

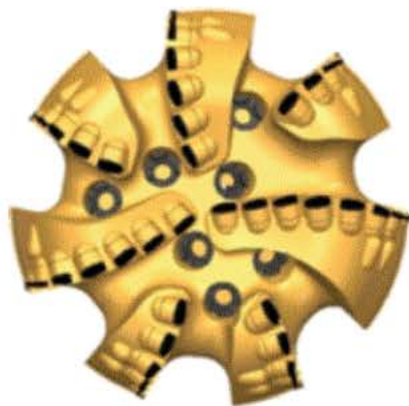
10 5/8" HC607

(269.9 mm)



- **Application** Premium PDC bits combine advances in cutter technology, improve stability and hydraulic efficiency with a revolutionary design process to achieve maximum performance and consistency in defined applications.
- **Genesis Cutters** Comprehensive research in diamond interface design, diamond table thickness, and diamond edge geometry has provided cutters with a new level of impact and abrasion resistance.
- **DART Process** Each Genesis project receives the attention of a multi-functional team of design, research, and application (DART) engineers. This process provides an in-depth analysis of the customer application which reduces costly, time-consuming iterations and maximizes the quality of the solution.
- **Genesis CFD Hydraulics** CFD analysis is utilized for every Genesis design and ensures the optimum balance between flow, cutter cooling, and fluid erosion.
- **Lateral Movement Mitigator (LMM)** For improved bit stability, the patented Lateral Movement Mitigator (LMM) technology reduces vibration severity and protects shoulder cutters from impact loads.

Reference Photo: 10-5/8 in. (269.9mm) HC607



PRODUCT SPECIFICATIONS:

IADC:	M323
Number of Blades:	7
Cutter Quantity (Total, Face):	41, 36
Primary Cutter Size	.75 in (19.0 mm)
Number of Nozzles:	7
Nozzle Type:	SP
Fixed TFA	0 in ² (0 mm ²)
Gauge Length	3 in (76.1 mm)
Junk Slot Area	20.5 in ² (132.2 cm ²)
Bit Breaker:	010-500-083, 015-154-039
Connection:	6-5/8 API REG
Makeup Torque:	
7 1/2" + Bit Sub	37.1 - 42.4 kft-lb (50.3 - 57.5 kNm)
Reference Part Number:	N1216
Status:	S

OPERATING RECOMMENDATIONS*:

Hydraulic Flow Rate:	450 - 1000 gpm (1700 - 3800 lpm)
Rotation Speed:	For Rotary and Motor Applications
Max. Weight On Bit:	43 klb (19 tn or kdaN)



Hughes Christensen

© 2005 Hughes Christensen Company

* The ranges of bit weight and RPM shown are representative of typical operating parameters, but will not necessarily yield optimum bit life or lowest drilling cost. It is not recommended that the upper limits of both weight and RPM be run simultaneously. Contact your local Hughes Christensen representative for recommendations in your area.