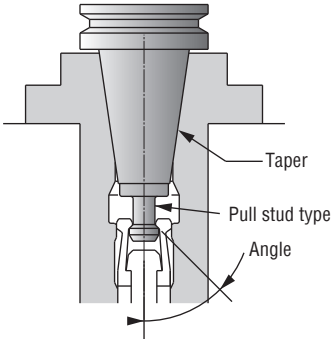
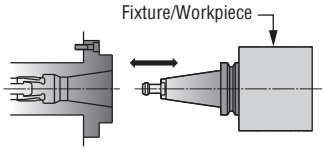
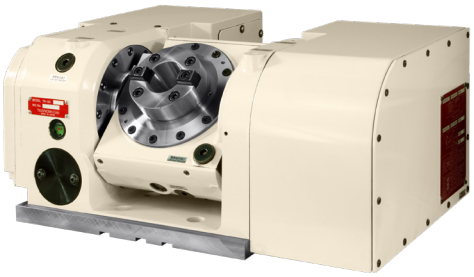
PULL STUD DEVICES

A pull stud device positions and mounts a fixture/workpiece on a rotary table by using the taper shank with a pull stud. Combining a pull stud unit and a robot/work loader allows for an unmanned machining system.





Knob Angle	Stud
45°	I
60°	II
90°	Other



TWA-130 with CAT-40 Pull Stud

PULL STUD MODELS

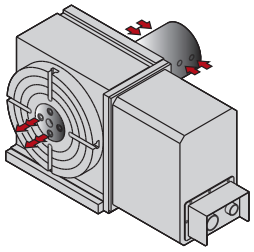
Rotary Table Model	Taper shank	Pull stud clamp force N (lbf.)	Hydraulic pressure PSI	Pneumatic pressure for air blow PSI
RWE-160, 200, 250, 320 RWA-160, 200, 250, 320	CAT/BT-40	11,000 (2,464)	500	30 ~ 60
TN-101 TWA-130, 160				
RWE-200, 250, 320 RWA-200, 250, 320	CAT/BT-50			
RWB-250(K)				
TWA-200, 320				
RWB-320(K), 400(K), 500(K)	CAT/BT-50	15,000 (3,360)		

ROTARY JOINTS

A rotary joint unit is used to supply hydraulic or pneumatic pressure to a workpiece or a fixture/actuator mounted to the rotary table. A rotary joint enables automatic loading and unloading of a workpiece. Custom designed rotary joints are available for most tables.

TYPICAL TABLE / ROTARY JOINT SPECIFICATIONS

Rotary Table Model	Maximum number of ports	Typical supplied pressure PSI
RWE-160, RWA-160, 200, 250	6	3000 (Custom designs available)
RWE-320, RWA-320	6	
RNCM-251, 301, 401	6	
RNCM-501	6	
RCV-Series	Varies	
RNCV-Series	Varies	
RWB-250(K), 320(K)	12	
RWB-400(K), 500(K)	16	
RNCK-631	8	
RC/RNC-Series	Varies	
SSB 160-210	12	
SSB-255-310	16	



RWB-400K with Capto C8 Pull Stud and custom rotary joint