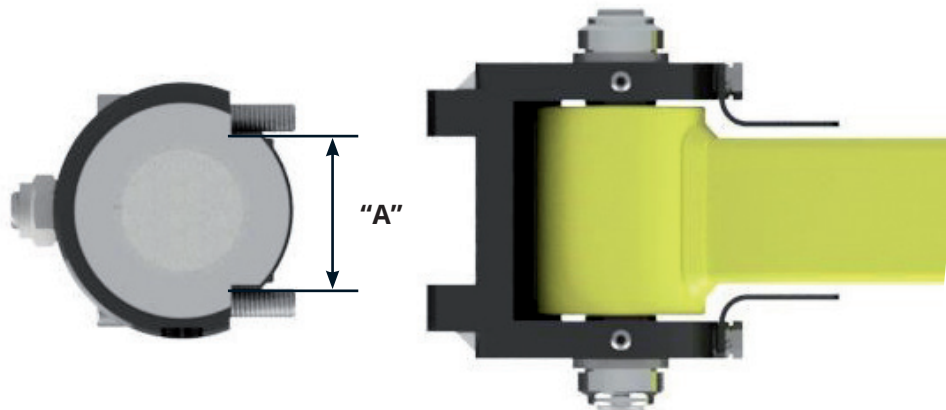


## PNEUMATIC BRAKES

### VERTICAL AXIS PNEUMATIC BRAKE

TSA uses this type of brake to set a limit on the vertical axis "Z" (which is generally cleared), allowing for a rotation block before tightening. It is fitted with an electric safety sensor which, with the appropriate tool interface, prevents the tightening of the latter if no connection has been completed. This accessory is mounted directly on the vertical rod hinge of the articulated arm (using suitable screws), keeping the vertical rod rotation. In the section below, its position allows for easy cabling and limited size. This connection system also includes a protection guard, limit for the vertical axis rotation at 330° (to prevent cable twisting). This type of accessory is especially suitable for electric tools with torque control.



ENGAGEMENT CLUTCH	MAX TORQUE	MINIMUM OPERATING PRESSURE	AVAILABLE ACCESSORY FOR EACH ARM	LENGTH "A"	NUMBER OF CLUTCH TEETH	VERTICAL ROD	WEIGHT
	Nm	BAR	Size	mm			Kg.
<b>F13P09000</b>	150	4	1 (150Nm)	30	240	30X30	3
<b>F24P11400</b>	250	4	2	40	264	40X40	5
<b>F34P14000 *</b>	500	4	3	50	280	40X40	11
<b>F35P16600</b>	1000	4	3	50	300	50X50	14
<b>F56P21000</b>	2000	4	5	60	360	60X60	32

\* The graft model marked with this symbol requires, in order to be interfaced with the articulated Arm, a VERTICAL ROD hinge of 50X50.