

# 8-1/2" (216mm) A3GDR

## PRODUCT SPECIFICATIONS

IADC Code	137W
Jet Nozzle Types	
Standard	81361
Extended	301792
Center Jet	(If Center Jetted) 29564
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	90 Lbs. (41 Kg.)
Bit Breaker (Mat.#/Legacy#)	183774/64494

## PRODUCT FEATURES

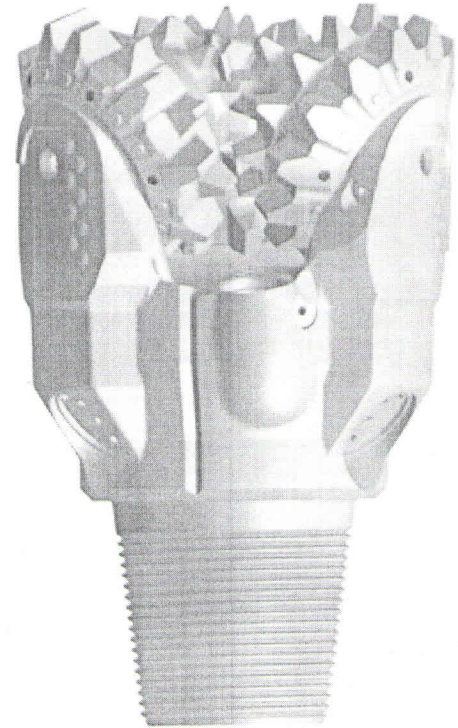
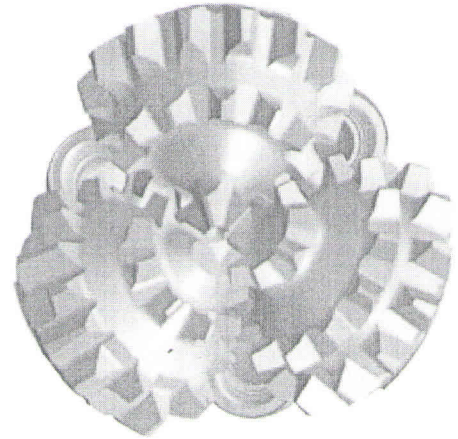
- Sealed journal bearing system.
- Shirttails protected with hardfacing and raised tungsten carbide inserts for maximum abrasion resistance.
- Diamond surf inserts minimize gage wear.
- 3 Side jet nozzles (replaceable).

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 50 - 300

WOB: 2 - 26



\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.





**8-1/2" (216mm) A4GR****PRODUCT SPECIFICATIONS**

IADC Code	217S
Jet Nozzle Types	
Standard	NA
Extended	NA
Center Jet	(If Center Jetted) NA
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	90 Lbs. (41 Kg.)
Bit Breaker (Mat.#/Legacy#)	183774/64494

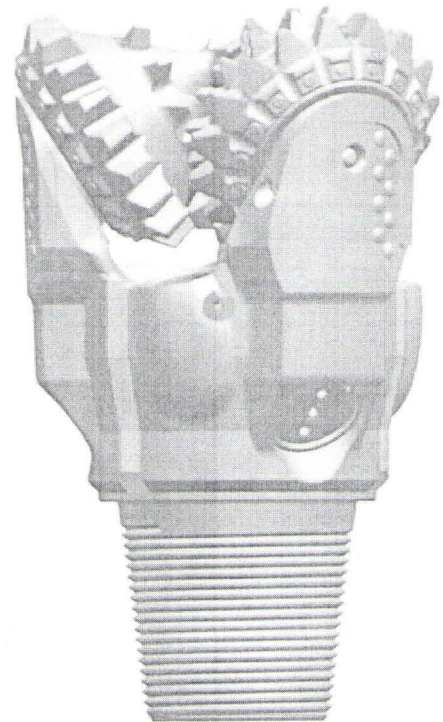
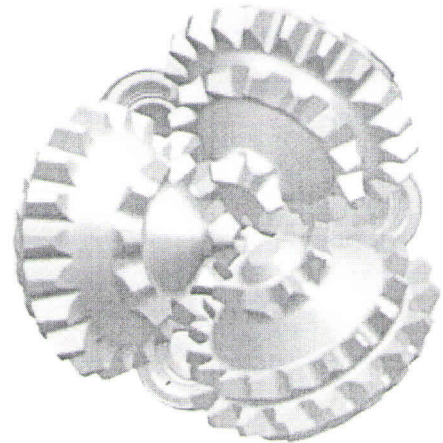
**PRODUCT FEATURES**

- Sealed journal bearing system.
- Shirttails protected with hardfacing and raised tungsten carbide inserts for maximum abrasion resistance.
- 3 Side jet nozzles (replaceable).

**RECOMMENDED OPERATING PARAMETERS**

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 40 - 150  
WOB: 4 - 32



\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

[www.halliburton.com](http://www.halliburton.com)



**8-1/2" (216mm) A20R****PRODUCT SPECIFICATIONS**

IADC Code	517X
Jet Nozzle Types	
Standard	81361
Extended	301792
Center Jet	(If Center Jetted) NA
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	80 Lbs. (36 Kg.)
Bit Breaker (Mat.#/Legacy#)	183774/64494

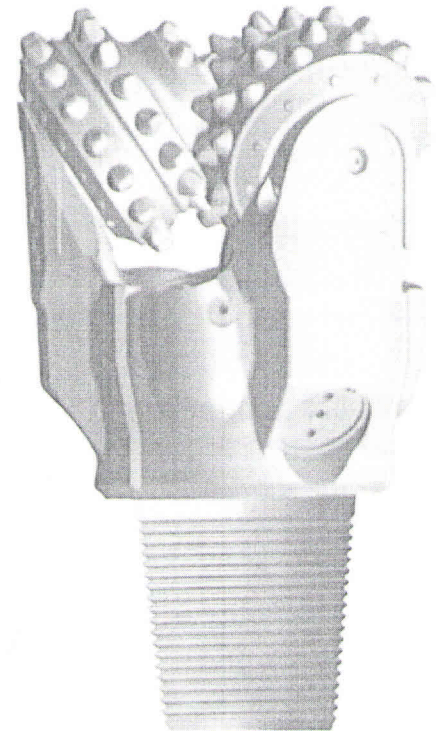
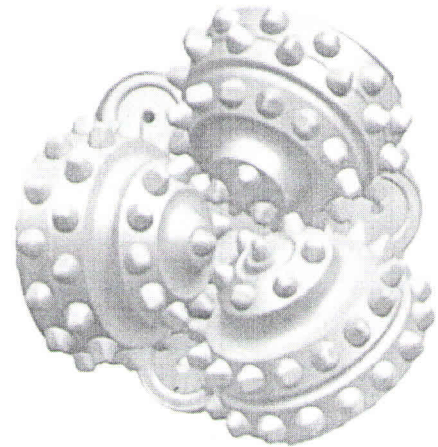
**PRODUCT FEATURES**

- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.
- Friction-bushing bearing system.
- 3 Side jet nozzles (replaceable).

**RECOMMENDED OPERATING PARAMETERS**

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 40 - 300  
WOB: 2 - 32



\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

[www.halliburton.com](http://www.halliburton.com)





# 8 1/2" (216mm) A30R

## PRODUCT SPECIFICATIONS

IADC Code	537
Total Insert Count	141
Total Gauge Count	33
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	79 Lbs. (36 Kg.)

## PRODUCT FEATURES

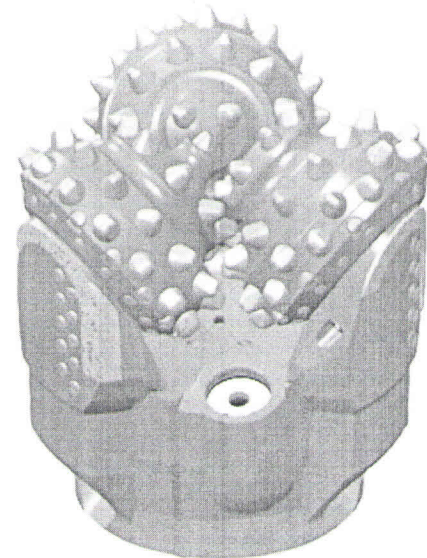
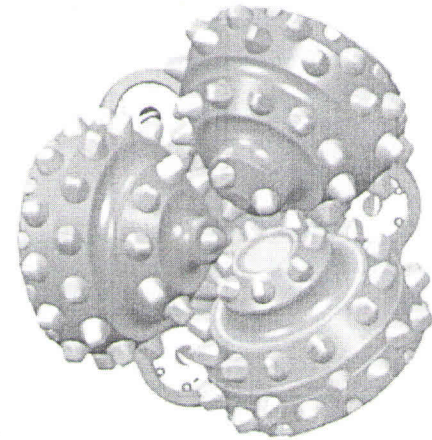
- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/120 rpm

WOB: 9900/33000 lb/bit



Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.



**8 1/2" (216mm) A38R****PRODUCT SPECIFICATIONS**

IADC Code	547
Total Insert Count	114
Total Gauge Count	43
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	84 Lbs. (38 Kg.)

**PRODUCT FEATURES**

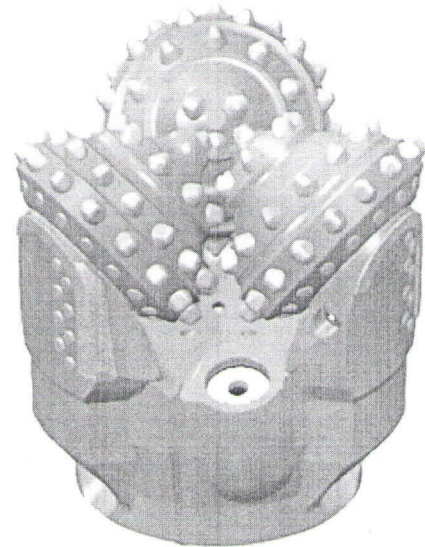
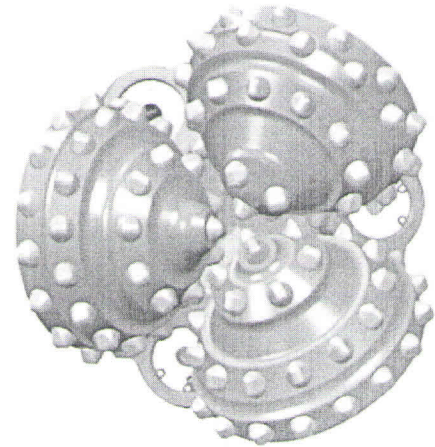
- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

**RECOMMENDED OPERATING PARAMETERS**

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/120 rpm

WOB: 8800/31900 lb/bit



Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

[www.halliburton.com](http://www.halliburton.com)

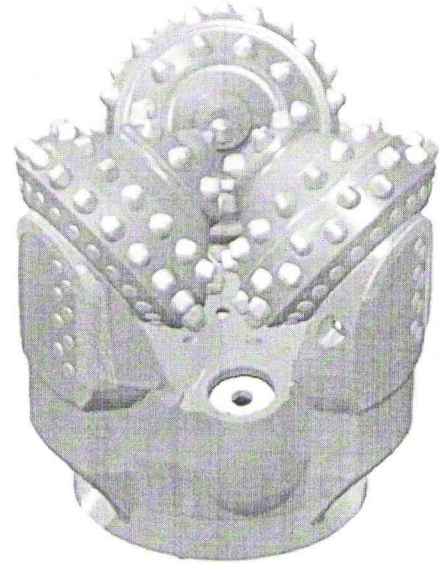
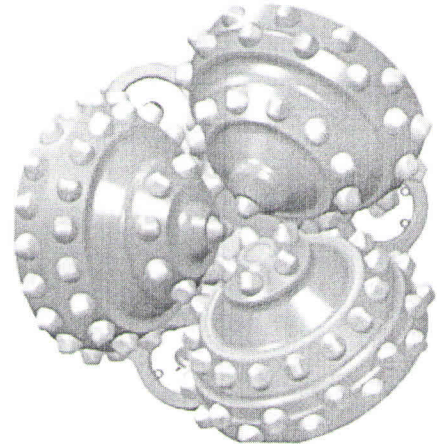




# 8 1/2" (216mm) A42R

## PRODUCT SPECIFICATIONS

IADC Code	627
Total Insert Count	123
Total Gauge Count	42
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	4-1/2" (API Reg.)
Recommended Make-Up Torque*	12000/16000 Ft*lbs.
Bit Weight (Boxed)	79 Lbs. (36 Kg.)



## PRODUCT FEATURES

- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/100 rpm  
 WOB: 12100/363000 lb/bit

Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.



# 6-1/2" (165mm) A20R

## PRODUCT SPECIFICATIONS

IADC Code	517
Total Insert Count	97
Total Gauge Count	42
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	3-1/2" (API Reg.)
Recommended Make-Up Torque*	7000/9000 Ft*lbs.
Bit Weight (Boxed)	33 Lbs. (15Kg.)

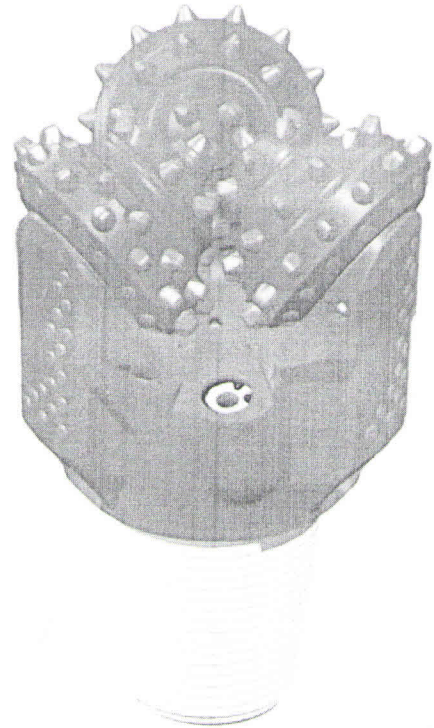
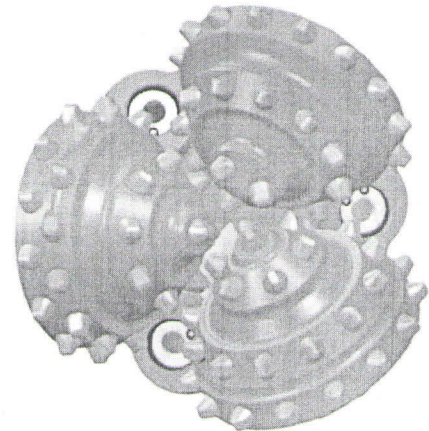
## PRODUCT FEATURES

- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60 - 120  
WOB: 8800 / 24200 lb/Bit



Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

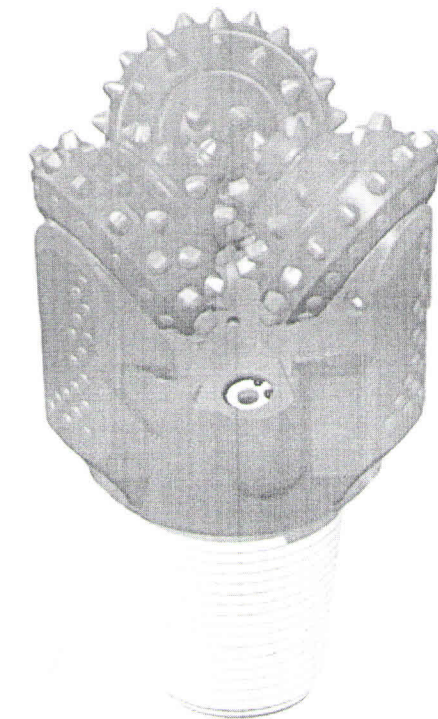
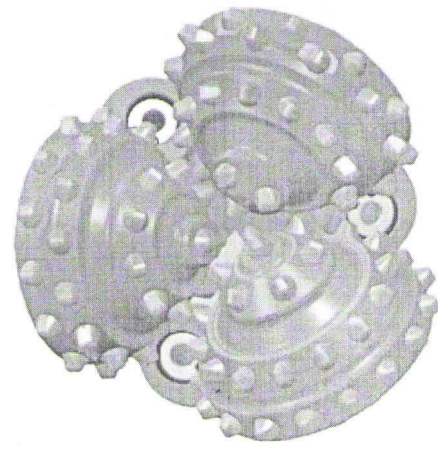




# 6 1/2" (165mm) A30R

## PRODUCT SPECIFICATIONS

IADC Code	537
Total Insert Count	110
Total Gauge Count	40
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	3-1/2" (API Reg.)
Recommended Make-Up Torque*	7000/9000 Ft*lbs.
Bit Weight (Boxed)	33 Lbs. (15 Kg.)



## PRODUCT FEATURES

- Sealed journal bearing system.
- Jet Fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/120 rpm

WOB: 7000/9000 lb/bit

Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.





# 6 1/2" (165mm) A42R

## PRODUCT SPECIFICATIONS

IADC Code	627
Total Insert Count	113
Total Gauge Count	45
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	3-1/2" (API Reg.)
Recommended Make-Up Torque*	7000/9000 Ft*lbs.
Bit Weight (Boxed)	36.5 Lbs. (16.5 Kg.)

## PRODUCT FEATURES

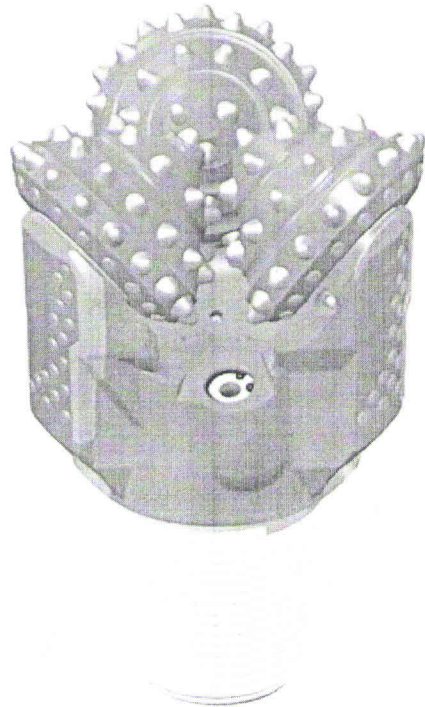
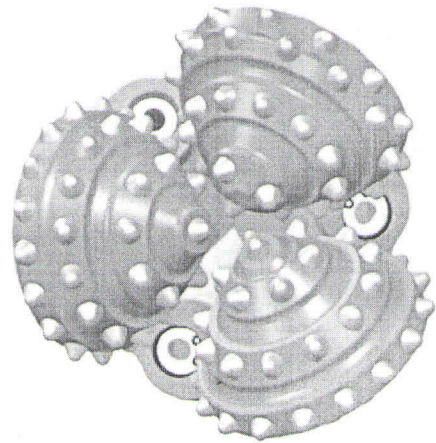
- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/100 rpm

WOB: 9900/24200 lb/bit



Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.



# 6" (152mm) A30R

## PRODUCT SPECIFICATIONS

IADC Code	537
Total Insert Count	96
Total Gauge Count	34
Journal Angle	N/A°
Offset (1/16")	N/A
Jet Nozzle Types	
Standard	N/A
Extended	N/A
Center Jet	N/A
T.J. Connection	3-1/2" (API Reg.)
Recommended Make-Up Torque*	7000/9000 Ft*lbs.
Bit Weight (Boxed)	31 Lbs. (14 Kg.)

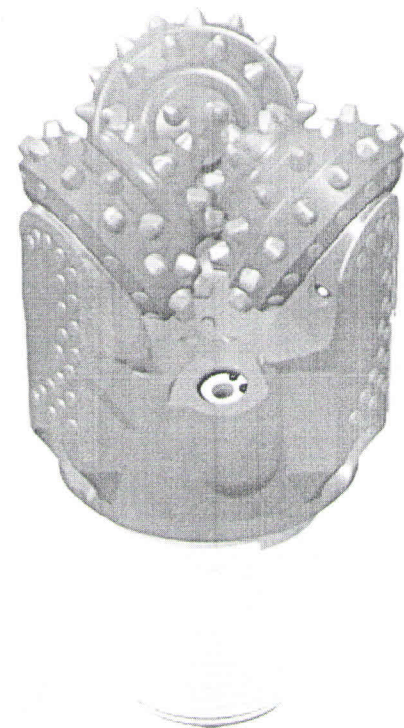
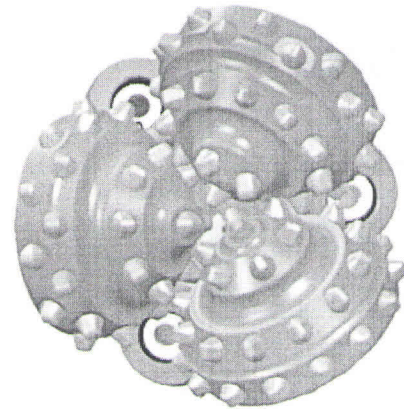
## PRODUCT FEATURES

- Sealed journal bearing system.
- Jet fluid.
- 3 Side jet nozzles (replaceable).
- Shirttails protected with hardfacing and tungsten carbide inserts for maximum abrasion resistance.

## RECOMMENDED OPERATING PARAMETERS

(Recommended operating parameters are based on global guidelines and should always be validated with local application specific data)

Rotary Speed: 60/120 rpm  
 WOB: 7700/23100 lb/bit



Material Number #TBD

\*Calculations based on recommendations from API and tool-joint manufacturers.

© 2018 Halliburton. All rights reserved. Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

