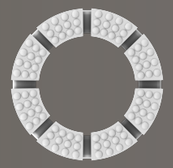
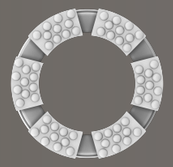
LONGYEAR™ BIT SELECTION CHART

WATERWAY CONFIGURATIONS



STANDARD
Recommended for general purpose use in competent, fine-grained formations. Longest life of non-stage bits.



TAPERED
Recommended for general purpose in areas that can encounter broken ground. Pushes cuttings to the OD and reduces pressure across bit face.



TAPERED SWIRL
Recommended for fast penetration in competent ground with the ability to push cuttings from broken ground easily to OD.

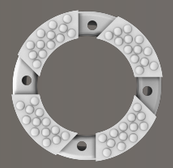


EXPRESS
Recommended for fast cutting in competent formations. Offers faster penetration and lower weight.

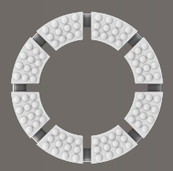


STAGE
Recommended for the longest maximum life circumstances. Wide waterways offering better flushing and penetration.

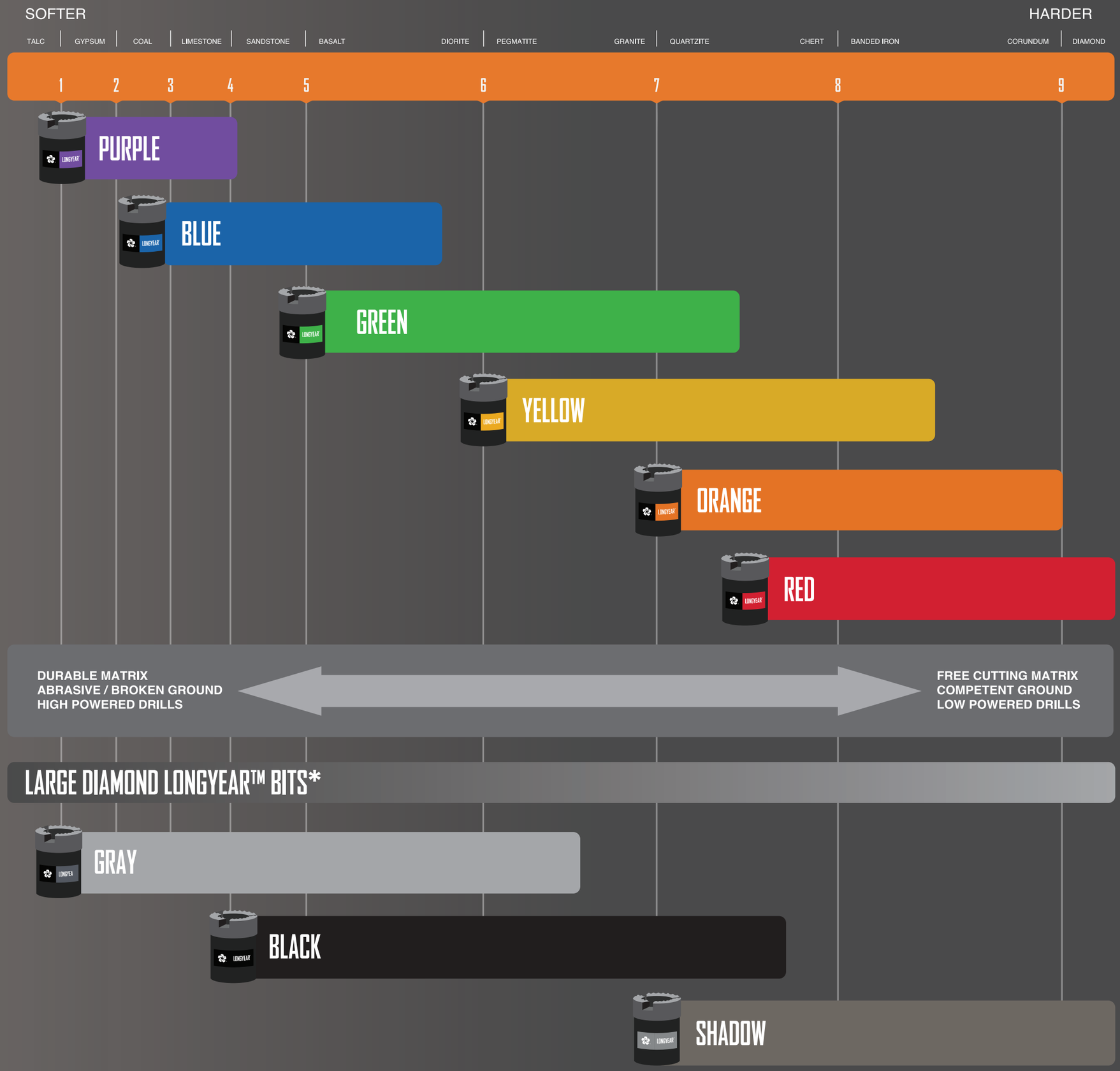
WATER CONTROL FEATURES
(available in all waterway configurations)



FACE DISCHARGE
Recommended for broken and soft formations. Reduces water pressure on core and redirects fluid to the bit face.



DEEP ID
Recommended for lost circulation by preventing lifter case from pulling into the bit and shutting off water.



*Driller adaptation is required for High Torque Longyear™ Bits, ask your regional Boart Longyear representative for more information.

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