

## INTRODUCTION

### VALVES AND SEATS

TSC offers a full range of valves and seats test to withstand the harshest service conditions. Available in Full Open, 3 Web design & 4 Web design valve and seat.

#### FULL OPEN VALVE AND SEAT

##### Features

- Forged alloy construction.
- Heat treated wear and guide surfaces.
- Precision machined and manufactured to API standards.
- Precision molded Urethane inserts.
- Rubber and specialized inserts available.
- Associated parts, springs, guides & pullers.



#### 3 WEB DESIGN / 4 WEB DESIGN VALVE AND SEAT

##### Features

- Heat treated premium alloy steel.
- Easy replacement of insert with a minimum of down time.
- Long-lasting service life.



## FLUID END EXPENDABLES

NATIONAL

12-P-160

7-1/2 x 12

|                            | LINERS          | ZIRCONIA LINERS        | LINER GASKETS            | PISTONS               |                 |                                  |                    | PISTON RUBBERS           |
|----------------------------|-----------------|------------------------|--------------------------|-----------------------|-----------------|----------------------------------|--------------------|--------------------------|
| SIZE                       | PART NUMBER     | PART NUMBER            | PART NUMBER              | URETHANE BONDED       | RUBBER BONDED   | N'DURALL BONDED                  | REPLACEABLE RUBBER | PART NUMBER              |
| 4"                         | TS-0259-40HP    | TS-07466400            | G-265 *                  | LLU-40-K15            | LL-40-K15       | HPW-40-K15                       | I-40-K15           | TM-40-KR                 |
| 4 1/2"                     | TS-0259-44HP    | TS-07466450            | G-265 *                  | LLU-44-B15            | LL-44-B15       | HPW-44-B15                       | I-44-B15           | TM-44-BR                 |
| 5"                         | TS-0259-50HP    | TS-07466500            | G-265 *                  | LLU-50-B15            | LL-50-B15       | HPW-50-B15                       | I-50-B15           | TM-50-BR                 |
| 5 1/2"                     | TS-0259-54HP    | TS-07466550            | G-263 *                  | LLU-54-B15            | LL-54-B15       | HPW-54-B15                       | I-54-B15           | TM-54-BR                 |
| 5 3/4"                     | TS-0259-56HP    | TS-07466575            | -                        | LLU-56-B15            | LL-56-B15       | HPW-56-B15                       | I-56-B15           | TM-56-BR                 |
| 6"                         | TS-0259-60HP    | TS-07466600            | G-261 *                  | LLU-60-B15            | LL-60-B15       | HPW-60-B15                       | I-60-B15           | TM-60-BR                 |
| 6 1/4"                     | TS-0259-62HP    | TS-07466625            | G-283 *                  | LLU-62-L15            | LL-62-L15       | HPW-62-L15                       | I-62-L15           | TM-62-LR                 |
| 6 1/2"                     | TS-0259-64HP    | TS-07466650            | G-284 *                  | LLU-64-L15            | LL-64-L15       | HPW-64-L15                       | I-64-L15           | TM-64-LR                 |
| 6 3/4"                     | TS-0259-66HP    | TS-07466675            | G-287 *                  | LLU-66-L15            | LL-66-L15       | HPW-66-L15                       | I-66-L15           | TM-66-LR                 |
| 7"                         | TS-0259-70HP    | TS-07466700            | G-285 *                  | LLU-70-L15            | LL-70-L15       | HPW-70-L15                       | I-70-L15           | TM-70-LR                 |
| VALVES, SEATS, SPRINGS     |                 |                        |                          |                       |                 | GASKETS                          |                    |                          |
|                            | 4 WEB DESIGN    |                        | 3 WEB DESIGN             | FULL OPEN ( 1 )       | FULL OPEN ( 2 ) |                                  |                    | PART NUMBER              |
| VALVE                      | TS-7-EEF        |                        | -                        | TS-0985M              | TS-7-V1         | VALVE COVER GASKET               |                    | G-787 *                  |
| SEAT                       | TS-7-DDB12      |                        | -                        | TS-1440M              | TS-7-S12        | CYLINDER HEAD GASKET             |                    | -                        |
| SPRING                     | TS-5710-115     |                        | -                        | TS-0702M              | TS-5710-115L    | WEAR PLATE GASKET                |                    | TS-1292257               |
| INSERT (Urethane)          | TS-7-WI         |                        | -                        | TS-7-MI               | TS-7-FI         | EXTENSION ROD SEAL               |                    | TS-1292182               |
| INSERT (Rubber)            | TS-7-WR         |                        | -                        | -                     | -               | EXTENSION ROD BAFFLE             |                    | TS-1292194               |
| PISTON ROD & EXTENSION ROD |                 |                        |                          |                       |                 |                                  |                    |                          |
| ROD CLAMP                  | PISTON ROD STUD | PISTON NUT             | THREADED TYPE PISTON ROD | CLAMP TYPE PISTON ROD | SUB ROD         | THREADED TYPE EXTENSION ROD      |                    | CLAMP TYPE EXTENSION ROD |
| TM12P-03-08                | N/A             | TM-NUT                 | N/A                      | TM-258-A              | TM-258-B        | N/A                              |                    | TM12P-01-06              |
| FLUID END MODULE           |                 |                        |                          |                       |                 |                                  |                    |                          |
| SUCTION MODULE STUDD       |                 | DISCHARGE MODULE STUDD |                          | MODULE SEAL SET       |                 | STUDS & NUTS SET                 |                    |                          |
| TS-1292243                 |                 | TS-1292240             |                          | TM12P-SEALKIT         |                 | TM12P-STUDSETD<br>TM12P-STUDSETS |                    |                          |

TSC does not warrant or represent that any of such information is accurate, or that any products listed are compatible with each other.  
Any deviations from the OEM products should be verified as to compatibility.

TSC Manufacturing and Supply LLC, 13788 West Road, Suite 100, Houston, Texas 77041, USA  
Tel: +1 832 456 3900 Fax: +1 832 456 3998 E-mail: sales@t-s-c.com