

Torque Limiters for Accurate Machining

NEW

Features and Benefits

- Advanced torque limiting system for secure clamping, ensuring safer and more accurate machining
- Use torque limiters to ensure secure clamping for indexable inserts without damaging the screw
- Achieve greater repeatability and better tool life
- 3-part system for maximum versatility - handles, adapters, and bits
- Complete range of torque limiters from 0.6 Nm up to 7.0 Nm
- Bits are available for Torx, Torx Plus, and Hexagon screws

Please be in direct contact with me for any specific questions or requests.
For additional updates and news, visit the new VARGUS website: www.vargus.com





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GROOVEX Product Manager

Torque Limiters for Secure Clamping






Torque Limiting Handles

Ordering Code	Item Number	Range
VTRF 	013-01038	0.6 Nm to 3.0 Nm
VTRJ 	013-01039	2.0 Nm to 7.0 Nm

Torque Limiting Adapters

Ordering Code	Item Number	Torque Max (Nm)
TSD-12-0.6Nm	013-01082	0.6
TSD-12-2.0Nm	013-01083	2.0
TSD-12-3Nm	013-01037	3.0
D02-12-3.0Nm	013-01084	3.0
TSD-12-4.5Nm	013-01044	4.5
TSD-12-5Nm	013-01045	5.0
TSD-20-7Nm	013-01046	7.0

Torque Limiting Bits

Ordering Code	Item Number	Bit Type
BIT25-H4.0	013-01041	 Hexagon
BIT25-H5.0	013-01086	
BIT25-TX8	013-01085	
BIT25-TX10	013-01094	 Torx
BIT25-TX15	013-01042	
BIT25-TX20	013-01043	
BIT25-TX25	013-01093	
BIT25-15IP	013-01036	 Torx Plus
BIT25-20IP	013-01040	

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Selecting the Correct Adapter and Bit:

Use the following table to choose the correct adapter and bit based on the appropriate Groovex product family and the designated screw.

In cases where different screws are used within the same product family, locate the appropriate screw in the Groovex Main Catalog.

Product Group	Product Family	Insert Width	Screw	Nm Max	Adapter	Bit	
VG-Cut	Monoblock Holders	Insert Width: 2.0 mm	SM4x16-T20	3.0	TSD-12-3Nm	BIT25-TX20	
		Insert Width: 3.0 mm	SM3.5x14-T15	5.0	TSD-12-5Nm		
		Insert Width: 3.0 mm	SM4x16-T20	5.0	TSD-12-5Nm		
		Insert Width: 3.0 & 4.0 mm	SM4x18-T20	5.0	TSD-12-5Nm		
		Insert Width: 3.0 & 4.0 mm (VGER/L...N & VGER/L...C)	SM5x20-T25	5.0	TSD-12-5Nm	BIT25-TX25	
		Insert Width: 5.0 & 6.0 mm	SM4x18-T20	7.0	TSD-12-7Nm	BIT25-TX20	
	Reinforced Monoblock Holders (PH/PHC Holders)	Insert Width: 1.5 & 2.0 mm	SM4x14-T15	3.0	TSD-12-3Nm	BIT25-TX15	
		Insert Width: 3.0	SM4x14-T15	5.0	TSD-12-5Nm		
	Modular System		SM4x14-T15	5.0	TSD-12-5Nm	BIT25-TX15	
			SM4X10.5-T15	5.0	TSD-12-5Nm		
			SM5x13.5-T20	5.0	TSD-12-5Nm	BIT25-TX20	
			SM5x18-T20	5.0	TSD-12-5Nm		
	Modular System with High Pressure Coolant		Insert Width: 2.0 mm	SM5x16	3.0	TSD-12-3Nm	BIT25-TX25
			Insert Width: 3.0 & 4.0 mm	SM5x16	5.0	TSD-12-5Nm	
			Insert Width: 5.0 & 6.0 mm	SM5x16	7.0	TSD-20-7Nm	
	Internal Holders	Insert Width: 2.0 mm	SM5x12	3.0	TSD-12-3Nm	BIT25-TX25	
			SM5x14	3.0			
			SM5x16	3.0			TSD-12-3Nm
		Insert Width: 3.0 & 4.0 mm	SM5x12	5.0	TSD-12-5Nm		
			SM5x14	5.0	TSD-12-5Nm		
SM5x16			5.0	TSD-12-5Nm			
Insert Width: 4.0 & 5.0 mm		SM5x18	5.0				
Insert Width: 5.0 mm		SM5x20	5.0				
Insert Width: 6.0 mm	SM5x25	5.0					
GrooVical			SGM5	4.5	TSD-12-4.5Nm	BIT25-20IP	
Mini-V		SNV08	0.6	TSD-12-0.6Nm	BIT25-TX8		
		SNV11	2.0	TSD-12-2.0Nm	BIT25-TX10		
		SNV14	3.0	TSD-12-3Nm	BIT25-TX15		
		SNV16	5.0	TSD-12-5Nm	BIT25-TX20		
microscope		SL7DT15	5.0	TSD-12-5Nm	BIT25-TX15		
		SLDBT15IP	5.0	TSD-20-5Nm			
		SM5x10-15IPX2	7.0	TSD-20-7Nm			