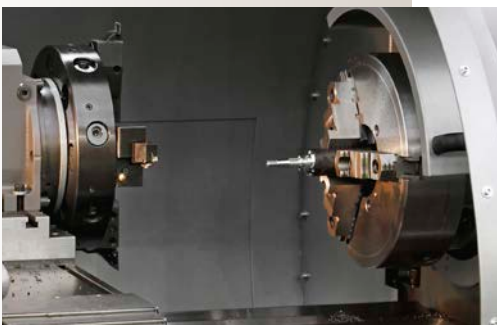


# Custom Designed X-Small Brakes

Electrically Released Spring-Set Holding Brakes for applications where weight or space are major constraints



There are applications where every single gram counts. XS Brakes have been designed with two key constraints in mind: optimize the torque level in the **smallest space** design and at the **lightest weight**. No compromises have been made between the performance of the brake, the extra low weight and the required space envelope to fit this brake in your application. XS Brakes are highly reliable, fail safe devices designed as statically engaged/disengaged holding brakes. These brakes provide low cycle rate stopping action in emergency situations.

Warner Electric approaches every application from the standpoint of finding the absolute best functional solution. The highest mounting flexibility is ensured thanks to the usage of fully customized adaptor flange. They are tailored to your application.

XS Brakes are particularly suited for application where very small space envelope and extra low weights are critical:

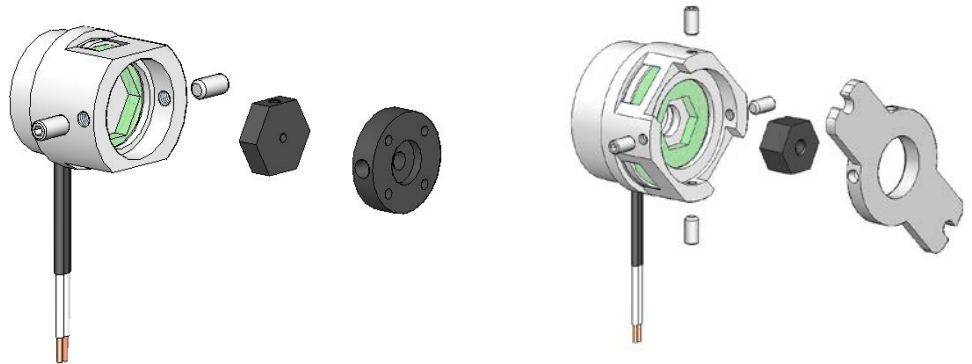
- Aerospace
- Medical machinery
- Machine tools
- Others



## X-Small Brakes

**6 different brake sizes are available to meet your specific application requirements.**

The highest mounting flexibility is ensured thanks to the usage of fully customized adaptor flange. They are tailored to your application:



### XS-Brake Family Technical Characteristics

Series		XSB22S	XSB22L	XSB29S	XSB29L	XSB33S	XSB33L
Static torque (mNm)	Min	15	30	130	200	350	500
Maximum Operating speed (1/min)	Max	10000	10000	10000	10000	10000	10000
Shaft size (mm)	Max	Ø3.5	Ø3.5	Ø4.5	Ø4.5	Ø6	Ø6
External Diameter (mm)		Ø22	Ø22	Ø29	Ø29	Ø33.5	Ø33.5
Length (mm)		18.5	23	21	26	24	26.5
Voltage *	Standard	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V	12V, 24V
Weight (gram)**		30	37	55	70	90	100

\* Other voltages available upon request

\*\* Without flange