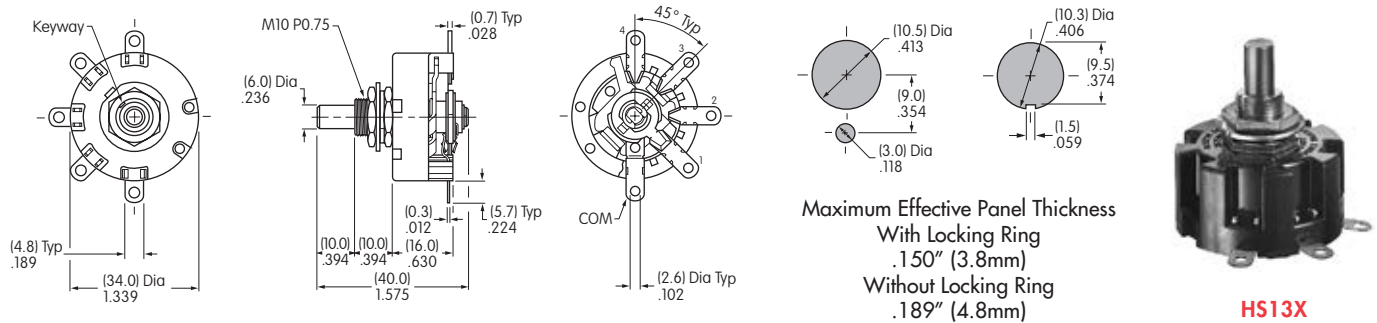


6 AMP SINGLE POLE/NONSHORTING/45° INDEXING

Round Shaft	D-flat Shaft	Number of Positions	Stopper Settings	Number of Terminals	Load Terminals	Schematics
HS13X	HS13X-D	2	Fixed	1 COM, 2 LOAD	1 & 2	HS13X
HS13Y	HS13Y-D	3	Fixed	1 COM, 3 LOAD	1, 2, & 3	HS13Y
HS13Z	HS13Z-D	4	Fixed	1 COM, 4 LOAD	1, 2, 3, & 4	HS13Z

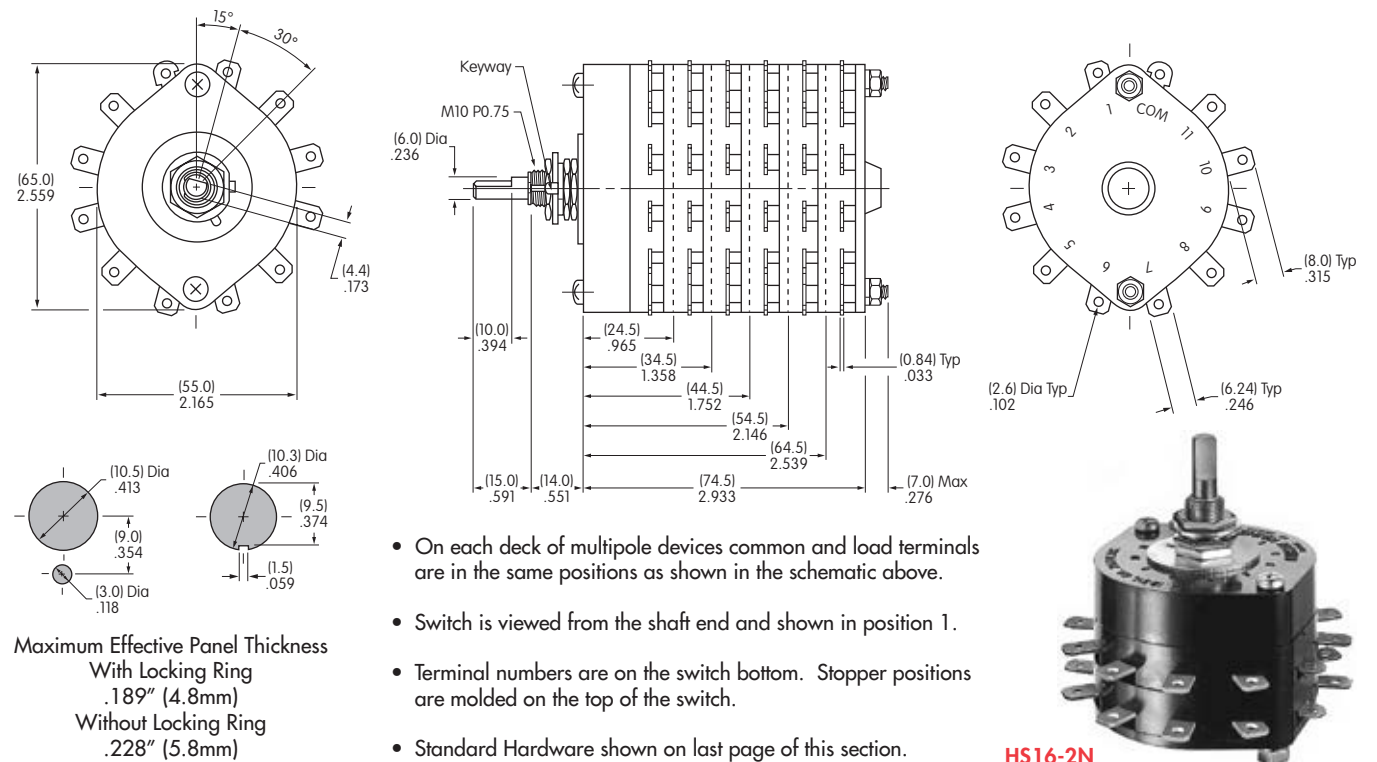
Switch is viewed from shaft end and shown in position 1. Terminal numbers are not on switch. Standard Hardware shown on last page of this section.



12 AMP/SHORTING & NONSHORTING/30° INDEXING

Knurled Shaft		D-flat Shaft		Pole	Number of Positions	Stopper Settings	Number of Terminals	Schematic
Nonshorting	Shorting	Nonshorting	Shorting					
HS16-1	HS16-1S	HS16-1N	HS16-1SN	1P	2-11	2, 3, 4 . . . 11	1 COM, 11 LOAD	
HS16-2	HS16-2S	HS16-2N	HS16-2SN	2P	2-11	2, 3, 4 . . . 11	2 COM, 22 LOAD	
HS16-3	HS16-3S	HS16-3N	HS16-3SN	3P	2-11	2, 3, 4 . . . 11	3 COM, 33 LOAD	
HS16-4	HS16-4S	HS16-4N	HS16-4SN	4P	2-11	2, 3, 4 . . . 11	4 COM, 44 LOAD	
HS16-5	HS16-5S	HS16-5N	HS16-5SN	5P	2-11	2, 3, 4 . . . 11	5 COM, 55 LOAD	
HS16-6	HS16-6S	HS16-6N	HS16-6SN	6P	2-11	2, 3, 4 . . . 11	6 COM, 66 LOAD	

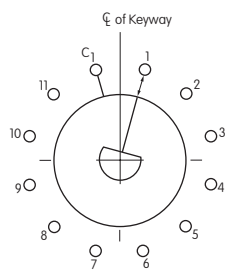
Switch is viewed from shaft end and shown in position 1. Terminal numbers are not on switch. Standard Hardware shown on last page of this section.



- On each deck of multipole devices common and load terminals are in the same positions as shown in the schematic above.
- Switch is viewed from the shaft end and shown in position 1.
- Terminal numbers are on the switch bottom. Stopper positions are molded on the top of the switch.
- Standard Hardware shown on last page of this section.

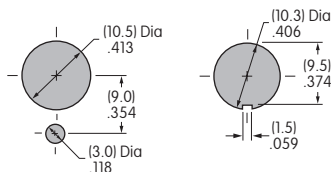
HS16-2N

6 AMP/NONSHORTING/ADJUSTABLE STOP/30° INDEXING

Model	Pole	Number of Positions	Stopper Settings	Number of Terminals	Shaft Type	Schematic
TS1N	1P	2-11	2, 3, 4 . . . 11	1 COM, 11 LOAD	D Flat	 On each deck of multipole devices common & load terminals are in the same positions as shown in this schematic. Switch is viewed from the shaft end and shown in position 1. Terminal numbers are on the switch bottom. Stopper positions are molded on the top of the switch.
TS2N	2P	2-11	2, 3, 4 . . . 11	2 COM, 22 LOAD	D Flat	
TS3N	3P	2-11	2, 3, 4 . . . 11	3 COM, 33 LOAD	D Flat	
TS4N	4P	2-11	2, 3, 4 . . . 11	4 COM, 44 LOAD	D Flat	
TS5N	5P	2-11	2, 3, 4 . . . 11	5 COM, 55 LOAD	D Flat	

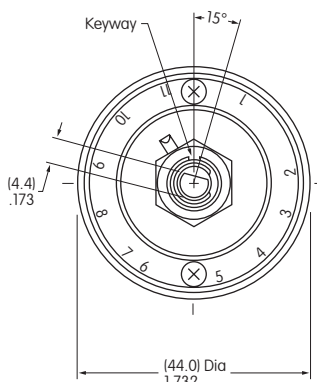
• Standard Hardware shown on last page of this section.

Panel Cutouts

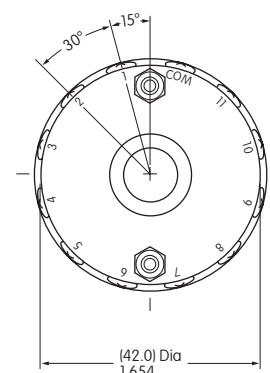


Maximum Effective Panel Thickness
With Locking Ring
.189" (4.8mm)
Without Locking Ring
.228" (5.8mm)

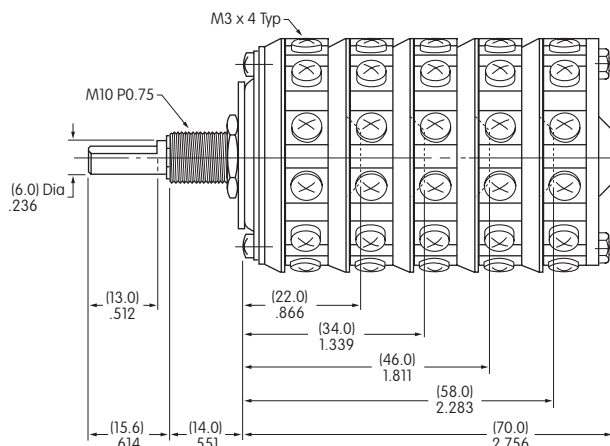
Top



Bottom



TS5N



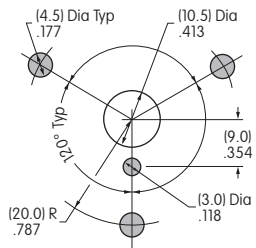
30 AMP/NONSHORTING/ADJUSTABLE STOP/30° INDEXING

Knurled Shaft	D Flat Shaft	Pole	Number of Positions	Stopper Settings	Number of Terminals	Schematic
PS1	PS1N	1P	2-11	2, 3, 4 . . . 11	1 COM, 11 LOAD	
PS2	PS2N	2P	2-11	2, 3, 4 . . . 11	2 COM, 22 LOAD	
PS3	PS3N	3P	2-11	2, 3, 4 . . . 11	3 COM, 33 LOAD	
PS4	PS4N	4P	2-11	2, 3, 4 . . . 11	4 COM, 44 LOAD	
PS5	PS5N	5P	2-11	2, 3, 4 . . . 11	5 COM, 55 LOAD	

On each deck of multipole devices common & load terminals are in the same positions as shown in this schematic. Switch is viewed from the shaft end and shown in position 1. Terminal numbers are on switch bottom. Stopper positions are molded on the top of the switch.

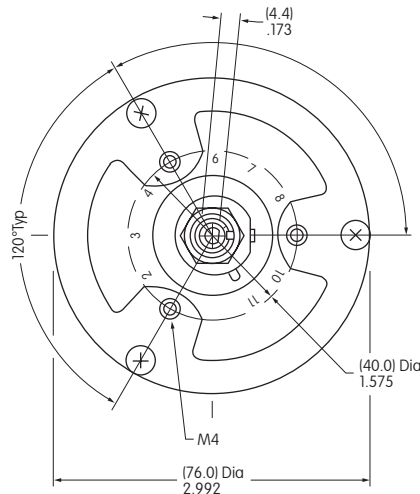
- Standard Hardware shown on last page of this section.

Panel Cutout

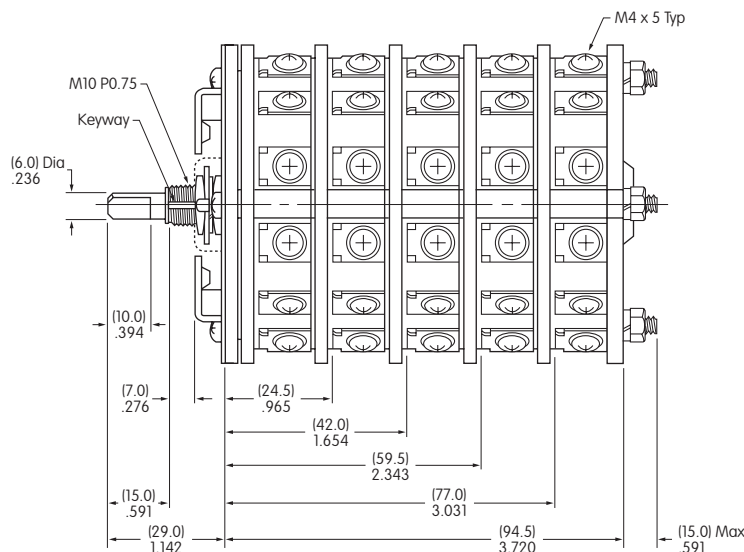
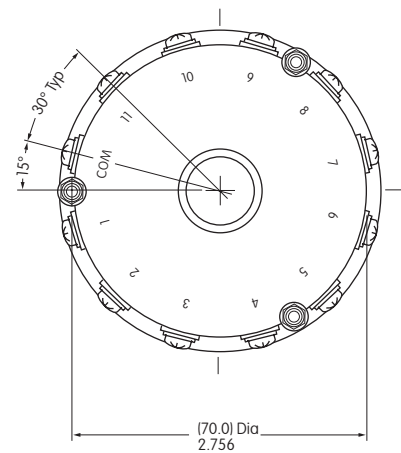


Maximum Effective Panel Thickness
Without Locking Ring
.189" (4.8mm)

Top



Bottom

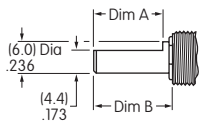


PS4N

SHAFT TYPES

D Flat Shaft

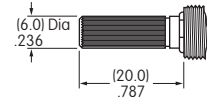
For use with
AT431 and AT432



Dimension A	Dimension B
For TS (13.0) .512	For TS (15.6) .614
For HS (10.0) .394	For HS (15.0) .591

Knurled Shaft

Not for use with
AT431 or AT432

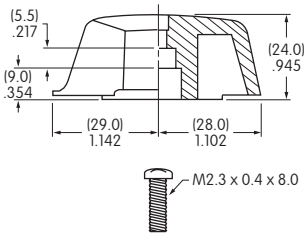
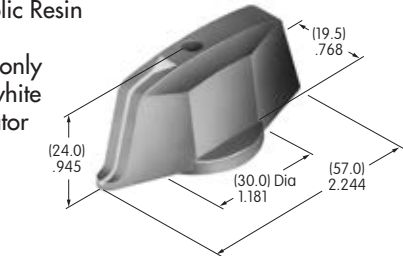


OPTIONAL KNOBS FOR D FLAT SHAFTS

AT431 Large Knob

Phenolic Resin

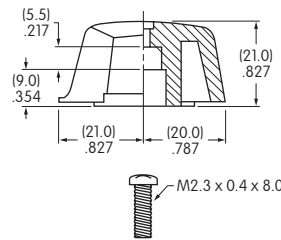
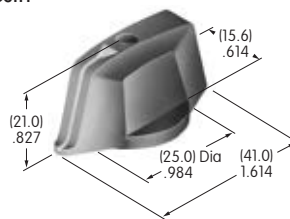
Black only
with white
indicator
line



AT432 Small Knob

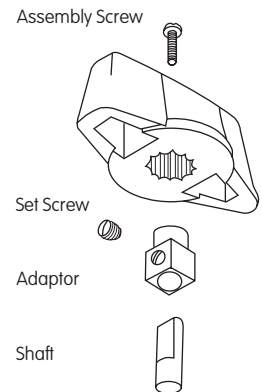
Phenolic Resin

Black only
with white
indicator
line



Knob Orientation

The rotary knobs used on the D-flat shafts can be oriented on the switch to suit the customer's particular front panel needs simply by sliding the knob over the square adaptor at the preferred orientation.



STOPPER SETTING

For HS16, TS, & PS Models

The HS16, TS, and PS switches are supplied with the stopper plate set for the maximum number of positions allowed for that model. Prior to installation, the desired stopper setting should be made:

1. Be sure the shaft is turned counterclockwise to the extreme left. If the shaft is not turned counterclockwise to the extreme left, proper setting cannot be achieved.
2. Loosen the nut far enough to allow raising the stopper plate for resetting.
3. Insert the stopper in the numbered hole for the desired stopper setting. Satisfactory switch functioning cannot be assured if the stopper plate is not properly positioned.
4. Tighten the nut firmly against the stopped plate.

Standard Hardware Supplied with HS, TS, and PS:

AT526 Hex Mounting Nut (quantity 3)
AT518 Locking Ring (quantity 1)
AT520 Split Lockwasher (quantity 1)
Use of mounting supports on PS is optional; screws are not provided.

