
- Single acting, load return;
- Extremely low profile design for use in confined spaces;
- Supports loads mechanically for extended periods enabling hydraulic pressure release;
- Overflow port prevents the piston rod from over extending;
- Optional synthetic coating for improved corrosion resistance and lower friction for smoother operation to withstand side load forces up to 3% of rated cylinder capacity without scoring is available.

| Model Number | Cap. (ton) | Stroke (mm) | Collaps. Height (mm) | Extended Height (mm) | Weight (Kg) |
|--------------|------------|-------------|----------------------|----------------------|-------------|
| CLP-602      | 60         | 50          | 125                  | 38                   | 15          |
| CLP-1002     | 100        | 50          | 137                  | 54                   | 26          |
| CLP1602      | 160        | 45          | 148                  | 64                   | 44          |
| CLP-2002     | 200        | 45          | 155                  | 74                   | 57          |
| CLP-2502     | 250        | 45          | 159                  | 82                   | 74          |
| CLP-4002     | 400        | 45          | 178                  | 95                   | 134         |
| CLP - 5002   | 500        | 45          | 192                  | 101                  | 189         |

## LOCK NUT JACK CYLINDERS



## HEIGHT TONNASE CYLINDER



- Max Working Pressure: 700 Bar; Single acting, load return;
- Base mounting holes are standard on all models;
- Unique loading design enables it to bear unbalanced loads up to 3% capacity with no damage to the cylinder;
- The cylinder piston rod is protected from damage by the interchangeable hardened saddles;
- The stop ring avoids the piston rod over-reaching and enables maximum cylinder extension;
- The dust ring prevents contamination and enhances longer cylinder life.

| Model Number | Cap. (ton) | Stroke (mm) | Collaps. Height (mm) | Lock Nut Height (mm) | Weight (Kg) |
|--------------|------------|-------------|----------------------|----------------------|-------------|
| CLL-502      | 50         | 50          | 164                  | 36                   | 15          |
| CLL-504      |            | 100         | 214                  |                      | 20          |
| CLL-506      |            | 150         | 264                  |                      | 25          |
| CLL-508      |            | 200         | 314                  |                      | 30          |
| CLL-5010     |            | 250         | 364                  |                      | 35          |
| CLL-5012     |            | 300         | 414                  |                      | 40          |
| CLL-1002     | 100        | 50          | 187                  | 44                   | 30          |
| CLL-1004     |            | 100         | 237                  |                      | 39          |
| CLL-1006     |            | 150         | 287                  |                      | 48          |
| CLL-1008     |            | 200         | 337                  |                      | 56          |
| CLL-10010    |            | 250         | 387                  |                      | 64          |
| CLL-10012    |            | 300         | 437                  |                      | 73          |
| CLL-1502     | 150        | 50          | 209                  | 44                   | 53          |
| CLL-1504     |            | 100         | 259                  |                      | 66          |
| CLL-1506     |            | 150         | 309                  |                      | 78          |
| CLL-1508     |            | 200         | 359                  |                      | 92          |
| CLL-15010    |            | 250         | 409                  |                      | 104         |
| CLL-15012    |            | 300         | 459                  |                      | 117         |
| CLL-2002     | 200        | 50          | 243                  | 50                   | 83          |
| CLL-2006     |            | 150         | 343                  |                      | 117         |
| CLL-20012    |            | 300         | 493                  |                      | 170         |
| CLL-2502     | 250        | 50          | 249                  | 56                   | 116         |
| CLL-2506     |            | 150         | 349                  |                      | 162         |
| CLL-25012    |            | 300         | 499                  |                      | 234         |
| CLL-3002     | 300        | 50          | 295                  | 60                   | 173         |
| CLL-3006     |            | 150         | 395                  |                      | 233         |
| CLL-30012    |            | 300         | 545                  |                      | 323         |
| CLL-4002     | 400        | 50          | 335                  | 70                   | 250         |
| CLL-4006     |            | 150         | 435                  |                      | 327         |
| CLL-40012    |            | 300         | 585                  |                      | 441         |
| CLL-5002     | 500        | 50          | 375                  | 80                   | 367         |
| CLL-5006     |            | 150         | 475                  |                      | 466         |
| CLL-50012    |            | 300         | 625                  |                      | 617         |
| CLL-6002     | 600        | 50          | 395                  | 85                   | 446         |
| CLL-6006     |            | 150         | 495                  |                      | 562         |
| CLL-60012    |            | 300         | 645                  |                      | 737         |
| CLL-8002     | 800        | 50          | 455                  | 100                  | 709         |
| CLL-8006     |            | 150         | 555                  |                      | 870         |
| CLL-80012    |            | 300         | 705                  |                      | 1110        |
| CLL-10002    | 1000       | 50          | 495                  | 110                  | 949         |
| CLL-10006    |            | 150         | 595                  |                      | 1141        |
| CLL-100012   |            | 300         | 745                  |                      | 1430        |

| Model Number | Cap. (ton) | Stroke (mm) | Collaps. Height (mm) | Extended Height (mm) | Weight (Kg) |
|--------------|------------|-------------|----------------------|----------------------|-------------|
| CLSG-502     | 50         | 50          | 162                  | 212                  | 17          |
| CLSG-504     |            | 100         | 212                  | 312                  | 20          |
| CLSG-506     |            | 150         | 262                  | 412                  | 23          |
| CLSG-508     |            | 200         | 312                  | 512                  | 27          |
| CLSG-5010    |            | 250         | 362                  | 612                  | 31          |
| CLSG-5012    |            | 300         | 412                  | 712                  | 34          |
| CLSG-1002    | 100        | 50          | 182                  | 232                  | 19          |
| CLSG-1004    |            | 100         | 232                  | 332                  | 29          |
| CLSG-1006    |            | 150         | 282                  | 432                  | 40          |
| CLSG-1008    |            | 200         | 332                  | 532                  | 50          |
| CLSG-10010   |            | 250         | 382                  | 632                  | 61          |
| CLSG-10012   |            | 300         | 432                  | 732                  | 71          |
| CLSG-1502    | 150        | 50          | 196                  | 246                  | 39          |
| CLSG-1504    |            | 100         | 246                  | 346                  | 52          |
| CLSG-1506    |            | 150         | 296                  | 446                  | 65          |
| CLSG-1508    |            | 200         | 346                  | 546                  | 78          |
| CLSG-15010   |            | 250         | 396                  | 646                  | 92          |
| CLSG-15012   |            | 300         | 446                  | 746                  | 105         |
| CLSG-2002    | 200        | 50          | 216                  | 266                  | 55          |
| CLSG-2006    |            | 150         | 316                  | 466                  | 91          |
| CLSG-20012   |            | 300         | 446                  | 746                  | 146         |
| CLSG-2502    | 250        | 50          | 235                  | 285                  | 102         |
| CLSG-2506    |            | 150         | 335                  | 485                  | 136         |
| CLSG-25012   |            | 300         | 485                  | 785                  | 207         |
| CLSG-3002    | 300        | 50          | 312                  | 362                  | 184         |
| CLSG-3006    |            | 150         | 412                  | 562                  | 232         |
| CLSG-30012   |            | 300         | 562                  | 862                  | 303         |
| CLSG-4002    | 400        | 50          | 375                  | 425                  | 270         |
| CLSG-4006    |            | 150         | 475                  | 625                  | 330         |
| CLSG-40012   |            | 300         | 625                  | 925                  | 421         |
| CLSG-5002    | 500        | 50          | 419                  | 469                  | 401         |
| CLSG-5006    |            | 150         | 519                  | 669                  | 480         |
| CLSG-50012   |            | 300         | 669                  | 969                  | 599         |
| CLSG-6002    | 600        | 50          | 429                  | 479                  | 474         |
| CLSG-6006    |            | 150         | 529                  | 679                  | 565         |
| CLSG-60012   |            | 300         | 679                  | 979                  | 701         |
| CLSG-8002    | 800        | 50          | 474                  | 524                  | 741         |
| CLSG-8006    |            | 150         | 574                  | 724                  | 880         |
| CLSG-80012   |            | 300         | 724                  | 1024                 | 1058        |
| CLSG-10002   | 1000       | 50          | 564                  | 614                  | 1062        |
| CLSG-10006   |            | 150         | 664                  | 814                  | 1213        |
| CLSG-100012  |            | 300         | 814                  | 1114                 | 1439        |



**HIGH TONNAGE  
CYLINDERS**


- Max Working Pressure: 700 Bar;
- These double acting cylinders enable quick retraction and are designed to be used in all orientations;
- Base mounting holes are standard on all models; Tilt saddles are optional;
- Unique loading design enables it to bear unbalanced loads up to 3% capacity with no damage to the cylinder;

**DOUBLE ACTING JACK  
CYLINDERS**


- Max Working Pressure: 700 Bar;
- These double acting cylinders enable quick retraction and are designed to be used in all orientations;
- Base mounting holes along with ram and collar threads enable various installation options;
- Unique loading design enables it to bear unbalanced loads up to 3% capacity with no damage to the cylinder;

**DOUBLE ACTING HOLLOW  
CYLINDERS**


- These double acting cylinders enable fast and controlled retraction;
- The hollow rod design enables pulling and tensioning;
- Threaded collars enable convenient placement;
- Coated with corrosive resistant baked enamel;
- All cylinders have a nickel-plated floating centre tube to increase their working life;
- Cylinder piston rod wiper reduces contamination, extending cylinder life;
- Over-pressurisation is prevented due to built in safety valves.

| Model Number | Cap. (ton) | Stroke (mm) | Collap. Height (mm) | Ext. Height (mm) | Weight (Kg) |
|--------------|------------|-------------|---------------------|------------------|-------------|
| CLRG-502     | 50         | 50          | 162                 | 212              | 17          |
| CLRG-504     |            | 100         | 212                 | 312              | 20          |
| CLRG-506     |            | 150         | 262                 | 412              | 23          |
| CLRG-508     |            | 200         | 312                 | 512              | 27          |
| CLRG-5010    |            | 250         | 362                 | 612              | 31          |
| CLRG-5012    |            | 300         | 412                 | 712              | 34          |
| CLRG-1002    | 100        | 50          | 182                 | 232              | 19          |
| CLRG-1004    |            | 100         | 232                 | 332              | 29          |
| CLRG-1006    |            | 150         | 282                 | 432              | 40          |
| CLRG-1008    |            | 200         | 332                 | 532              | 50          |
| CLRG-10010   |            | 250         | 382                 | 632              | 61          |
| CLRG-10012   |            | 300         | 432                 | 732              | 71          |
| CLRG-1502    | 150        | 50          | 196                 | 246              | 39          |
| CLRG-1504    |            | 100         | 246                 | 346              | 52          |
| CLRG-1506    |            | 150         | 296                 | 446              | 65          |
| CLRG-1508    |            | 200         | 346                 | 546              | 78          |
| CLRG-15010   |            | 250         | 396                 | 646              | 92          |
| CLRG-15012   |            | 300         | 446                 | 746              | 105         |
| CLRG-2002    | 200        | 50          | 216                 | 266              | 55          |
| CLRG-2006    |            | 150         | 316                 | 466              | 91          |
| CLRG-20012   |            | 300         | 446                 | 746              | 146         |
| CLRG-2502    | 250        | 50          | 235                 | 285              | 102         |
| CLRG-2506    |            | 150         | 335                 | 485              | 136         |
| CLRG-25012   |            | 300         | 485                 | 785              | 207         |
| CLRG-3002    | 300        | 50          | 312                 | 362              | 184         |
| CLRG-3006    |            | 150         | 412                 | 562              | 232         |
| CLRG-30012   |            | 300         | 562                 | 862              | 303         |
| CLRG-4002    | 400        | 50          | 375                 | 425              | 270         |
| CLRG-4006    |            | 150         | 475                 | 625              | 330         |
| CLRG-40012   |            | 300         | 625                 | 925              | 421         |
| CLRG-5002    | 500        | 50          | 419                 | 469              | 401         |
| CLRG-5006    |            | 150         | 519                 | 669              | 480         |
| CLRG-50012   |            | 300         | 669                 | 969              | 599         |
| CLRG-6002    | 600        | 50          | 429                 | 479              | 474         |
| CLRG-6006    |            | 150         | 529                 | 679              | 565         |
| CLRG-60012   |            | 300         | 679                 | 979              | 701         |
| CLRG-8002    | 800        | 50          | 474                 | 524              | 741         |
| CLRG-8006    |            | 150         | 574                 | 724              | 880         |
| CLRG-80012   |            | 300         | 724                 | 1024             | 1058        |
| CLRG-10002   | 1000       | 50          | 564                 | 614              | 1062        |
| CLRG-10006   |            | 150         | 664                 | 814              | 1213        |
| CLRG-100012  |            | 300         | 814                 | 1114             | 1439        |

| Model Number | Cap. (ton) | Stroke (mm) | Collap. Height (mm) | Plunger Dia. (mm) | Weight (Kg) |
|--------------|------------|-------------|---------------------|-------------------|-------------|
| RR-1010      | 10         | 254         | 409                 | 34.9              | 12          |
| RR-1012      |            | 305         | 457                 |                   | 14          |
| RR-308       | 30         | 209         | 395                 | 54.1              | 18          |
| RR-3014      |            | 368         | 549                 |                   | 29          |
| RR-506       | 50         | 156         | 331                 | 79.5              | 30          |
| RR-5013      |            | 334         | 509                 |                   | 52          |
| RR-5020      |            | 511         | 733                 |                   | 68          |
| RR-756       | 75         | 156         | 347                 | 95.2              | 41          |
| RR-7513      |            | 333         | 525                 |                   | 68          |
| RR-1006      | 95         | 168         | 357                 |                   | 61          |
| RR-10013     |            | 333         | 524                 |                   | 93          |
| RR-10018     |            | 460         | 687                 |                   | 117         |
| RR-1502      | 140        | 57          | 196                 | 114.3             | 49          |
| RR-1506      |            | 156         | 385                 |                   | 93          |
| RR-15013     |            | 333         | 582                 |                   | 124         |
| RR-15032     |            | 815         | 1116                |                   | 238         |
| RR-2006      | 200        | 152         | 430                 | 133.4             | 147         |
| RR-20013     |            | 330         | 608                 |                   | 199         |
| RR-20018     |            | 457         | 765                 |                   | 204         |
| RR-20024     |            | 610         | 917                 |                   | 279         |
| RR-20036     |            | 914         | 1222                |                   | 383         |
| RR-20046     | 325        | 1219        | 1527                | 165.1             | 483         |
| RR-3006      |            | 153         | 485                 |                   | 200         |
| RR-30012     |            | 305         | 638                 |                   | 312         |
| RR-30018     |            | 457         | 790                 |                   | 385         |
| RR-30024     |            | 609         | 943                 |                   | 469         |
| RR-30036     | 440        | 915         | 1247                | 190.5             | 628         |
| RR-30048     |            | 1219        | 1552                |                   | 780         |
| RR-4006      |            | 152         | 538                 |                   | 303         |
| RR-40012     |            | 305         | 690                 |                   | 399         |
| RR-40018     | 520        | 457         | 843                 | 203.2             | 453         |
| RR-40024     |            | 610         | 995                 |                   | 597         |
| RR-40036     |            | 914         | 1300                |                   | 792         |
| RR-40048     |            | 1219        | 1605                |                   | 980         |
| RR-5006      | 520        | 153         | 577                 | 203.2             | 432         |
| RR-50012     |            | 305         | 730                 |                   | 589         |
| RR-50018     |            | 457         | 882                 |                   | 680         |
| RR-50024     |            | 609         | 1035                |                   | 816         |
| RR-50036     |            | 915         | 1339                |                   | 1002        |
| RR-50048     |            | 1219        | 1644                |                   | 1224        |

| Model Number | Cap. (ton) | Stroke (mm) | Collap. Height (mm) | Center Hole Dia. (mm) | Weight (Kg) |
|--------------|------------|-------------|---------------------|-----------------------|-------------|
| RRH-307      | 30         | 178         | 330                 | 33.3                  | 21          |
| RRH-3010     |            | 258         | 431                 |                       | 27          |
| RRH-603      | 60         | 89          | 247                 | 53.8                  | 28          |
| RRH-606      |            | 166         | 323                 |                       | 35          |
| RRH-6010     | 100        | 257         | 438                 | 79.2                  | 45          |
| RRH-1001     |            | 38          | 165                 |                       | 33          |
| RRH-1003     |            | 76          | 254                 |                       | 61          |
| RRH-1006     |            | 153         | 342                 |                       | 79          |
| RRH-10010    | 150        | 257         | 460                 | 146                   | 106         |
| RRH-1506     |            | 203         | 349                 |                       | 111         |
| RRH-3006     | 300        | 200         | 400                 | 146                   | 384         |

## ULTRA LOW-HEIGHT JACK CYLINDERS



- Suitable for limited work space;
- Single acting, load return;
- Working pressure: 1500 Bar;
- Up to 2000 Bar for limited times.

| Model    | Cap. (ton) | Stroke (mm) | Collaps Height (mm) | Weight (Kg) |
|----------|------------|-------------|---------------------|-------------|
| TC-00510 | 5          | 10          | 30                  | 3.6         |
| TC-01010 | 10         |             |                     | 4.1         |
| TC-02510 | 25         |             |                     | 4.6         |
| TC-05510 | 50         |             |                     | 4.5         |
| TC-10010 | 100        |             |                     | 5.2         |
| TC-12010 | 120        |             |                     | 5.9         |
| TC-15010 | 150        | 31          | 31                  | 8.5         |
| TC-20010 | 200        |             |                     | 9.5         |

## MULTISTAGE JACK CYLINDERS



- Max working pressure 700 bar.
- Single acting cylinders with heavy duty return springs and are designed to be used in all orientations.
- These flat cylinders will fit where other cylinders collapsed height will not enable placement.
- Coated with corrosive resistant baked enamel.
- Steel cylinder piston rods are hard chrome plated.
- Saddles are not required due to grooved cylinder piston rod ends.
- The stop ring avoids the piston rod over-reaching and enables maximum cylinder extension.

| Model    | Cap. (ton) | Stroke (mm) | Collaps Height (mm) | Weight (Kg) |
|----------|------------|-------------|---------------------|-------------|
| RSMB-100 | 10         | 25          | 42                  | 1.5         |
| RSMB-200 | 20         | 26          | 51                  | 2.4         |
| RSMB-300 | 30         | 53          | 58                  | 4.5         |
| RSMB-500 | 50         | 64          | 66                  | 7.0         |

## MECHANICAL JACK



- Very thin, flat design, suitable for restricted places;
- Light weight, portable design are ideal for operating without restriction;
- The material used promotes extended life;
- Lifting height can be adjusted precisely by 0.01mm.

| Model    | Cap. (ton) | Stroke (mm) | Weight (Kg) |
|----------|------------|-------------|-------------|
| SCM-0525 | 5          | 25          | 1.5         |
| SCM-1025 | 10         | 25          | 2.2         |
| SCM-2005 | 20         | 5           | 1.9         |
| SCM-3005 | 30         | 5           | 2.3         |
| SCM-5005 | 50         | 5           | 3.7         |

## HYDRAULIC TOE JACK



- Complies with ANSI/ASME B30.1, CE/GS standards.
- Designed for lifting loads with very low minimum clearance (foot) or high clearance (head).
- Can be used in confined spaces. Built in safety valve for overload protection.
- Features spring assisted return and over travel protection on 5 and 10 ton models.
- Forged base and cylinder to assure strength.

| Model | Cap. (ton) | Claw Cap (ton) | Stroke (mm) | Collapsed Height (mm) | Weight (Kg) |
|-------|------------|----------------|-------------|-----------------------|-------------|
| ST-5  | 5          | 2.5            | 110         | 240                   | 12          |
| ST-10 | 10         | 5              | 147         | 282                   | 20          |
| ST-20 | 20         | 10             | 152         | 310                   | 31          |
| ST-30 | 30         | 15             | 155         | 330                   | 42          |
| ST-50 | 50         | 25             | 155         | 370                   | 85          |

## HYDRAULIC PULLER CYLINDERS



- High strength alloy steel construction.
- Plunger blow-out protection to prevent over-extension.
- Hard chrome-plated plunger for long life.
- CR-400 coupler and included on all models.
- Baked enamel finish for increased corrosion resistance. 31% Single-acting spring return.

| Model    | Max. Pressure (bar) | Cap. (ton) | Stroke (mm) | Weight (Kg) |
|----------|---------------------|------------|-------------|-------------|
| BRC-25   | 700                 | 2.5        | 127         | 1.8         |
| BRC-46   |                     | 5          | 140         | 4.5         |
| BRC-106  |                     | 10         | 151         | 9.5         |
| BRP-106C |                     | 10         | 150         | 15.3        |
| BRP-106L |                     | 10         | 150         | 13.3        |
| BRP-306  |                     | 30         | 154         | 63.1        |
| BRP-606  |                     | 60         | 153         | 58.3        |

## TELESCOPIC JACK CYLINDERS



- Max Working Pres 26%: 700 Bar;
- Telescopic Single-acting Cylinders designed for use where there is a minimal clearance for insertion of cylinders and a very high lift is necessary;
- It can be freely used throughout 360°.

| Model     | Stage * | Cap. (ton) | Stroke (mm) | Weight (Kg) |
|-----------|---------|------------|-------------|-------------|
| BRCD-1027 | 2       | 10         | 270         | 17          |
|           | 1       |            | 135         |             |
| BRCD-1043 | 3       | 10         | 435         | 39          |
|           | 2       |            | 290         |             |
|           | 1       |            | 145         |             |
| BRCD-1530 | 2       | 15         | 300         | 26          |
|           | 1       |            | 150         |             |
| BRCD-1550 | 3       | 15         | 500         | 60          |
|           | 2       |            | 340         |             |
|           | 1       |            | 170         |             |
| BRCS-3030 | 2       | 30         | 300         | 43          |
|           | 1       |            | 150         |             |
| BRCD-3060 | 3       | 30         | 600         | 106         |
|           | 2       |            | 400         |             |
|           | 1       |            | 200         |             |





- Max Working Pressure: 700 Bar;
- Durable glass-filled nylon reservoir and nylon encapsulated aluminium pump base for maximum corrosion resistance;
- Professional choice for a wide range of industrial applications;
- Large oil capacities to power a wide range of cylinder or tools;
- Two-speed pumps provide fast pumping to meet the loading with the cylinder unloaded;
- Internal pressure relief valve for overload protection.

| Model  | Oil Cap. (cm³) | Pump Type     | Pressure Rating (bar) |           | Weight (Kg) |
|--------|----------------|---------------|-----------------------|-----------|-------------|
|        |                |               | 1st Stage             | 2nd Stage |             |
| SP-142 | 350            | Single-Acting | 13                    | 700       | 2.2         |
| SP-392 | 901            |               | 13                    | 700       | 4.0         |
| SP-80  | 2200           |               | 34                    | 700       | 10.9        |
| SP-801 | 4080           |               | 34                    | 700       | 14.1        |
| SP-462 | 7423           |               | 14                    | 700       | 26.2        |
| SP-84  | 2200           | Double-Acting | 34                    | 700       | 11.8        |
| SP-841 | 4080           |               | 34                    | 700       | 14.9        |
| SP-464 | 7423           |               | 14                    | 700       | 26.2        |

### AIR HYDRAULIC FOOT PUMP



- Built-in safety valve ensuring operating safety against overloading;
- Gauge is oil filled to prohibit shock load damage and includes an external rubber guard for added protection;
- For light and corrosion free purposes;
- The air cylinder and piston are made from 6061-T6 Aluminium Alloy;
- Air exhaust muffler for quieter operation. Air and oil inlet filters for reduced risk of damage from contamination;
- All air pumps are designed to be used with single acting cylinders.

| Model | Oil Cap. (cm³) | Pressure Rating (bar) |           | Control             | Oil Tank Material | Weight (Kg) |
|-------|----------------|-----------------------|-----------|---------------------|-------------------|-------------|
|       |                | 1st Stage             | 2nd Stage |                     |                   |             |
| 160   | 1670           | 0-6                   | 700       | Foot                | Aluminium         | 8.6         |
| 160M  | 1670           | 0-6                   | 700       | Hand Switch         | Aluminium         | 9.5         |
| 230   | 2296           | 0-6                   | 700       | Foot                | Plastic           | 11.8        |
| 450S  | 4510           | 0-6                   | 700       | Foot, Single Acting | Steel             | 12.7        |
| 450D  | 4510           | 0-6                   | 700       | Foot, Double Acting | Steel             | 12.7        |
| 700   | 7248           | 0-6                   | 700       | Foot                | Steel             | 16          |

### ULTRA-HIGH PRESSURE HYDRAULIC HAND PUMP



- It can handle up to 40,000 psi (2800 bar);
- Typical industrial applications include lifting, testing, calibration, maintenance, and repair;
- It provides two speed operation to reduce the number of handle strokes and is lighter than steel equivalents;
- The two-speed operation requires up to 78% fewer handle strokes than single-speed hydraulic hand pumps, and the handle locks into place for secure transport

| Model   | Working Pressure (MPa) | Outlet Size | Pressure Gauge Outlet | Weight (Kg) |
|---------|------------------------|-------------|-----------------------|-------------|
| SP-2282 | 280                    | G1/4"       | G1/2"                 | 6           |

### HYDRAULIC FOOT PUMP



- Rugged, durable and compact;
- Steel frame with steel drawer for maximum stability;
- Foot lock and lightweight construction for easy portability;
- Two-speed operation reduces pedal stroke;
- Large foot pad release valve for controlled load drop;
- Integrated pressure relief valve for overload protection

| Model   | Pressure Rating (bar) | Material | Weight (Kg) |
|---------|-----------------------|----------|-------------|
| P-392FP | 700                   | Steel    | 7           |
| P-400FP | 700                   | Steel    | 8           |

### ULTRA-HIGH PRESSURE HYDRAULIC HAND PUMP



- Aerospace grade aluminum titanium alloy material makes it light weight, high strength and portable;
- Two stage design with high flow and high pressure. Pressure can be set arbitrarily; Internal pressure relief valve for overload protection. Built-in energy storage mechanism
- ensures stable pressure;
- Special oil tank cover design makes the oil tank

| Model  | Working Pressure (MPa) | Outlet Size | Pressure Gauge Outlet | Weight (Kg) |
|--------|------------------------|-------------|-----------------------|-------------|
| P-1000 | 100                    | G1/4"       | G1/2"                 | 9           |
| P-1500 | 150                    | G1/4"       | G1/2"                 | 9           |
| P-2000 | 200                    | G1/4"       | G1/2"                 | 11          |
| P-2500 | 250                    | G1/4"       | G1/2"                 | 11          |
| P-3000 | 300                    | G1/4"       | G1/2"                 | 11          |
| P-4000 | 400                    | G1/4"       | G1/2"                 | 11          |

**ULTRA HIGH PRESSURE  
HYDRAULIC PUMP ELECTRIC**

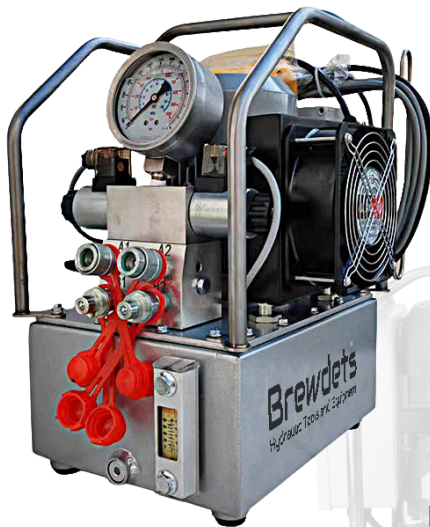
**ULTRA HIGH PRESSURE  
PNEUMATIC PUMP**

**GASOLINE ENGINE HYDRAULIC PUMP**


| Model    | Power Supply    | Max. Working Pressure (bar) | Oil Tank (L) | Weight (Kg) |
|----------|-----------------|-----------------------------|--------------|-------------|
| EPW-1500 | 380V, 50Hz, 3PH | 1500                        | 10           | 62          |
|          | 220V, 50Hz, 1PH | 1500                        | 5            | 60          |
| EPW-2500 | 380V, 50Hz, 3PH | 2500                        | 10           | 62          |
|          | 220V, 50Hz, 1PH | 2500                        | 5            | 60          |

| Model  | Working Pressure (bar) | Air Pressure (bar) | Outlet Size |
|--------|------------------------|--------------------|-------------|
| TP-150 | 1500                   | 8                  | G1/4"       |
| TP-200 | 2000                   | 8                  | G1/4"       |
| TP-250 | 2500                   | 8                  | G1/4"       |

| Model | Max. Working Pressure (bar) | Engine Power HP | Reservoir Capacity (L) | Weight (Kg) |
|-------|-----------------------------|-----------------|------------------------|-------------|
| PGM-V | 700                         | 5.5             | 30                     | 30          |
| PGM-H |                             |                 |                        |             |

**HYDRAULIC PUMP ELECTRIC TORQUE WRENCH**

**HYDRAULIC PUMP PNEUMATIC TORQUE WRENCH**


| Model          | PED204 | S/N          | 250417016 |
|----------------|--------|--------------|-----------|
| Pressure (MPa) | 1 st 6 | Flow (L/min) | 6         |
|                | 2rd 70 |              | 0.8       |
| Max Pressure   | 70Mpa  | Oil Tank     | 7.6L      |
| Motor          | 1.1KW  | Power        | 220V/50Hz |

| Model  | Air Source Parameter |                  |                         | Working Pressure     |                         |                     | Output Flow          |                         |                     | Tank Volume (L) | External Dimension (mm) | Weight (kg) | Control Mode         |
|--------|----------------------|------------------|-------------------------|----------------------|-------------------------|---------------------|----------------------|-------------------------|---------------------|-----------------|-------------------------|-------------|----------------------|
|        | Pressure Bar         | Rated Power (kw) | Air Consumption (L/min) | Low Pressure (L/min) | Middle Pressure (L/min) | High Pressure (MPa) | Low Pressure (L/min) | Middle Pressure (L/min) | High Pressure (MPa) | (L)             | (mm)                    | (kg)        |                      |
| PAD304 | 4-8                  | 1.3              | 134                     | 6                    | 32                      | 70                  | 8                    | 1.6                     | 0.8                 | 7.6             | 428*281*448             | 21          | Wired Remote Control |

## HYDRAULIC PUMP ELECTRIC 700 BAR



| Model  | Max. Working Pressure (bar) | Pump Type     | Valve Type     | Power Supply    | Oil Tank Capacity (L) |
|--------|-----------------------------|---------------|----------------|-----------------|-----------------------|
| HE-3SM | 700                         | Single Acting | Manual Valve   | 220V, 50Hz, 1PH | 5                     |
| HE-3SS |                             | Single Acting | Solenoid Valve |                 |                       |
| HE-3DM |                             | Double Acting | Manual Valve   |                 |                       |
| HE-3DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-4SM |                             | Single Acting | Manual Valve   | 220V, 50Hz, 1PH | 10                    |
| HE-4DM |                             | Double Acting | Manual Valve   |                 |                       |
| HE-4DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-5SM |                             | Single Acting | Manual Valve   | 220V, 50Hz, 1PH | 20                    |
| HE-5DM |                             | Double Acting | Manual Valve   |                 |                       |
| HE-5DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-6SM |                             | Single Acting | Manual Valve   | 380V, 50Hz, 3PH | 20                    |
| HE-6DM |                             | Double Acting | Manual Valve   |                 |                       |
| HE-6DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-7SM |                             | Single Acting | Manual Valve   | 380V, 50Hz, 3PH | 40                    |
| HE-7DM |                             | Double Acting | Manual Valve   |                 |                       |
| HE-7DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-8DM |                             | Double Acting | Manual Valve   | 380V, 50Hz, 3PH | 40                    |
| HE-8DS |                             | Double Acting | Solenoid Valve |                 |                       |
| HE-9DM |                             | Double Acting | Manual Valve   | 380V, 50Hz, 3PH | 60                    |

Note : Power Supply and Oil Tank Capacity can be Customized



## HYDRAULIC HOSE HIGH PRESSURE 700 BAR



- For demanding applications, featuring a 4:1 safety factor;
- Applicable temperature: -40°C ~100°C;
- Outside jacket is polyurethane, to provide maximum abrasion resistance;
- Both ends of hydraulic hose with NPT3/8 thread;
- Exhibits low volumetric expansion under pressure to enhance overall system efficiency;
- Supporting the use of hydraulic cylinders, hydraulic pullers, hydraulic flange tools, hydraulic torque wrenches, nut splitters and is also suitable for other 700bar pressure hydraulic tools.

| Model       | Max. Working Pressure (bar) | Length (m) | End Fitting | Weight (Kg) |
|-------------|-----------------------------|------------|-------------|-------------|
| HX-6-2SP-2  | 700                         | 1.8        | CH604       | 1.0         |
| HX-6-2SP-3  |                             | 3          |             | 1.5         |
| HX-6-2SP-5  |                             | 5          |             | 2.5         |
| HX-6-2SP-6  |                             | 6          |             | 3           |
| HX-6-2SP-10 |                             | 10         |             | 5           |
| HX-6-2SP-15 |                             | 15         |             | 7           |

HYDRAULIC COUPLERS  
HIGH PRESSURE 700 BAR

- Quick couplers can be matched with hydraulic cylinder, hydraulic flange tools, hydraulic puller and other hydraulic tools.
- High flow, high pressure resistance. Each hydraulic coupler set is equipped with dust cap.
- Base of the male coupler is galvanized.
- Optimized valve core design to ensure high flow and high sealing reliability.
- Max. working pressure: 700bar.

| Model   | Male P/N  | Female P/N | Thread  |
|---------|-----------|------------|---------|
| KMC-604 | BKMCH-604 | BKMCR-400  | NPT3/8" |
| KMA-603 | BKMAH-603 | BKMAR-603  | NPT1/4" |

HYDRAULIC COUPLERS  
ULTRA HIGH PRESSURE 1000 BAR - 2800 BAR

- Ultra high pressure hydraulic couplers can be matched with hydraulic bolt tensioner, hydraulic nut, ultra high pressure cylinder and other hydraulic tools;
- High flow, high pressure resistance, each hydraulic coupler equipped with dust cap;
- Optimized valve core design to ensure high flow and high sealing reliability;
- Max. working pressure: 150MPa, 250MPa

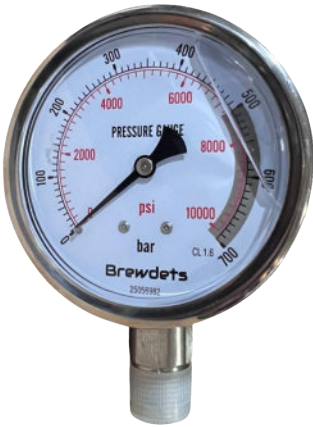
| Model    | Male P/N   | Female P/N | Thread |
|----------|------------|------------|--------|
| KMYJ-150 | BKMYJA-150 | BKMYJC-150 | G1/4"  |
| KMYJ-250 | BKMYJA-250 | BKMYJC-250 | G1/4"  |

## HYDRAULIC HOSE ULTRA HIGH PRESSURE 1000 BAR - 2800 BAR



- Four layer design, including two high strength steel wire braids;
- Outside jacket is polyurethane to provide maximum abrasion resistance;
- Low volumetric expansion under pressure to enhance overall system efficiency;
- Crimped-on rubber strain relief for improved life and durability on all models.

| Model    | Max. Working Pressure (bar) | End Fitting | Length (m) |
|----------|-----------------------------|-------------|------------|
| JH-7418  | 1000                        | 1/4" NPT    | 1.8        |
| JH-7430  |                             |             | 3.0        |
| JH-7445  |                             |             | 4.5        |
| JH-7460  |                             |             | 6.0        |
| JH-7490  |                             |             | 9.0        |
| JH-74120 |                             |             | 12.0       |
| JH-7818  |                             | 3/8" NPT    | 1.8        |
| JH-7830  |                             |             | 3.0        |
| JH-7845  |                             |             | 4.5        |
| JH-7860  |                             |             | 6.0        |
| JH-7890  |                             |             | 9.0        |
| JH-78120 |                             |             | 12.0       |
| JH-8430  | 1800                        | G1/4"       | 3.0        |
| JH-8460  |                             |             | 6.0        |
| JH-8490  |                             |             | 9.0        |
| JH-9430  |                             |             | 3.0        |
| JH-9460  |                             |             | 6.0        |
| JH-9490  |                             |             | 9.0        |

**HYDRAULIC PRESSURE GAUGE  
700 BAR - 250 BAR**


- Pointer type pressure gauge: calibrated with dual scale reading for pressure and force in psi and MPa or psi and bar;
- Stainless steel outer case, anti-impact surface design, with good safety and durability;
- External thread of gauge adaptor is connected with cylinder and pump station, female thread is connected with hose and pressure gauge.

| Model     | Max. Working Range (MPa) | Diameter (mm) | Interface Thread |
|-----------|--------------------------|---------------|------------------|
| N-63-70   | 0-70                     | 63            | NPT1/4"          |
| N-100-70  | 0-70                     | 100           | G1/2"            |
| N-100-150 | 0-150                    |               |                  |
| N-100-160 | 0-160                    |               |                  |
| N-100-180 | 0-180                    |               |                  |
| N-100-200 | 0-200                    |               |                  |
| N-100-250 | 0-250                    |               |                  |
| N-100-300 | 0-300                    |               |                  |

**GAUGE ADAPTOR**


| Model | Gauge Connector Thread (NPTF) | Male End Thread (NPTF) | Female End Thread (NPTF) |
|-------|-------------------------------|------------------------|--------------------------|
| GA-2  | 1/2"                          | 3/8"                   | 3/8"                     |
| GA-3  | 1/4"                          |                        |                          |

**HYDRAULIC MANIFOLD**


| Model | Max. Working Pressure (bar) | No. Of Outlets | Thread  |
|-------|-----------------------------|----------------|---------|
| A-2   | 700                         | 2              | NPT3/8" |
| A-4   |                             | 4              |         |
| A-6   |                             | 6              |         |
| A-8   |                             | 8              |         |
| A-10  |                             | 10             |         |
| A-21  |                             | 2              |         |
| A-41  |                             | 4              |         |

**HYDRAULIC CONTROL VALVE**

| Model                                         | Photo |
|-----------------------------------------------|-------|
| Needle Valve<br>V-82<br>V-182<br>V-8F         |       |
| Check Valve<br>V-42                           |       |
| Manual Check Valve<br>V-66<br>V-66NV<br>V-66F |       |

**HYDRAULIC MANIFOLD**

| Model                                            | Products Name         |                     |
|--------------------------------------------------|-----------------------|---------------------|
| FZ-1616                                          | Street Elbow          |                     |
|                                                  | From: 3/8"-NPT Male   | To: 3/8"-NPT Female |
| FZ-1615                                          | Reducing Connector    |                     |
|                                                  | From: 3/8"-NPT Female | To: 1/4"-NPT Female |
| FZ-1625                                          | From: 1/2"-NPT Female |                     |
|                                                  | To: 3/8"-NPT Female   |                     |
| FZ-1608<br>FZ-1619<br>FZ-1617                    | Hexagon Nipple        |                     |
|                                                  | Form:                 | To:                 |
|                                                  | 1/4"-NPT              | 1/4"-NPT            |
|                                                  | 3/8"-NPT              | 3/8"-NPT            |
|                                                  | 3/8"-NPT              | 3/8"-NPT            |
| FZ-1614<br>FZ-1605                               | Coupling              |                     |
|                                                  | Form:                 | To:                 |
|                                                  | 3/8"-NPT              | 3/8"-NPT            |
| FZ-1613                                          | Cross                 |                     |
|                                                  | From: 3/8"-NPT Male   | To: 3/8"-NPT Female |
|                                                  | Tee                   |                     |
| FZ-1612<br>FZ-1637<br>FZ-16312                   | Form:                 | To:                 |
|                                                  | 3/8"-NPT              | 3/8"-NPT            |
|                                                  | 1/4"-NPT              | 1/4"-NPT            |
| FZ-1610<br>FZ-1638                               | Elbow                 |                     |
|                                                  | Form:                 | To:                 |
|                                                  | 3/8"-NPT              | 3/8"-NPT            |
| FZ-1630<br>BFZ-1630<br>BFZ-16301                 | Reducer               |                     |
|                                                  | Form:                 | To:                 |
|                                                  | 3/8"-NPT              | 1/4"-NPT            |
| BFZ-16411<br>BFZ-16421<br>BFZ-16323<br>BFZ-16324 | Adaptor               |                     |
|                                                  | Form:                 | To:                 |
|                                                  | G1/4"                 | 1/4"-NPT            |
| BFZ-16322<br>FZ-1055<br>FZ-1642<br>FZ-1634       | Adaptor               |                     |
|                                                  | Form:                 | To:                 |
|                                                  | M14X1,5               | 3/8"-NPT            |

## HEAVY DUTY ROLLER SKATES



- The cargo trolleys can be used with roller crowbar or a jack.
- Perfect solution for indoor transport.
- Safe and effortless.
- Anti-slip countertop, alloy steel disc design, can rotate 360 degrees.

| Model  | Dimensions (L*W*H) (mm) | Max. Load (ton) | Normal Load (ton) | Weight (Kg) |
|--------|-------------------------|-----------------|-------------------|-------------|
| CRA-4  | 280*215*110             | 6               | 4                 | 13.5        |
| CRA-6  | 380*215*110             | 8               | 6                 | 20          |
| CRA-8  | 475*220*110             | 12              | 8                 | 27.5        |
| CRA-9  | 380*300*110             | 15              | 8                 | 28.5        |
| CRA-12 | 475*300*110             | 18              | 12                | 37          |
| CRA-16 | 490*390*110             | 24              | 16                | 52          |
| CRA-20 | 590*390*110             | 30              | 20                | 68          |
| CRA-25 | 590*480*110             | 36              | 25                | 82          |

## HYDRAULIC LIFTING JACK

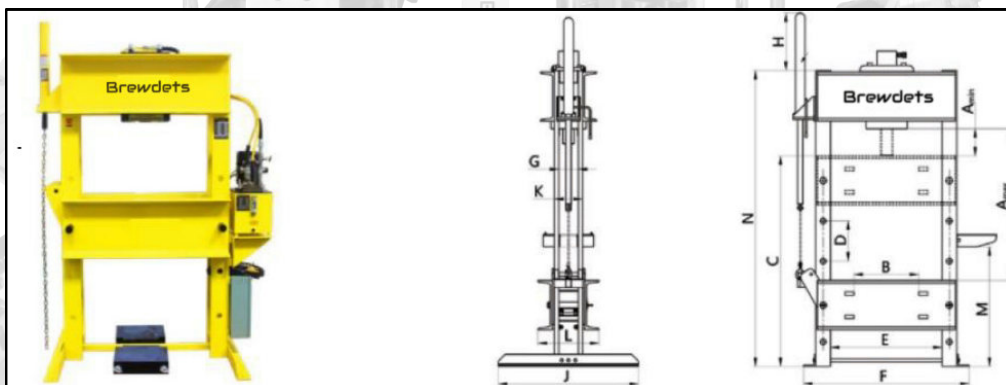


- Rugged wear-resistant heavy-duty structure extends its service life;
- All-round wheels for easy transport and placement;
- Electric drive mode, working capacity range 50-200T, suitable for various high-intensity operations;
- Adjustable handle can be adjusted in three directions for easy transport and tilt angle adjustment;
- Auxiliary ram to increase the collapsed height, significantly increase the lifting height, without need of support pad.

| Model     | Pump Type      | Cap. (ton) | Stroke (mm) | Closed Height (mm) |
|-----------|----------------|------------|-------------|--------------------|
| RJI-5013  | Electric motor | 50         | 330         | 535                |
| RJI-5020  |                | 50         | 508         | 759                |
| RJI-10013 |                | 100        | 330         | 549                |
| RJI-10018 |                | 100        | 457         | 713                |

| Model         | Capacity (ton) | Max. Daylight (mm) |            | Cylinder Stroke | Weight (Kg) |
|---------------|----------------|--------------------|------------|-----------------|-------------|
|               |                | Vertical           | Horizontal |                 |             |
| VLP-106P142   | 10             | 430                | 435        | 155             | 49.0        |
| VLP-106PAT1   |                |                    |            |                 | 54.0        |
| VLP-256P392   | 25             | 1225               | 510        | 159             | 165.0       |
| VLP-256PAT1   |                |                    |            |                 | 170.0       |
| VLP-506P802   | 50             | 993                | 990        | 159             | 595.0       |
| VLP-506ZE5S   |                |                    |            | 155             | 675.0       |
| VLP-506ZE5C   |                |                    |            | 155             | 660.0       |
| VLP-5013ZE5S  |                |                    |            | 333             | 700.0       |
| VLP-1006ZE3C  | 100            | 989                | 990        | 168             | 962         |
| VLP-1006ZE3S  |                |                    |            |                 | 970         |
| VLP-10013ZE3S |                |                    |            | 333             | 993         |
| VLP-20013ZE4S | 200            | 1340               | 1220       | 333             | 1992        |

- Heavy-duty welded frame to enhance the strength and durability;
- Standard power sources and hydraulic cylinders to ensure high performance and barrier-free operation;
- All Presses are equipped with heavy-duty rubber hose to ensure long service life;
- 25T, 50T and 100T Presses are equipped with turbine and vortex rod lifting devices, and can be safely and easily adjusted;
- Max. working pressure is 70Mpa.





## HYDRAULIC PULLERS MASTER PULLER SET



- Supplier with a full hydraulic set including pump, hose, cylinder, gauge, gauge adaptor and wooden case;
- All master puller sets include a Grip Puller, a Cross Bearing Puller, a Bearing Cup Puller and Bearing Puller Attachment;
- High quality, forged steel components provide superior reliability and service;
- Sets include speed crank and adjusting screw for fast contact to work before hydraulic pressure are applied.

| Capacity (ton)         | 8        | 20        | 30        | 50        |
|------------------------|----------|-----------|-----------|-----------|
| Model                  | BHP-1752 | BHP-2751G | BHP-3751G | BHP-5751G |
| Weight of the Set (Kg) | 37       | 90        | 172       | 298       |
| Hand Pump              | B-P392   | B-P392    | B-P392    | B-P392    |
| Hydraulic Cylinder     | B-RCH121 | B-RCH202  | B-RCH302  | B-RCH603  |
| Saddle                 | -        | HP-2015   | HP-3015   | HP-5016   |
| Hose (m)               | 1.8      | 1.8       | 1.8       | 1.8       |
| Pressure Gauge         | ✓        | ✓         | ✓         | ✓         |
| Gauge Adaptor          | ✓        | ✓         | ✓         | ✓         |
| Included Pullers       | BHP-1762 | BHP-252   | BHP-352   | BHP-552   |
|                        | BHP-1772 | BHP-262   | BHP-362   | BHP-562   |
|                        | BHP-180  | BHP-280   | BHP-380   | BHP-580   |
|                        | BHP-181  | BHP-282   | BHP-382   | BHP-582   |

## HYDRAULIC PULLERS GRIP PULLER SET



- Precise hydraulic control allows fast, efficient, and safe puller;
- High quality, forged steel components provide superior reliability and service.

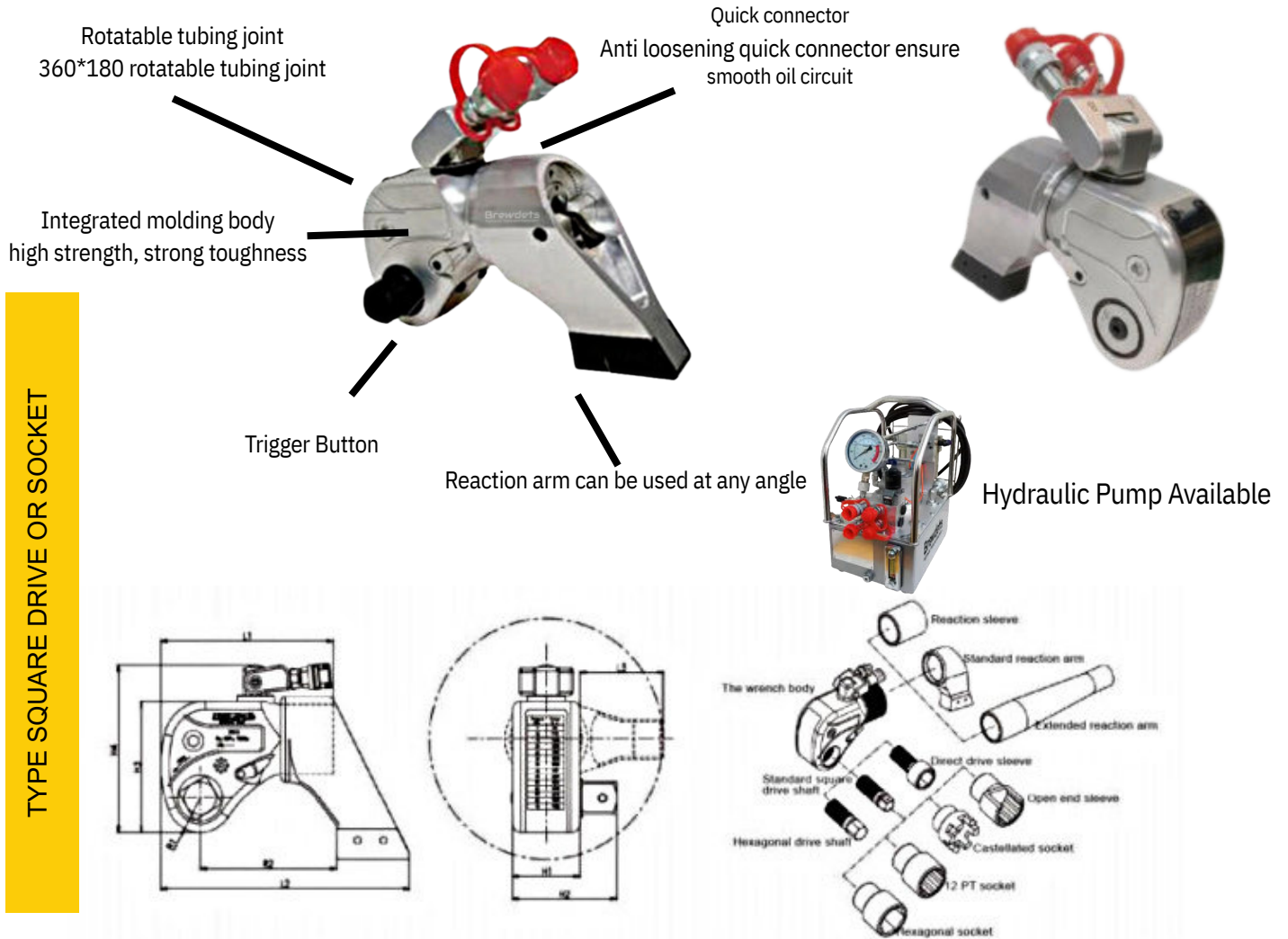
| Capacity (ton)         | 8        | 20           | 30        | 50            |
|------------------------|----------|--------------|-----------|---------------|
| Model                  | BHP-152  | BHP-251G     | BHP-351G  | BHP-551G      |
| Weight of the Set (Kg) | 22       | 56           | 91        | 160           |
| Hand Pump              | B-P392   | B-P392       | B-P392    | B-P392        |
| Hydraulic Cylinder     | B-RCH121 | B-RCH202     | B-RCH302  | B-RCH603      |
| Saddle                 | -        | HP-2015      | HP-3015   | HP-5016       |
| Hose (m)               | 1.8      | 1.8          | 1.8       | 1.8           |
| Pressure Gauge         | ✓        | ✓            | ✓         | ✓             |
| Gauge Adaptor          | ✓        | ✓            | ✓         | ✓             |
| Grip Puller            |          |              |           |               |
| Max. Spread (mm)       | 2 Jaws   | 249          | 400       | 593           |
|                        | 3 Jaws   | 249          | 499       | 800           |
| Reach (mm)             | 2 Jaws   | 252          | 300       | 387           |
|                        | 3 Jaws   | 252          | 300       | 387           |
| Adj. Screw (mm)        | Thick.   | 15           | 20        | 24            |
|                        | Width    | 23           | 27        | 38            |
|                        | Thread   | 3/4" - 16UNF | 1" - 8UNC | 1-1/4" - 7UNC |
|                        | Length   | 400          | 675       | 795           |

## HYDRAULIC PULLERS CROSSING BEARING PULLER SET



- Precise hydraulic control allows fast, efficient, and safe puller;
- High quality, forged steel components provide superior reliability and service;
- Full set includes: hollow cylinder, hand pump, hydraulic hose, pressure gauge and gauge adaptor.

| Capacity (ton)         | 8        | 20           | 30         | 50            |
|------------------------|----------|--------------|------------|---------------|
| Model                  | BHP-162  | BHP-261G     | BHP-361G   | BHP-561G      |
| Weight of the Set (Kg) | 26       | 62           | 121        | 185           |
| Hand Pump              | B-P392   | B-P392       | B-P392     | B-P80         |
| Hydraulic Cylinder     | B-RCH121 | B-RCH202     | B-RCH302   | B-RCH603      |
| Saddle                 | -        | HP-2015      | HP-3015    | HP-5016       |
| Hose (m)               | 1.8      | 1.8          | 1.8        | 1.8           |
| Pressure Gauge         | ✓        | ✓            | ✓          | ✓             |
| Gauge Adaptor          | ✓        | ✓            | ✓          | ✓             |
| Cross Bearing Puller   |          |              |            |               |
| Max. Spread (mm)       | Max.     | 266          | 351        | 454           |
|                        | Min.     | 106          | 139        | 179           |
| Reach (mm)             | Max.     | 462          | 571        | 711           |
|                        | Min.     | 106          | 139        | 179           |
| Adj. Screw (mm)        | Dia.     | 3/4" - 16UNF | 1" - 8UNC  | 1-1/4" - 7UNC |
|                        | Length   | 400          | 675        | 795           |
| Rod (mm)               | Length   | 105          | 239        | 203           |
|                        | Length   | 354          | 419        | 457           |
|                        | Length   | -            | 571        | 711           |
|                        | Length   | -            | 114        | -             |
| Rod Upper End          | Thread   | 3/4"-16*25   | 3/4"-16*25 | 1-1/4*35      |
|                        | Thread   | 5/8"-18*25   | 5/8"-18*25 | 1-1/4 - 12*38 |
| Rod Lower End          | Thread   | 5/8"-18*25   | 5/8"-18*25 | 1-1/4*27      |
|                        | Thread   | 5/8"-18*25   | 5/8"-18*25 | 1-1/4 - 12*38 |
| Bearing Cup Puller     | BHP-180  | BHP-180      | BHP-380    | BHP-580       |
| Bearing Puller         | BHP-181  | BHP-282      | BHP-382    | BHP-582       |



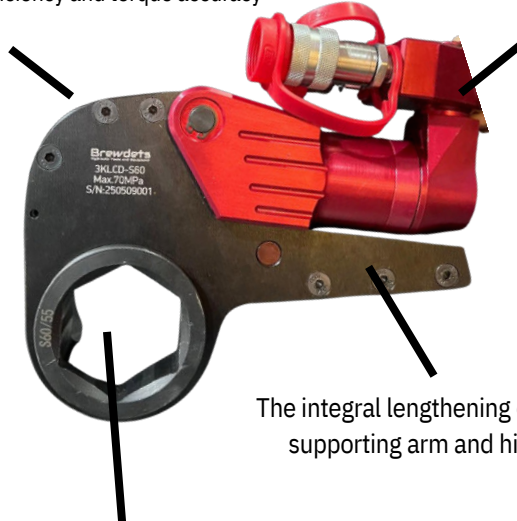
Hydraulic bolting tools - Driven type hydraulic torque wrench - Technical Parameters

| Model               | 1MXTD       | 2MXTD       | 3MXTD       | 5MXTD       | 8MXTD         | 10MXTD        | 15MXTD        | 20MXTD        | 25MXTD        | 35MXTD        | 45MXTD        | 50MXTD        | 95MXTD          |
|---------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|
| <b>Torque(Nm)</b>   | 185<br>1852 | 302<br>3017 | 436<br>4364 | 779<br>7790 | 1072<br>10715 | 1553<br>15528 | 2050<br>20501 | 2617<br>26171 | 3493<br>34928 | 4963<br>49627 | 6139<br>61386 | 7032<br>70315 | 14085<br>140848 |
| <b>Weight(kg)</b>   | 2.7         | 3.6         | 4.8         | 8.8         | 12            | 14.5          | 19            | 25            | 37.5          | 44            | 63            | 89            | 155             |
| <b>L1(mm)</b>       | 138         | 149         | 168         | 207         | 226           | 250           | 281           | 304           | 331           | 390           | 397           | 418           | 520             |
| <b>L2(mm)</b>       | 194         | 213         | 244         | 296         | 326           | 366           | 402           | 442           | 483           | 558           | 570           | 596           | 758             |
| <b>L3(mm)</b>       | 63          | 70          | 79          | 99          | 110           | 120           | 132           | 146           | 158           | 177           | 188           | 195           | 246             |
| <b>H1(mm)</b>       | 50          | 60          | 70          | 80          | 90            | 100           | 112           | 120           | 138           | 150           | 163           | 166           | 210             |
| <b>H2(mm)</b>       | 73          | 87          | 99          | 124         | 133           | 143           | 165           | 183           | 202           | 219           | 226           | 236           | 307             |
| <b>H3(mm)</b>       | 96          | 111         | 125         | 152         | 170           | 186           | 208           | 226           | 250           | 282           | 295           | 300           | 415             |
| <b>H4(mm)</b>       | 140         | 157         | 165         | 193         | 211           | 227           | 249           | 267           | 291           | 323           | 360           | 366           | 473             |
| <b>R1(mm)</b>       | 26          | 29          | 34          | 40          | 46            | 50            | 56            | 60            | 66            | 77            | 79            | 82            | 115             |
| <b>R2(mm)</b>       | 107         | 112         | 132         | 162         | 178           | 199           | 218           | 240           | 260           | 298           | 303           | 325           | 400             |
| <b>square drive</b> | 3/4"        | 1"          | 1"          | 1-1/2"      | 1-1/2"        | 1-1/2"        | 2"            | 2-1/2"        | 2-1/2"        | 2-1/2"        | 2-1/2"        | 3"            | 4"              |

Note: The selection of the product depends on bolt tightening and disassemble torque values, which will vary according to the bolt diameter, material, operation conditions and equipment manufacturer requirements. The torque value range in the above table is for reference only. Please refer to the pressure/torque comparison table delivered with the actual output torque value. Parameters in the table are subject to change without prior notice.

The check pawl is designed to overcome the ratchet wheel reversing of the wrench improve work efficiency and torque accuracy

360°\*270° swivel joint allows free operation with no space limitation

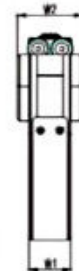
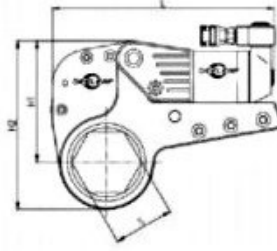
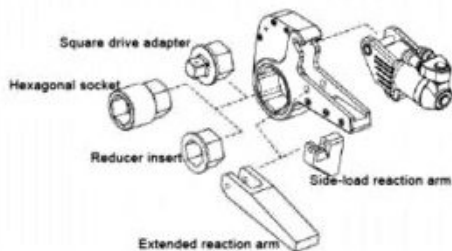


The integral lengthening design has longer supporting arm and higher reliability

Hollow design, the wrench directly acting on nuts, more accurate torque, more convenient to use



Hydraulic Pump Available



## Hydraulic Bolting Tools - Hollow Hydraulic Wrench - Technical Parameters

| Model                              | 2KLCD       | 3KLCD       | 4KLCD       | 8KLCD         | 14KLCD        | 18KLCD        | 20KLCD        | 30KLCD        | 40KLCD        | 45KLCD        | 60KLCD        |
|------------------------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Torque(Nm)</b>                  | 237<br>2370 | 345<br>3446 | 546<br>5458 | 1055<br>10550 | 1848<br>18484 | 2481<br>24814 | 2909<br>29089 | 4231<br>42311 | 5209<br>52088 | 6057<br>60566 | 8581<br>85810 |
| <b>Nut Range (mm)</b>              | 36-55       | 36-60       | 46-80       | 46-105        | 70-115        | 80-120        | 90-130        | 90-145        | 120-145       | 130-155       | 135-180       |
| <b>Weight of Power head (kg)</b>   | 0.8         | 0.8         | 1.9         | 4.2           | 6.8           | 8.1           | 10.5          | 12.7          | 15.2          | 16.3          | 23            |
| <b>Weight of working head (kg)</b> | 1.5         | 1.7         | 3.6         | 7.6           | 12.2          | 19.3          | 22.3          | 32.3          | 47.5          | 58.7          | 75            |
| <b>L(mm)</b>                       | 192         | 218         | 266         | 324           | 382           | 404           | 427           | 479           | 479           | 486           | 514           |
| <b>H1(mm)</b>                      | 105         | 118         | 139         | 171           | 205           | 229           | 240           | 268           | 285           | 311           | 336           |
| <b>W1(mm)</b>                      | 147         | 156         | 167         | 198           | 231           | 255           | 265           | 289           | 302           | 352           | 375           |
| <b>H2(mm)</b>                      | 32          | 32          | 42          | 53            | 64            | 68            | 70            | 85            | 98            | 105           | 117           |
| <b>W2(mm)</b>                      | 50          | 50          | 66          | 83            | 99            | 105           | 110           | 132           | 148           | 160           | 117           |

Note: The selection of the product depends on bolt tightening and disassemble torque values, which will vary according to the bolt diameter, material, operation conditions and equipment manufacturer requirements. The torque value range in the above table is for reference only. Please refer to the pressure/torque comparison table delivered with the actual output torque value. Parameters in the table are subject to change without prior notice.



## ELECTRIC TORQUE WRENCH



| Model    | Torque Range (Nm) | Square | Max. Speed (rpm) | Weight (Kg) |
|----------|-------------------|--------|------------------|-------------|
| SEW-08S  | 100-800           | 3/4"   | 24               | 6.7         |
| SEW-12S  | 200-1200          | 1"     | 20               | 6.8         |
| SEW-26S  | 400-2600          | 1"     | 8                | 8.6         |
| SEW-38S  | 500-3800          | 1 1/2" | 5                | 9.2         |
| SEW-60S  | 1000-6000         | 1 1/2" | 4                | 16.0        |
| SEW-80S  | 1200-8000         | 1 1/2" | 2                | 18.0        |
| SEW-100S | 1800-10000        | 1 1/2" | 2                | 18.2        |
| SEW-120S | 2000-12000        | 1 1/2" | 1.5              | 18.4        |

## CORDLESS TORQUE WRENCH



| Model    | Torque Range (Nm) | Square | Max. Speed (rpm) | Weight (Kg) |
|----------|-------------------|--------|------------------|-------------|
| SEW-08A  | 100-800           | 3/4"   | 24               | 7.8         |
| SEW-12A  | 200-1200          | 1"     | 20               | 8.0         |
| SEW-26A  | 400-2600          | 1"     | 8                | 9.6         |
| SEW-38A  | 500-3800          | 1 1/2" | 5                | 10.0        |
| SEW-60A  | 1000-6000         | 1 1/2" | 4                | 17.0        |
| SEW-80A  | 1200-8000         | 1 1/2" | 2                | 19.0        |
| SEW-100A | 1800-10000        | 1 1/2" | 2                | 19.2        |
| SEW-120A | 2000-12000        | 1 1/2" | 1.5              | 19.5        |

## PNEUMATIC TORQUE WRENCH



| Model    | Torque Range (Nm) | Square | Max. Speed (rpm) | Weight (Kg) |
|----------|-------------------|--------|------------------|-------------|
| SPW-05SS | 100-500           | 3/4"   | 50               | 4.0         |
| SPW-10SS | 150-1000          | 3/4"   | 28               | 4.8         |
| SPW-15SS | 200-1500          | 1"     | 21               | 5.2         |
| SPW-20SS | 300-2000          | 1"     | 15               | 5.5         |
| SPW-30SS | 500-3000          | 1"     | 10               | 7.5         |
| SPW-40SS | 700-4000          | 1 1/2" | 7                | 9.5         |
| SPW-60SS | 1000-6000         | 1 1/2" | 5                | 14.0        |
| SPW-80SS | 2000-8000         | 1 1/2" | 4                | 18.0        |

## CORDLESS TORQUE WRENCH



| Model  | Torque Range (Nm) | Square | Max. Speed (rpm) | Weight (Kg) |
|--------|-------------------|--------|------------------|-------------|
| BEW-05 | 100-500           | 3/4"   | 26               | 4.3         |
| BEW-10 | 130-1000          | 3/4"   | 18               | 4.8         |
| BEW-15 | 180-1500          | 1"     | 8                | 5.2         |
| BEW-20 | 250-2100          | 1"     | 6                | 5.5         |
| BEW-30 | 480-3100          | 1"     | 3.5              | 7.5         |
| BEW-40 | 650-4000          | 1"     | 3.2              | 9.5         |
| BEW-50 | 850-5000          | 1 1/2" | 2.5              | 10.0        |
| BEW-60 | 1100-6000         | 1 1/2" | 1.8              | 12.0        |
| BEW-80 | 1900-8000         | 1 1/2" | 1.5              | 14.0        |

TYPE SPRING RETURN



TYPE LOAD RETURN



Maximum Operating Pressure

**21,750 psi**

| Model | Thread |       | Max. Tension Force<br>kN | Max Stroke mm |
|-------|--------|-------|--------------------------|---------------|
|       | Metric | Inch  |                          |               |
| ST-1  | M24    | 1     | 282                      | 8             |
|       | M27    | 1-1/8 |                          |               |
| ST-2  | M24    | 1     | 452                      | 10            |
|       | M27    | 1-1/8 |                          |               |
|       | M30    | 1-1/8 |                          |               |
|       | M33    | 1-1/4 |                          |               |
|       | M36    | 1-3/8 |                          |               |
| ST-3  | M39    | 1-1/2 | 671                      |               |
|       | M42    | 1-5/8 |                          |               |
|       | M45    | 1-3/4 |                          |               |
|       | M48    | 1-7/8 |                          |               |
| ST-4  | M39    | 1-1/2 | 1009                     |               |
|       | M42    | 1-5/8 |                          |               |
|       | M45    | 1-3/4 |                          |               |
|       | M48    | 1-7/8 |                          |               |
| ST-5  | M52    | 2     | 1538                     |               |
|       | M56    | 2-1/4 |                          |               |
|       | M60    | 2-3/8 |                          |               |
|       | M64    | 2-1/2 |                          |               |
|       | M68    | 2-3/4 |                          |               |
| ST-6  | M72    | 2-1/2 | 2544                     | 12            |
|       | M76    | 2-3/4 |                          |               |
|       | M80    | 3-1/4 |                          |               |
|       | M85    | 3-3/8 |                          |               |
|       | M90    | 3-1/2 |                          |               |
| ST-7  | M90    | 3-1/2 | 3216                     |               |
|       | M95    | 3-3/4 |                          |               |
|       | M100   | 4     |                          |               |

| Model | Thread |       | Max. Tension<br>Force kN | Weight (Kg) |
|-------|--------|-------|--------------------------|-------------|
|       | Metric | Inch  |                          |             |
| HLD-1 | 16     |       | 226                      | 3.5         |
|       | 18     | 3/4   |                          |             |
|       | 20     |       |                          |             |
|       | 22     | 7/8   |                          | 3.0         |
|       | 24     | 1     |                          |             |
|       | 27     | 1 1/8 |                          |             |
| HLD-2 | 30     |       | 455                      | 5.0         |
|       | 33     | 1 1/4 |                          |             |
|       | 36     | 1 3/8 |                          |             |
|       | 39     | 1 1/2 |                          |             |
| HLD-3 | 39     | 1 1/2 | 803                      | 9.0         |
|       | 42     | 1 5/8 |                          |             |
|       | 45     | 1 3/4 |                          |             |
|       | 48     | 1 7/8 |                          |             |
|       | 52     | 2     |                          |             |
| HLD-4 | 48     | 1 7/8 | 1288                     | 15.0        |
|       | 52     | 2     |                          |             |
|       | 56     | 2 1/4 |                          |             |
|       | 60     |       |                          |             |
|       | 64     | 2 1/2 |                          |             |
| HLD-5 | 64     | 2 1/2 | 1978                     | 25.0        |
|       | 68     |       |                          |             |
|       | 72     | 2 3/4 |                          |             |
|       | 76     | 3     |                          |             |
| HLD-6 | 76     | 3     | 2717                     | 44.0        |
|       | 80     |       |                          |             |
|       | 85     | 3 1/4 |                          |             |
|       | 90     | 3 1/2 |                          |             |
|       | 95     | 3 3/4 |                          | 40.5        |
|       | 100    | 4     |                          |             |
| HLD-7 | 105    | 4 1/8 | 3841                     | 76.0        |
|       | 110    | 4 1/4 |                          | 71.0        |
|       | 120    | 4 3/4 |                          |             |
|       | 125    | 5     |                          |             |

## FLANGE SPREADER



- Max Working Pressure: 700 Bar;
- For maintenance, commissioning, shutdowns, testing and valve change outs;
- No need for hammers, chisels, slings or chain blocks;
- Requires very small access gap of only 6 mm;
- Both mechanical and hydraulic options available.

## 15 TON INTEGRAL HYDRAULIC FLANGE SPREADER



- Portable and compact design;
- No need extra hose and pump

## 14 TON MECHANICAL FLANGE SPREADER



- Removable handle for improved access;
- No finger pinch-points;
- Practical, portable and light in weight;
- Increased step depth on upper steps.

| Model  | Max. Force (ton) | Tip Clearance (mm) | Max. Spread (mm) | Weight (Kg) |
|--------|------------------|--------------------|------------------|-------------|
| FSM-8  | 8                | 6                  | 81               | 6.5         |
| FSM-16 | 8x2              | 6                  | 81               | 13.0        |
| FSH-14 | 14               | 6                  | 81               | 7.0         |
| FSH-28 | 14x2             | 6                  | 81               | 14.0        |

| Model  | Max. Force (ton) | Tip Clearance (mm) | Max. Spread (mm) | Weight (Kg) |
|--------|------------------|--------------------|------------------|-------------|
| FSC-15 | 15               | 6                  | 81               | 10          |

| Model    | Max. Force (ton) | Tip Clearance (mm) | Max. Spread (mm) | Weight (Kg) |
|----------|------------------|--------------------|------------------|-------------|
| FSW-14TM | 14               | 6                  | 103.5            | 13          |

## 24 TON EXTERNAL HYDRAULIC FLANGE SPREADER



- Requires access gap of only 6mm;
- Increased step depth on upper steps;
- Rapid assembly and disassembly;
- Working pressure: 700bar

## 24 TON INTEGRAL HYDRAULIC FLANGE SPREADER



- Working Pressure: 700 bar;
- Practical, portable, and light in weight;
- Requires access gap of only 6mm;
- No need extra hose and pump;
- Rapid disassembly and assembly

| Model    | Max. Force (ton) | Tip Clearance (mm) | Max. Spread (mm) | Weight (Kg) |
|----------|------------------|--------------------|------------------|-------------|
| FSW-25TM | 24               | 6                  | 103.5            | 15          |

| Model    | Max. Force (ton) | Tip Clearance (mm) | Max. Spread (mm) | Weight (Kg) |
|----------|------------------|--------------------|------------------|-------------|
| FSW-25TI | 24               | 6                  | 103.5            | 14          |

## HYDRAULIC WEDGIE AND SPREAD CYLINDER



- Single acting, spring return;
- WR-15: For long stroke spreading applications;
- WR-13: Integrated pump offers portable power;
- WR-5: For use very confined work area

| Model | Cap. (ton) | Tip Clearance (mm) | Oil Cap. (cm³) | Weight (Kg) |
|-------|------------|--------------------|----------------|-------------|
| WR-5  | 24         | 9/94               | 10.0           | 2.3         |
| WR-15 | 0.75       | 32/292             | 64.1           | 11.3        |
| WR-13 | 1.5        | 25/94              | -              | 12.0        |

## HYDRAULIC FLANGE SPREADER



- Compact and ergonomic design, easy to use;
- Adjustable jaw widths from 70mm to 216mm for a wide range of applications;
- Single-acting, spring return cylinders for fast, trouble-free operation.

| Model  | Stud Size (mm) | Cap. (ton) | Stroke (mm) | Weight (Kg) |
|--------|----------------|------------|-------------|-------------|
| FS-56  | 19-28          | 5          | 38          | 11.5        |
| FS-109 | 31-41          | 10         | 54          | 18.0        |

## VERTICAL LIFTING WEDGE



- Max Working Pressure: 700 Bar;
- Min installation space 10mm;
- Capacity is 16 ton @ 700 Bar;
- Every step can bear full load;
- Vertical lifting;
- Unique chain lock wedge shape design;
- Single acting, spring return;
- Including safety block SB-2.

| Model | Max. Lifting Cap (ton) | Min. Width (mm) | Max. Spread (mm) | Weight (Kg) |
|-------|------------------------|-----------------|------------------|-------------|
| LW-16 | 16                     | 10              | 81               | 9.0         |



## Z TYPE MANUAL TORQUE MULTIPLIER



- Ideal for nut dimension application in confined space, light weight and easy handling;
- Planetary gear train multipliers torque output;
- Reaction foot can adjust to replace all types of impact sockets in 360° degrees;
- Applicable to a variety of large diameter bolt nut;
- Customized orders are welcomed according to individual requirements.

| Model | Torque Range (Nm) | Nut A/F Size | Bolt Dia. | Weight (Kg) |
|-------|-------------------|--------------|-----------|-------------|
| 10-W  | 1000              | S30-46       | M20-30    | 2.6         |
| 20-W  | 2000              | S32-55       | M22-36    | 3.9         |
| 35-W  | 3500              | S46-70       | M30-45    | 5.5         |
| 55-W  | 5500              | S55-80       | M36-52    | 7.5         |
| 75-W  | 7500              | S65-90       | M42-60    | 10.0        |
| 100-W | 10000             | S80-105      | M52-72    | 17.0        |

## L TYPE MANUAL TORQUE MULTIPLIER



| Model | Torque Range (Nm) | Nut A/F Size | Bolt Dia. | Weight (Kg) |
|-------|-------------------|--------------|-----------|-------------|
| 10-F  | 1000              | S30-46       | M20-30    | 2.6         |
| 20-F  | 2000              | S32-55       | M22-36    | 3.9         |
| 35-F  | 3500              | S46-70       | M30-45    | 5.5         |
| 55-F  | 5500              | S55-80       | M36-52    | 7.5         |
| 75-F  | 7500              | S65-90       | M42-60    | 10.0        |
| 100-F | 10000             | S80-105      | M52-72    | 17.0        |
| 150-F | 15000             | S90-115      | M60-80    | 25.0        |
| 200-F | 20000             | S105-135     | M72-95    | 31.0        |

## HEAVY DUTY HYDRAULIC NUT SPLITTER



- Single-acting, spring return;
- Tri-blade technology provides three cutting surfaces on a single blade;
- Interchangeable heads provide maximum nut range flexibility;
- Preset scale allows controlled blade extension, which avoids damage to bolt threads;
- Grip tape and handle included for more secure maneuverability;
- Nickel-plated cylinder body for excellent corrosion protection and improved durability in harsh environments;
- Internal pressure relief valve for overload protection.

| Model     | Nut A/F Size | Cap. (ton) | Bolt Dia. | Weight (Kg) |
|-----------|--------------|------------|-----------|-------------|
| NS-7080   | 70-80        | 103        | M45-52    | 37.0        |
| NS-7085   | 70-85        | 103        | M45-56    | 37.0        |
| NS-7095   | 70-95        | 103        | M45-64    | 39.0        |
| NS-70105  | 70-105       | 103        | M45-72    | 40.0        |
| NS-110115 | 110-115      | 103        | M76-80    | 69.0        |
| NS-110130 | 110-115      | 103        | M76-90    | 72.0        |

## MECHANICAL NUT SPLITTER



- Body carbon steel drop-forged, and chrome plated cr-v steel blade

| Model | Nut A/F Size | Weight (Kg)          |
|-------|--------------|----------------------|
| NT-1  | 9-12mm       | 1.6 Kg/<br>4 pcs set |
| NT-2  | 12-16mm      |                      |
| NT-3  | 16-22mm      |                      |
| NT-4  | 19-24mm      |                      |

## INTEGRAL HYDRAULIC NUT SPLITTER



| Model   | Cap (ton) | Nut A/F Size (mm) | Bolt Diameter |
|---------|-----------|-------------------|---------------|
| NI-2432 | 15        | 24-32             | M16-22        |
| NI-3241 | 20        | 32-41             | M22-27        |
| NI-4150 | 35        | 41-50             | M27-33        |

## HYDRAULIC NUT SPLITTER



- Compact and ergonomic design, easy to use;
- Unique angled head design;
- Single-acting spring return cylinder;
- Matched with hand pump & hose.

| Model   | Nut A/F Size (mm) | Cap. (ton) | Bolt Dia. | Weight (Kg) |
|---------|-------------------|------------|-----------|-------------|
| NC-1319 | 10-19             | 5          | M6-12     | 1.2         |
| NC-1924 | 19-24             | 10         | M12-16    | 2.6         |
| NC-2432 | 24-32             | 15         | M16-22    | 4.0         |
| NC-3241 | 32-41             | 20         | M22-27    | 5.4         |
| NC-4150 | 41-50             | 35         | M27-33    | 10.0        |
| NC-5060 | 50-60             | 50         | M33-39    | 17.0        |
| NC-6075 | 60-75             | 90         | M39-48    | 34.1        |

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