



## SECTION IV: PULLING TOOLS

Product Code: 40

Rebco offers two Types of designs for the

### Shear down Pulling Tools: 'ROTJD' and 'ROTS'

Both Pulling Tool types are designed to run and retrieve sub-surface equipment with external fishing neck. The tools can be released by jarring down.

Type 'ROTJDC' Pulling Tool (Short Reach) Assembly: 1 1/4" – 4.00"

| TECHNICAL DATA              |                    |              |              |
|-----------------------------|--------------------|--------------|--------------|
| NOMINAL SIZE                |                    | 1 1/4"       | 1 3/8"       |
| ASSEMBLY NUMBER             |                    | 400703021250 | 400703021370 |
| ENGINEERING DATA:           |                    |              |              |
| MAXIMUM OD                  |                    | 1.29"        | 1.38"        |
| PIN THREAD CONNECTION       |                    | 15/16" - 10  | 15/16" - 10  |
| FISHING NECK OD             |                    | 1.187"       | 1.187"       |
| BOTTOM THREAD (PRONG)       |                    | 1/4" - 20    | 1/4" - 20    |
| WILL ENGAGE FISHING NECK OD |                    | .875"        | 1.000"       |
| REACH                       |                    | 1.93"        | 1.83"        |
| LENGTH                      |                    | 13.89"       | 13.99"       |
| MATERIAL                    |                    | Alloy        | Alloy        |
| ACCESSORIES                 | PINNING TOOL ASS'Y | 16711002     | 16711002     |
|                             | CORE WRENCH        | 167022       | 167022       |





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Type 'ROTJDC' Pulling Tool (Short Reach) Assembly:

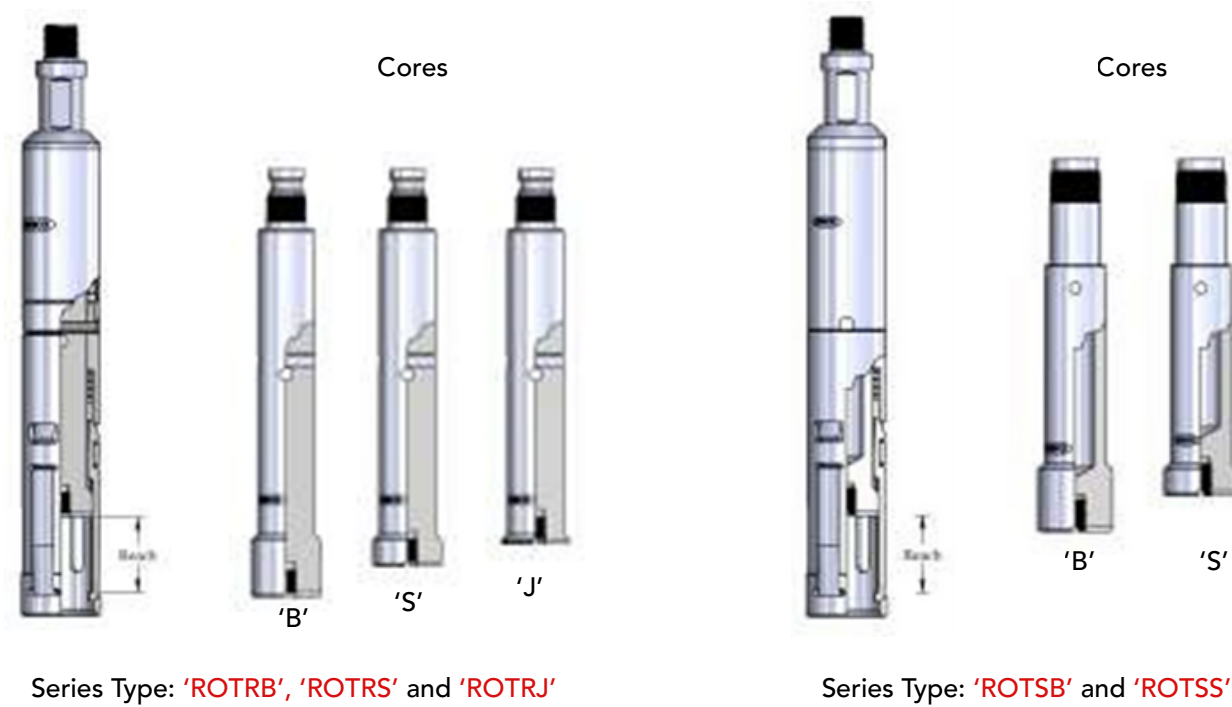
| TECHNICAL DATA              |                    |              |              |              |
|-----------------------------|--------------------|--------------|--------------|--------------|
| NOMINAL SIZE                | 1 1/2"             | 1 5/8"       | 2"           | 2 1/2"       |
| ASSEMBLY NUMBER             | 400703021500       | 400703021620 | 400703022000 | 400703022500 |
| ENGINEERING DATA:           |                    |              |              |              |
| MAXIMUM OD                  | 1.42"              | 1.62"        | 1.86"        | 2.25"        |
| PIN THREAD CONNECTION       | 15/16" - 10        | 15/16" - 10  | 15/16" - 10  | 15/16" - 10  |
| FISHING NECK OD             | 1.187"             | 1.187"       | 1.375"       | 1.375"       |
| BOTTOM THREAD (PRONG)       | 1/4" - 20          | 1/4" - 20    | 1/2" - 13    | 1/2" - 13    |
| WILL ENGAGE FISHING NECK OD | 1.187"             | 1.187"       | 1.375"       | 1.750"       |
| REACH                       | 1.09"              | 1.09"        | 1.61"        | 1.26"        |
| LENGTH                      | 14.0"              | 14.0"        | 15.4"        | 15.8"        |
| MATERIAL                    | Alloy              | Alloy        | Alloy        | Alloy        |
| ACCESSORIES                 | PINNING TOOL ASS'Y | 16711004     | 16711004     | 16711004     |
|                             | CORE WRENCH        | 167024       | 167024       | 167024       |



| TECHNICAL DATA              |                    |              |              |
|-----------------------------|--------------------|--------------|--------------|
| NOMINAL SIZE                | 3"                 | 3"           | 4"           |
| ASSEMBLY NUMBER             | 400703023000       | 400703023002 | 400703024000 |
| ENGINEERING DATA:           |                    |              |              |
| MAXIMUM OD                  | 2.81"              | 2.81"        | 3.75"        |
| PIN THREAD CONNECTION       | 15/16" - 10        | 1 1/16" - 10 | 1 1/16" - 10 |
| FISHING NECK OD             | 1.750"             | 1.750"       | 2.313"       |
| BOTTOM THREAD (PRONG)       | 5/8" - 11          | 5/8" - 11    | 1 1/4" - 12  |
| WILL ENGAGE FISHING NECK OD | 2.313"             | 2.313"       | 3.125"       |
| REACH                       | 1.53"              | 1.53"        | 2.31"        |
| LENGTH                      | 15.94"             | 15.94"       | 20.06"       |
| MATERIAL                    | Alloy              | Alloy        | Alloy        |
| ACCESSORIES                 | PINNING TOOL ASS'Y | 16711005     | 16711006     |
|                             | CORE WRENCH        | 167025       | 167026       |



**Fig 2 - Comparative of 'ROTR\_' and 'ROTS\_' Pulling Tools**



**Chart: Pulling Tool Selection Guide**

| FISHING NECK<br>TYPE TO ENGAGE | PULLING TOOL TYPE: SERIES |            |          | JAR TO RELEASE |
|--------------------------------|---------------------------|------------|----------|----------------|
|                                | SHEAR UP                  | SHEAR DOWN | SPECIAL  |                |
| EXTERNAL                       | 'ROTR_'                   |            | 'RQ'     | UP             |
|                                | 'ROTJU_'                  |            |          |                |
|                                | 'ROTB_'                   |            |          |                |
|                                |                           | 'ROTS_'    | 'SQ'     | DOWN           |
|                                |                           | 'ROTJD_'   |          |                |
|                                |                           | 'RH'       |          |                |
|                                |                           |            | 'ROTSSJ' | DOWN w/Adapter |
| INTERNAL                       |                           |            | 'RMF'    | MODE: Up/Down  |
|                                | 'ROTGR'                   |            |          | UP w/Adapter   |
|                                | 'ROTGRL'                  |            |          |                |
|                                |                           | 'ROTGS'    |          | DOWN           |
|                                |                           | 'ROTGSL'   |          |                |