TPC-32 Power Clamp

Sealed pneumatic precision locking Power Clamp

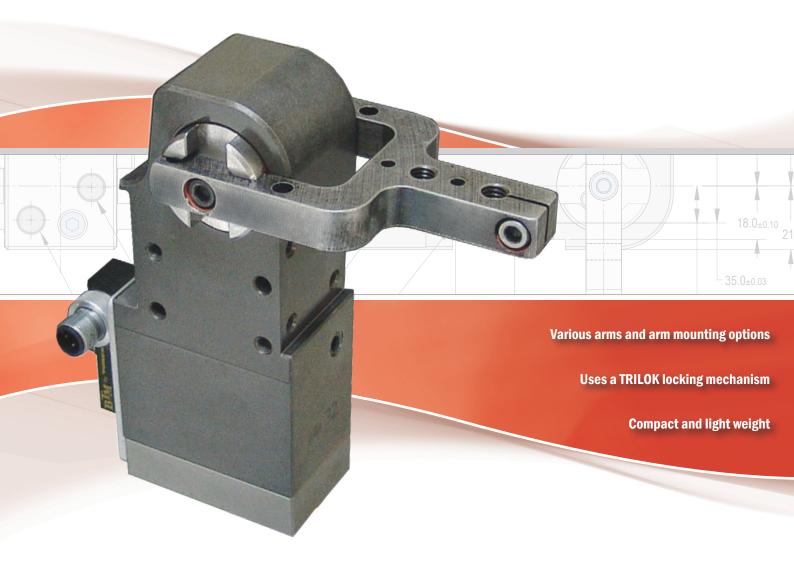




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BTM's TPC-32 features a 32mm bore, and a three point locking mechanism which is designed to remain locked even if air pressure is lost. This clamp is compact, light weight, and sealed.

TPC-32 CLAMP FEATURES

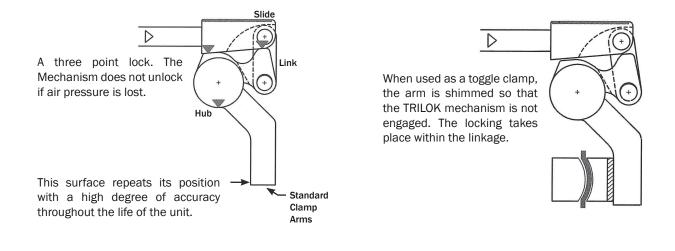
- Patented TriLok Mechanism
- Sealed Mechanism Lubricated for Life of Clamp
- Integral Cylinder with Heavy Wall
- Body is constructed of Aircraft Aluminum, Hard coated to a Rockwell C-70 for Excellent Wear Characteristics
- · One clamp model for single and dual arm clamps
- · Access to manually unlock clamp linkage
- Integrated proximity switches do not need to be readjusted when arm opening changes

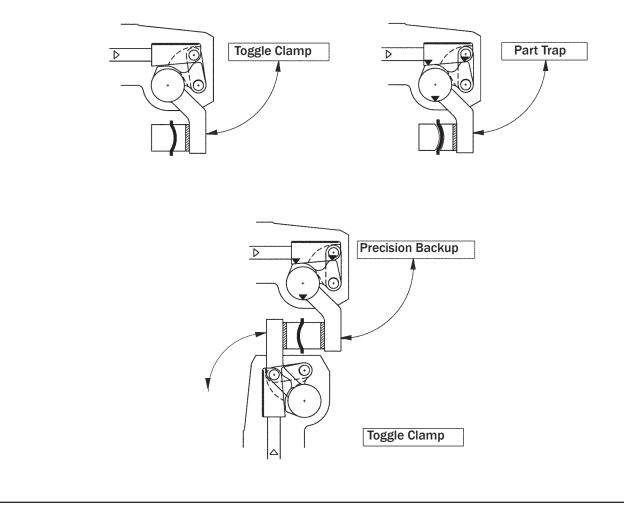


SAFETY NOTE

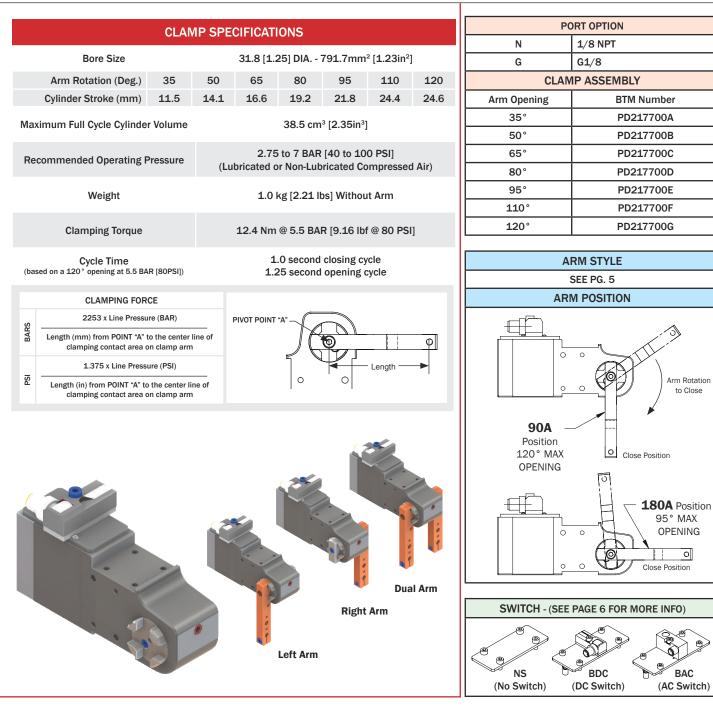
It is the customer and/or user's responsibility to provide proper safety controls and/or guarding when a pinch point is present.

TPC-32 CLAMPS UTILIZE PATENTED





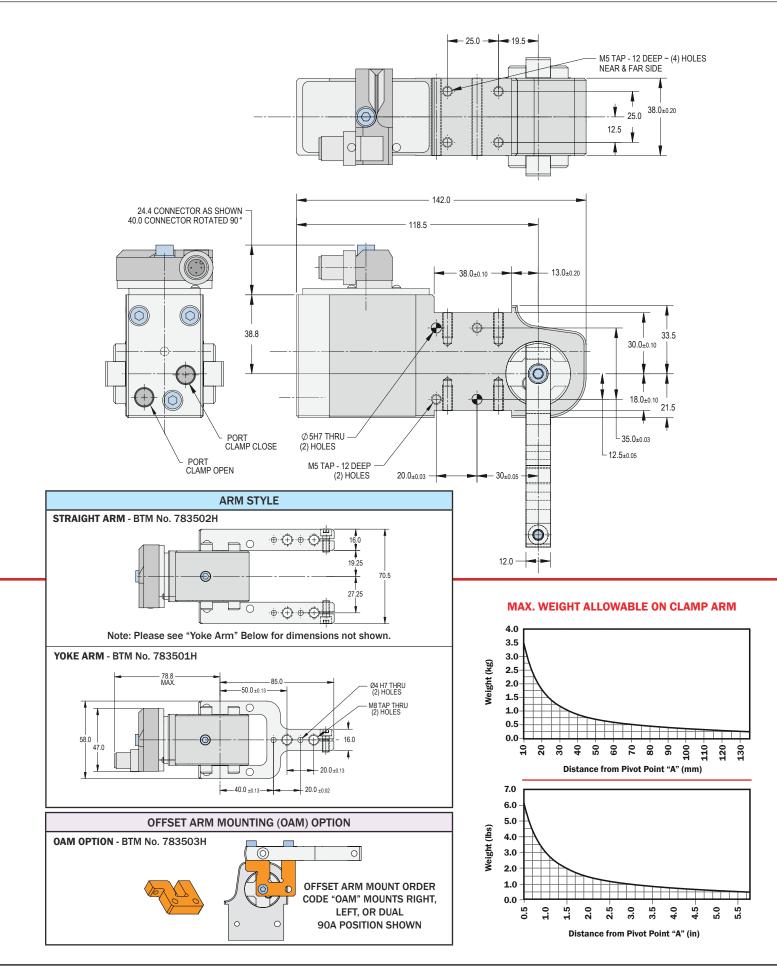
TPC-32



HOW TO ORDER

	CLAMP				LEFT ARM				RIGHT	ARM			OFFSET ARM MOUNTING		SWITCH
ТРС	32	N	125	-	783502H	90A	L	-	783502H	90A	R	-	ΟΑΜ	-	BDC
CLAMP SERIES -	CLAMP SIZE -	PORT OPTION -	ARM OPENING		ARM STYLE -	ARM POSITION	ARM SIDE -		ARM STYLE -	ARM POSITION	ARM SIDE -		OFFSET ARM MOUNT – (leave blank for normal mounting)		SWITCH CODE -

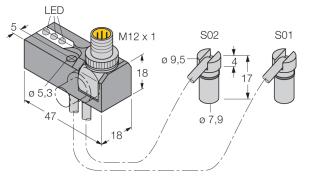
TPC-32 TECHNICAL INFORMATION



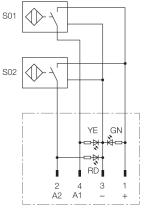
TPC-32 Clamp Switch Information

BDC - TURCK DC

Ni2-BTM-0,16-BDS-2AP6X3-H1141/S34



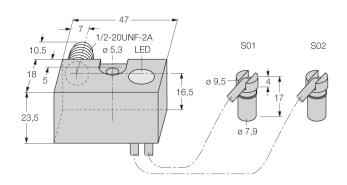
LED INDICATORS YELLOW - SO1 OUTPUT ENERGIZED GREEN - POWER ON RED - SO2 OUTPUT ENERGIZED



SPECIFICATIONS						
RATED OPERATING DISTANCE Sn	2mm					
MOUNTING MODE	NON-FLUSH					
HYSTERESIS H (DIFFERENTIAL TRAVEL)	3 - 15%					
MAX. RELATIVE TEMPERATURE DRIFT	≤±10%					
MIN. REPEAT ACCURACY	≤2%					
OPERATION TEMPERATURE	-25°C to +70°C (-13°F to +158°F)					
RATED OPERATIONAL VOLTAGE (DC) U _B	10-30 VDC					
MAX. RIPPLE	≤ 10% U _{ss}					
RATED OPERATIONAL CURRENT (DC) I _e	≤ 200 mA					
NO-LOAD CURRENT I ₀	≤ 15 mA					
MAX. OFF-STATE CURRENT	≤ 0,1 mA					
MAX. SWITCHING FREQUENCY	≤ 0,03 kHz					
RATED INSULATION VOLTAGE	0,5 kV					
OUTPUT FUNCTION	4-WIRE, NORMALLY OPEN, PNP					
SHORT-CIRCUIT PROTECTION	YES					
MAX. VOLTAGE DROP AT I _B	≤ 1,8 V					
WIRE BREAKAGE AND REVERSE POLARITY PROTECTION	YES, COMPLETE					
DEGREE OF PROTECTION	IP 67					
HOUSING STYLE	DUAL SENSOR; BTM					
DIMENSIONS	47 X 18 X 18mm (1.85" X .71" X .71")					
HOUSING MATERIAL	PLASTIC, PBT-GF20-V0					
WIRING	CONNECTOR, M12X1 EUROCON					
CABLE	Ø 2; LiF9Y-11Y3; PUR; 0,16 m					
CROSS SECTION	3 X 0,08mm ²					
VIBRATION RESISTANCE	55 Hz (1 mm)					
SHOCK RESISTANCE	30 X g (11 ms)					

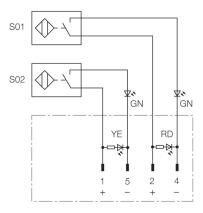
BAC - TURCK AC

Ni2-BTM-0,16-BA-2ADZ32X4-B3151/S34



LED INDICATORS

YELLOW - SO1 OUTPUT ENERGIZED GREEN - POWER ON RED - SO2 OUTPUT ENERGIZED



SPECIFICATIONS							
RATED OPERATING DISTANCE Sn	2mm						
MOUNTING MODE	NON-FLUSH						
HYSTERESIS H (DIFFERENTIAL TRAVEL)	3 - 15%						
MAX. RELATIVE TEMPERATURE DRIFT	≤±10%						
MIN. REPEAT ACCURACY	≤2%						
OPERATION TEMPERATURE	-25°C to +70°C (-13°F to +158°F)						
RATED OPERATIONAL VOLTAGE (AC) U _B	20-250 VAC						
RATED OPERATIONAL VOLTAGE (DC) U _B	10-300 VDC						
RATED OPERATIONAL CURRENT (AC) I	≤ 100 mA						
RATED OPERATIONAL CURRENT (DC) I _e	≤ 100 mA						
MAX. OFF-STATE CURRENT	≤ 1,7 mA						
MAX. SWITCHING FREQUENCY	≤ 0.03 kHz						
RATED INSULATION VOLTAGE	1,5 kV						
OUTPUT FUNCTION	4-WIRE, 2 X NORMALLY OPEN						
MAX. VOLTAGE DROP AT I _B	≤ 6 V						
MIN. OPERATIONAL CURRENT I m	3 mA						
DEGREE OF PROTECTION	IP 67						
HOUSING STYLE	DUAL SENSOR; BTM						
DIMENSIONS	47 X 18 X 18mm (1.85" X .71" X .71")						
HOUSING MATERIAL	PLASTIC, PBT-GF20-V0						
WIRING	CONNECTOR, M12X1 EUROCON						
CABLE	Ø 2; LiF9Y-11Y3; PUR; 0,16 m						
CROSS SECTION	3 X 0,08mm ²						
VIBRATION RESISTANCE	55 Hz (1 mm)						
SHOCK RESISTANCE	30 X g (11 ms)						

Warranty Information:

BTM Corporation warranties its TPC-32 Clamps against defects in material and workmanship for the life of the tool/program for which the clamp was originally sold or one million cycles, whichever comes first.

This warranty is limited to replacing or repairing at BTM's option, F.O.B. BTM's factory, any part found by BTM to be defective in materials and/or workmanship. Any application of a BTM product outside the intended use of the product shall not be warranted by BTM Corporation. Furthermore, BTM will not be liable for any expenses incurred for repairs or replacement made outside BTM's facilities without written consent (or damages arising out of such replacements or repairs). Under no circumstances will BTM be held responsible for any consequential damages.

The warranty is limited to the repair or replacement of the defective part(s) and does not include installation.

This warranty is the only warranty extended by the seller in connection with any sale made hereunder and is in lieu of all other warranties, express, implied or statutory including warranties of merchantability and fitness for purpose.

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email: info@btm-europe.de



BTM has a wide range of standard products to meet your needs including:

PNEUMATIC CLAMPS & GRIPPERS

Light & Heavy Duty Clamps

Clamps range from light duty omni-directional head clamps to heavy duty precision sealed power clamps.



Light & Heavy Duty Grippers

BTM's Gripper line ranges from compact light duty models to locking & non-locking heavy duty models.



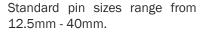
PIN PRODUCTS

Precision Shot Pin cylinders

BTM's Precision Part Locators are used whenever your production needs require locating precise holes in a workpiece.

Pin Locator Clamps

BTMs' Pin Locator Clamps and Single Finger clamps are used in stationary part nests, welding fixtures, transfer systems, robot end effectors and numerous other clamping applications. These clamps locate and hold the work while other operations are performed.



SHEET METAL JOINING

Tog-L-Loc®

BTM's Tog-L-Loc[®] sheet metal joining system is a cold forming process that quickly joins prepainted, galvanized, coated, and dissimilar metals.



Lance-N-Loc™

BTM's Lance-N-Loc[™] Joining System produces clean, strong and consistent joints in most coated or uncoated metals.



Ways to Tog-L-Loc®





Press Brakes

Handheld Units



Die Sets



Hydraulic Units



Universal Presses



Specialized Units

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For more information, or to see our full line of products, please visit: