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SIBERMOTOR

is a highly efficient tool corresponding to the requirements of all modern oil and gas on- and off-shore well drilling technologies.

BASIC DESIGNATION OF THE MOTOR

SM375.7850

Product code SM - SIBERMOTOR Diameter in the decimal representation of the size in inches X100 3 3/4"

Lobes configuration, rotor/stator 7/8

Stages x 10 5,0

ADDITIONAL LETTERS IN THE CODE

SM375S.7850H.C

- S (spindle) increased diameter spindle corresponding to the diameter of the next size
- D (direct) straight motor
- H (high speed) super high RPM
- T (temperature) heat resistant version
- N (nitrogen) nitrogen resistant version
- U (ultra power) hard rubber
- X reinforced stator
- C (tungsten carbide) rotor hard coating





SIBERMOTOR ADVANTAGES

Positive displacement motors (PDM) standard configuration has adjustable bent housing, except for three small diameter motors. Bend angle values are specified in the table. There is possibility to supply PDM equipped with X-over subs instead of adjustable bent housing upon the customer's requirement.

Flex groove, i.e. middle part stator OD narrowing, improves stator threaded connections fatigue damage resistance under the run with drill string rotation. As a result there is no need to use special flex sub above the motor.

PDM top sub has regular type connecting box thread and simultaneously acts as a catching device of the rotor. Such technical invention reduces probability of the motor loss in a hole even in cases when upper part of stator is damaged.

Additionally installed float and/or damp subs also have standard connecting regular type threads that excludes usage of supplementary X-over subs.

Power section of any motor can be made of a rubber compound having increased mechanical properties, so called "hard rubber". This provides PDM power and operating torque growth up to 50%. This technical decision is economically approved in comparison with the technology of stator lining reinforcement.

It is necessary to fill in special PDM selection form in order to make right choice. This will ensure delivery of the equipment mostly suitable for the operation conditions and get maximum running efficiency.



SIBERMOTOR Specification

| | D, in | OD of ction in | gth, ft | end, in | angles | sq | , in | | ection eads | active t itor, in | | S | mqg | Md | ved tial drop, | Parame max p | | L. | | | |
|--------------|----------------|--------------------------------------------------------------|-----------------|-----------------|----------|------------------|------------------------------|-----------|-------------------------|-----------------------------------------------|-------|--------|----------------|-------------|------------------------------------------------------|-------------------|------------------|----------|-----|-------------|-----|
| Product code | Housing OD, in | Flex groove OD o Power section stator, in | Overall length, | Length to bend, | Bend anç | Weight, Ibs | Diameter of bits used, in | Bit box | Top sub | Length of active part of the stator, in | Lobes | Stages | Flow rate, gpm | No-load RPM | Max allowed differential pressure drop, psi | Torque, ft·lbs | Max power, hp | WOB, Ibf | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17/// | 18 | 19 | | | |
| | | | | _ | | | Т | ool OD | 1 1/16 | " | | | | | | | | | | | |
| SM168.3450 | 1 11/16 | N/A | 6.8 | N/A | N/A | 32 | 5/16 | M16x1,5 | NC12 | 39.4 | 3/4 | 5.0 | 3.2 – 7.9 | 138 – 336 | 290 | 22 – 44 | 0.4 - 1.9 | 132 | | | |
| SM168.5636 | 1 11/16 | N/A | 7.5 | N/A | N/A | 42 | N | NC12 | | 51.2 | 5/6 | 3.6 | 16 – 32 | 282 – 564 | 290 | 59 – 111 | 2.6 - 9.8 | 176 | | | |
| | | | | _ | | | Т | ool OD | 2 7/8 ' | • | | _ | - | | | | | | | | |
| SM287.4542 | 2 7/8 | N/A | 13.0 | 41.0 | 0°– 3° | 220 | 3 3/8 – 3 7/8 | 2 3/8 Reg | P.A.C. 2 3/8 NC23 | 75 | 4/5 | 4.2 | 48 – 79 | 240 – 396 | 435 | 443 – 590 | 15 – 34 | 44(| | | |
| | | | | | | | Т | ool OD | 3 1/2 ' | | | | | | | | | | | | |
| SM350.5651 | 3 1/2 | N/A | 13.3 | 45.1 | 0°– 2.5 | 403 | 3 7/8 - 4 3/4 | 2 3/8 Reg | 2 3/8 Reg | 79 | 5/6 | 5.1 | 79 – 111 | 270 – 378 | 580 | 811 – 959 | 59 | 88 | | | |
| | | | | | | | Т | ool OD | 3 3/4 ' | 4 | | | | | | | | | | | |
| SM375.5650 | 0.0/4 | N/A | 17.5 | 51.0 | 0, 0,5 | 485 | - 16 - | Reg | 26 | 118 | 5/6 | 5.0 | 79 - | 180 – 360 | 580 | 1033 – 1623 | 68 | 110 | | | |
| SM375.6728 | - 3 3/4 | N/A | 17.5 51 | 51.6 | 0°-2.5 | 485 | 4 7/16 - 4 7/8 | 2 7/8 Reg | NC | 118 | 6/7 | 2.8 | 159 | 84 –168 | 435 | 1106 – 1696 | 38 | 110 | | | |
| SM375S.5650 | | N/A | 17.7 | | | 538 | 4 3/4 – 4 7/8 | | | 118 | 5/6 | 5.0 | | 180 – 360 | 580 | 1033 – 1623 | 68 | | | | |
| SM375S.6728 | | N/A | 17.7 | | 0°– 2.5 | 538 | 4 4 | . D | | 118 | 6/7 | 2.8 | 79 – 159 | 84 –168 | 435 | 1106 – 1696 | 38 | 132 | | | |
| SM375S.4565 | 4 3/16 | 3/16 3 5/8 24.2 3 5/8 20.3 | 50.8 | 0 2.0 | 575 | 4 3/4 – 5 5/8 | 2 7/8 Reg | NC 26 | 150 | 4/5 | 6.5 | | 150 – 300 | 870 | 1475 – 2213 | 129 | | | | | |
| SM375S.7868 | | | 3 5/8 | 3 5/8 | 3 5/8 | 3 5/8 | 20.3 | | | 624 | | | | 197 | 7/8 | 6.8 | 48 – 127 | 90 – 252 | 870 | 1401 – 2139 | 103 |
| SM375.3488HS | | N/A | 17.4 | | N/A | 397 | 4 3/4 – 4 7/8 | | | 118 | 3/4 | 8.8 | 79 – 159 | 396 – 792 | 1160 | 811 – 959 | 122 | 110 | | | |

SIBERMOTOR Specification

| | | ///// | $\langle \rangle$ | | | | | | | | | | | | | $\langle \rangle \rangle \rangle \rangle$ | | | | |
|------------------|--------------|-------------|-------------------------------------------------|-----------------|---------------------|-------------------------------------------------------------------|--------------|----------------------------|------------------|-----------------------|-----------------------------------------------|-------|--------|---------------------------|-------------|------------------------------------------------------|---------------------|------------------|----------|-------|
| | | , in | oD of ction | gth, ft | end, in | angles | sdl | r of 1, in | Conne threa | | active t itor, in | | S | , gpm | MdR | wed tial drop, | Paramete max por | | lbf | |
| | Product code | Housing OD, | Flex groove OD o Power section stator, in | Overall length, | Length to bend, in | Bend anç | Weight, I | Diameter o bits used, i | Bit box | Top sub | Length of active part of the stator, in | Lobes | Stages | Flow rate, gpm | No-load RPM | Max allowed differential pressure drop, psi | Torque, ft:lbs | Max power, hp | WOB, Ibf | |
| 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |
| Tool OD 4 3/16 " | | | | | | | | | | | | | | | | | | | | |
| 7 | SM418.4560 | 4 3/16 | N/A | 17.6 | 49.0 | 0° – 2.5° | 631 | 3/4 – 15/16 | 2 7/8 Reg | NC31 | 118 | 4/5 | 6.0 | 05 400 | 198 – 396 | 580 | 1475 – 2213 | 128 | 17637 | |
| | SM418.7860 | 4 3/10 | N/A | 17.6 | 49.0 | 0 - 2.5 | 639 | 5 4 3 15 | 2 7/8 | N | 118 | 7/8 | 3.7 | 95 – 190 | 96 –192 | 725 | 1696 – 2581 | 61 | 17037 | |
| | | | | | | | | - | Tool OD | 4 3/4 " | & 5 " | | | | | | | | | |
| | SM475.6743 | 1.0110 | N/A | 18.7 | 57.9 | 00.00 | 827 | | D | | 118 | 6/7 | 4.3 | | 168 – 336 | 580 | 2065 – 3319 | 157 | 22046 | |
| | SM475.7850 | 4 3/16 | 4 3/16 | 4 7/16 | 7/16 22.2 5 | 57.9 | 0° – 3° | 849 | 5 5/8 – 6 1/2 | 3 1/2 Reg | NC 38 | 158 | 7/8 | 5.0 | 159 – 317 | 132 – 264 | 870 | 3098 – 4425 | 163 | 22046 |
| | SM475S.7850 | 5.0 | 4 7/16 | 22.3 | 60.6 | 0° – 2.5° | 884 | ° ک | ю 1 | 2 | 158 | 7/8 | 5.0 | | 132 – 264 | 870 | 3098 – 4425 | 163 | 30865 | |
| | SM500.7837 | | N/A | N/A 18.8 | | 0° – 2.5° | 922 | | | | 118 | 7/8 | 3.7 | | 120 – 240 | 580 | 2803 – 4057 | 131 | | |
| | SM500.7826 | 5.0 | N/A | 18.8 | 60.6 | | 922 | 5 3/4 - 6 1/2 | 3 1/2 Reg | NC38 | 118 | 7/8 | 2.6 | 159 – 317 | 81 – 162 | 435 | 2213 – 4057 | 89 | 30865 | |
| | SM500.5657 | | 4 13/16 | 4 13/16 22.1 | | | 952 | | 31 | Z | 158 | 5/6 | 5.7 | - | 162 – 324 | 652 | 2360 – 3688 | 170 | 30865 | |
| | | | | | | | | | Tool OD | 6 3/4 " | | | | | | | | | | |
| | SM675.4572 | | | | /// | | 2474 2524 | - 91/2 8 | 4 1/2 Reg | NC50 | | 4/5 | 7.2 | $\langle \rangle \rangle$ | 150 – 294 | 797 | 4720 – 6564 | 277 | | |
| | SM675.5661 | 7.0 | 6 3/4 | 28.3 | 74.9 | $0^{\circ} - 2^{\circ}$ $(0^{\circ} - 3^{\circ})$ | | | | | 200.8 | 5/6 | 6.1 | 301 – 602 | 120 – 230 | 725 | 5532 – 8482 | 285 | 55120 | |
| | SM675.7856 | | | | | | 2621 | | | | $\langle \rangle \rangle$ | 7/8 | 5.6 | | 84 – 168 | 653 | 7376 – 1432 | 287 | | |
| | | | | | | | | | Tool OD | 8 " | | | | | | I | <u> </u> | | | |
| | | | | | | | | | | 7007 – 8998 | 385 | | | | | | | | | |
| | SM800.7875 | 8 1/4 | 8.00 | 32.8 | 83.0 | $\begin{array}{c} 0^\circ-2^\circ\\ (0^\circ-3^\circ)\end{array}$ | 3902 | 10 5/8 - 12 1/4 | 6 5/8 Reg | 5/8 | 236.2 | 7/8 | 7.5 | 399 – 901 | 66 – 149 | 595 | 8039-10031 | 284 | 88185 | |
| | | | | | | | | | Tool OD | ى 9 5/8 " | | | | | | | | | | |
| | SM962.7841 | | N/A | 26.3 | \square | / | 4147 | | | | 141.7 | 7/8 | 4.1 | | 84 – 144 | 507 | 9588-11801 | 256 | | |
| | SM962.5664 | 9 1/2 | \leftarrow | 29.6 | 91.1 | 0° – 3° | 4579 | 11 5/8 – 17 1/2 | 6 5/8 Reg | 6 5/8 FH 7 5/8 Reg | 141.7 | 5/6 | 5.0 | 476 – 793 | 120 - 198 | 725 | 8113-11063 | 316 | 88185 | |
| | SM962.3460 | | 9 1/16 | 31.1 | | Û Û | 4572 | 11 5 | 6 5/8 | 6 5/ 7 5/8 | 200.8 | 3/4 | 6.0 | 555 – 1014 | 138 - 240 | 725 | 8851-12539 | 434 | 00100 | |
| | 3111302.3400 | | 9 1/ 10 | 31.1 | \langle / \rangle | | 4372 | | | | 200.0 | 3/4 | 0.0 | 555-1014 | 100-240 | 120 | 0001-12009 | 434 | | |

SIBERMOTOR Specification (metric)

| | , mm. | OD of tion | igth, | oend, | les | kg | , mm | | | ictive r, mm | | | mq | MdF | ved ial drop, | | ower | L. |
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| roduct code | Housing OD | Flex groove Power sec stator, m | Overall len m | Length to k mm | Bend ang | Weight, | Diameter bits used | Bit box | Top sub | Length of a part of the stato | Lobes | Stages | Flow rate, | No-load F | Max allov different pressure c Bar | Torque, kN·m | Max power, kWt | WOB, ton |
| 11/17 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | | | | | | | Т | ool OD | 1 1/16 | 6 " (43 mm) | | | | | | | | |
| GM168.3450 | 43 | N/A | 1.87 | N/A | N/A | 14 | 58.0 | M16x 1.5 | 312 | 1000 | 3/4 | 5.0 | 12 – 30 | 138 – 336 | | 0.03 - 0.06 | 1.4 | 0.8 |
| SM168.5636 | 43 | N/A | 2.29 | N/A | N/A | 19 | 30.0 | Nc12 | DN | 1300 | 5/6 | 3.6 | 60 – 120 | 282 – 564 | 20 | 0.08 – 0.15 | 7.2 | 0.8 |
| | | | | | | | Т | ool OD | | " (73 mm) | | | | | | | | |
| SM287.4542 | 73 | N/A | 3.9 | 1035 | 0° – 3° | 100 | 83.0 – 98.4 | 2 3/8 Reg | P.A.C. 2 3/8 NC23 | 1900 | 4/5 | 4.2 | 180 – 300 | 240 – 396 | 30 | 0.6 – 0.8 | 25 | 2 |
| | | | | | | | Т | ool OD | 3 1/2 | " (88 mm) | | | | | | | | |
| SM350.5651 | 89 | N/A | 4.06 | 1146 | 0° – 2.5° | 183 | 98.4 – 120.6 | 2 3/8 Reg | 2 3/8 Reg | 2000 | 5/6 | 5.1 | 300 – 420 | 270 – 378 | 40 | 1.1 – 1.3 | 39 | 4 |
| | | · | | | | | Т | ool OD | 3 3/4 | " (95 mm) | | | | 1 | | | | |
| SM375.5650 | 05 | N/A | | | | 220 | 112.0 - | Reg | 26 | 3000 | 5/6 | 5.0 | 300- | 180 – 360 | 40 | 1.4 – 2.2 | 50 | _ |
| SM375.6728 | 95 | N/A | 5.35 | 1310 | 0° – 2.5° | 220 | 120.6 | 2 7/8 | NC | 3000 | 6/7 | 2.8 | 600 | 84 – 168 | 30 | 1.5 – 2.3 | 28 | 5 |
| SM375S.5650 | | N/A 5.39 N/A 5.39 6 92 7.39 | 5.39 | | | 243 | 120.6 - | | | 3000 | 5/6 | 5.0 | | 180 – 360 | 40 | 1.4 – 2.2 | 50 | |
| M375S.6728 | | | 5.39 | 1200 | 0° 2 5° | 243 | 123.8 | - Do | | 3000 | 6/7 | 2.8 | 300 - 600 | 84 – 168 | 30 | 1.5 – 2.3 | 28 | - 6 |
| M375S.4565 | 106 | | 7.39 | 1290 | 0 -2.5 | 259 | 120.6 – | 2 7/8 R | NC 26 | 5000 | 4/5 | 6.5 | | 150 – 300 | 60 | 2.0 - 3.0 | 95 | |
| M375S.7868 | | 92 | 02 6.19 | \square | | 283 | 142.9 | | | 4000 | 7/8 | 6.8 | 180 – 480 | 90 – 252 | 60 | 1.9 – 1.9 | 76 | |
| 1375.3488HS | | N/A | 5.32 | N/A | N/A | 180 | 120.6 – 123.8 | | | 3800 | 3/4 | 8.8 | 300 - 600 | 396 - 792 | 80 | 1.1 – 1.3 | 90 | 5 |
| | 1 M168.3450 SM168.5636 SM287.4542 SM350.5651 M375.5650 SM375.6728 M375S.6728 M375S.6728 M375S.4565 M375S.4565 | 1 2 M168.3450 43 M168.3450 43 M168.3450 43 M168.3636 43 SM168.5636 43 SM287.4542 73 SM350.5651 89 M375.5650 95 M375S.6728 95 M375S.4565 106 M375S.7868 106 | oduct code I 2 3 M168.3450 43 N/A M168.3450 43 N/A SM168.5636 43 N/A SM287.4542 73 N/A SM350.5651 89 N/A M375.5650 95 N/A M375S.6728 N/A N/A M375S.4565 106 92 M375S.7868 92 92 | oduct code E O D U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U U <thu< th=""> <thu<< td=""><td>oduct code i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i</td><td>oduct code $\begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$</td><td>oduct code</td><td>oduct code $\begin{bmatrix} u \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$</td><td>oduct code \vec{u} \vec</td><td>oduct code \vec{u} \vec</td><td>Image: conduct code Image: cond Image: conduct cond</td><td>index index <t< td=""><td>number of the conduct code number of the conduct code <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac{1}{1000} + \frac{1}{1$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac$</td><td>Image Image <t< td=""><td>number of transported by tr</td></t<></td></t<></td></t<></td></thu<<></thu<> | oduct code i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i i | oduct code $\begin{bmatrix} 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$ | oduct code | oduct code $\begin{bmatrix} u \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$ | oduct code \vec{u} \vec | oduct code \vec{u} \vec | Image: conduct code Image: cond Image: conduct cond | index index <t< td=""><td>number of the conduct code number of the conduct code <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac{1}{1000} + \frac{1}{1$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac$</td><td>Image Image <t< td=""><td>number of transported by tr</td></t<></td></t<></td></t<> | number of the conduct code number of the conduct code <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac{1}{1000} + \frac{1}{1$</td><td>$\frac{1}{100} + \frac{1}{2} + \frac$</td><td>Image Image <t< td=""><td>number of transported by tr</td></t<></td></t<> | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \frac{1}{100} + \frac{1}{2} + \frac{1}{1000} + \frac{1}{1$ | $ \frac{1}{100} + \frac{1}{2} + \frac$ | Image Image <t< td=""><td>number of transported by tr</td></t<> | number of transported by tr |

SIBERMOTOR Specification (metric)

| | | | | | J r Z | | | | | | | | | | | | | | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|--------------|---|----------------|-------------|--------------------------------------------------|----------------------|-----------------------|--------------------------------------------------------------------|------------|------------------------------|-----------|-------------------------|-----------------------------------------------|---------|------------|----------------|-------------|------------------------------------------------------|---------------------------|--------------------------|-----------|-------|------------|-----------|---------|-----------|------|-------|-----------|-------------------|-----------|----------|------|----------------|--------|----|-------------|-----|--|--|--|----|-----------|-----|--|--|-----|-------|------|-----|-----|--|-----------|----|------------|-----|--|
| | | | , mm | | OD of tion m | gth, | end, | es | kg | u n | | ection eads | active t or, mm | | | mq | Md | rop, | | rameters at nax power | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Product code | | Housing OD, mm | Elay aroout | Flex groove UD of Power section stator, mm | Overall length, m | Length to bend, mm | Bend angles | Weight, kg | Diameter of bits used, mm | Bit box | Top sub | Length of active part of the stator, mm | Lobes | Stages | Flow rate, Ipm | No-load RPM | Max allowed differential pressure drop, Bar | Torque, kN·m | Max power, kWt | WOB, ton | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\overline{\langle}$ | | | 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | ٦ | Fool OD | 4 3/16 | " (106 mm) |) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | SM418.4560 | | | 100 | 100 | 106 | 106 | 100 | | | | | | | | | | 100 | | N/A | 5.36 | 1245 | 00 0 50 | 286 | 123.8 – | Reg | 31 | 3000 | 4/5 | 6.0 | 360 – | 198 –396 | 40 | 2.0-3.0 | 94 | | | | | | | | | | | | | | | | | | | | | | |
| | SM418.7860 | | 106 | | N/A | 5.36 | 1245 | 0° – 2.5° | 290 | 151.0 | 2 7/8 Reg | NC | 3000 | 7/8 | 3.7 | 720 | 96 – 192 | 50 | 2.3 - 3.5 | 45 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | <u> </u> | | | | | 4 3/4 " | &5 " (120 & | &127 m | m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM475.6743 | | | | | | | | | | | | 120 | | | | N/A | 5.7 | 1470 | | 341 | 165.1 | D | | 3000 | 6/7 | 4.3 | | 168 – 336 | 40 | 2.8 – 4.5 | 115 | 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM475.7850 | | | | 113 | 6.76 | 1470 | 0° – 3° | 380 | 7- 16 | 3 1/2 Reg | NC38 | 4050 | 7/8 | 5.0 | 600 – | 132 – 264 | 60 | 4.2 - 6.0 | 120 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM475S.7850 | | 127 | | 113 | 6.81 | 1542 | 0° – 2.5° | 401 | 139.7- | 31 | z | 4050 | 7/8 | 5.0 | . 1200 | 132 – 264 | 60 | 4.2 - 6.0 | 120 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM500.7837 | | | | N/A | 5.74 | | | 418 | 65.1 | | | 3000 | 7/8 | 3.7 | | 120 – 240 | 40 | 3.8 – 5.5 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM500.7826 | | 127 | | N/A | 5.74 | 1540 | 0° – 2.5° | 418 | 9-16 | 3 1/2 Reg | NC38 | 3000 | 7/8 | 2.6 | 600 – | 81 –162 | 30 | 3.0 – 5.5 | 65 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM500.5657 | | | 122 | 6.74 | | | 432 | 142.9 | 3 1, | Z | 4000 | 5/6 | 5.7 | 1200 | 162 – 324 | 45 | 3.2 – 5.5 | 150 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | Fool OD | 6 3/4 ' | ' (172 mm) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM675.4572 | Г | 178 | 178 | | | | | 178 | | | | | | []]/ | 1122 | | | | | 4/5 | 7.2 | | 150 – 294 | 55 | 6.4 – 8.9 | 204 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM675.5661 | | | | 178 | 178 | 17: | 172 | | 8.6 | 1903 | $0^{\circ} - 2^{\circ}$ | 1146 | - 244.5 | 4 1/2 Reg | NC50 | 5100 | 5/6 | 6,1 | 1140 - | 120 – 230 | 50 | 8.0 – 15.0 | 190 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM675.7856 | | 170 | | | 0.0 | 1000 | (0° – 3°) | 1189 | 214.3 | 4 1/2 | ž | $\langle \rangle \rangle$ | 7/8 | 5.6 | 2280 | 84 - 168 | 45 | 10.0 - 15.5 | 211 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 311073.7030 | | | | | | | $\langle \rangle \rangle$ | 1100 | | | 8 " (20 | 3 mm) | 110 | 3.0 | | 04 - 100 | 45 | 10.0 - 10.0 | 211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM800.4568 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Reg | Beg B | 6000 | 4/5 | 6.8 | | 100 - 228 | 55 | 9.5 – 12.2 | 287 | |
| | SM800.7875 | - | 216 | K | 203 | 10.0 | 2110 | $\begin{array}{c} 0^\circ-2^\circ\\ (0^\circ-3^\circ) \end{array}$ | 1770 | 269.9 311.1 | 5/8 R | 5/8 R | 6000 | 7/8 | 7.5 | 1510 – 3410 | 66 - 149 | 41 | 9.3 - 12.2 10.9 - 13.6 | 207 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 511000.7875 | | | IX | | 1 | | | | | Q | 9 | | No | Y.5 | | 00 - 149 | 41 | 10.9 - 13.6 | 212 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | ľ | | | - P | ľ | - K | - V | - V | ľ. | - K | - K | - K | / | | ľ | R | | | | - P | | | - K | | | | | | | | 4054 | | | | (244 mm) | 7/0 | | | | 07 | 10.0 10.0 | 101 | | | | | | | | | | | | | |
| | SM962.7841 | | | - / | - / | / | - | - / | - / | - | | - | - | $ \vee$ | - <i>V</i> | - 10 | | | | | | | -/ - | 8.03 | X | | 1851 | 444.5 | Reg | 5/8 FH 5/8 Reg | 3600 | 7/8 | 4.1 | 1800 – 3000 | 84-144 | 35 | 13.0 – 16.0 | 191 | | | | | | | | | | | | | | | | | | | |
| | SM962.5664 | | 240 | | N/A | 8.03 | 2315 | 0° – 3° | 1816 | 295.3- | 6 5/8 | 6 5/8 7 5/8 | 3600 | 5/6 | 5.0 | 2100 - | 120-198 | 50 | 11.0 –15.0 | 236 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SM962.3460 | | | X | 230 | 9.5 | \square | | 2044 | 56 | 9 | | 5100 | 3/4 | 6.0 | 3840 | 138-240 | 50 | 12.0 – 17.0 | 324 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |