

# Abssac Budgetbeam Couplings

---



- Budgetbeam Couplers

**Call:** 01386 421 005

**Email:** [sales@abssac.co.uk](mailto:sales@abssac.co.uk)

**Web:** [www.abssac.co.uk](http://www.abssac.co.uk)

# BUDGETBEAM

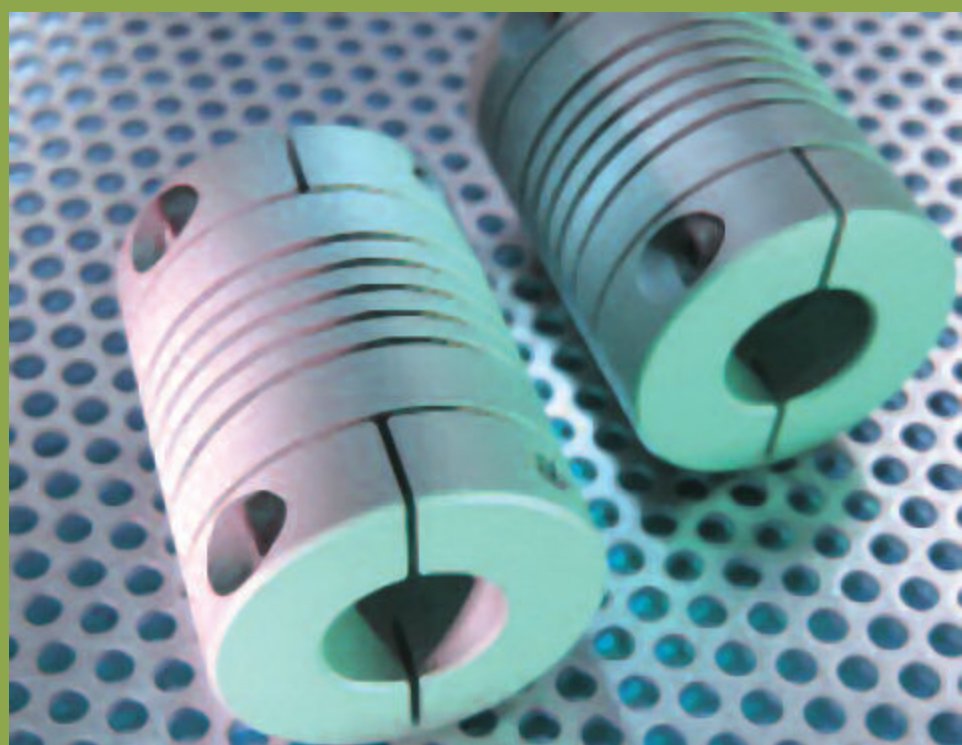
A high torsional stiffness single piece construction, zero backlash, constant velocity shaft coupling that simultaneously compensates for angular, parallel and skewed shaft misalignments. Available in Aluminium alloy as standard with metric bore sizes, stocked and ready to be delivered. Ideal for medium duty applications.



**High torsional stiffness**



**Premium quality**



**Integral clamp shaft attachment**



**Set screw shaft attachment**



# BUDGETBEAM

**Increased torque capacity**

**Ex-Stock delivery**

**Zero backlash**

**Once piece construction**

**Integral clamp shaft attachment**

**Set screw shaft attachment**

**Low radial loads**

**No axial spiking**

**Constant velocity**

**Low inertia**

**Aluminium construction**

**Shafts can near butt within centre of coupling**

**Metric bores**

## Conditions of Sale

The prices quoted are in Pounds sterling. The prices quoted do not include VAT or carriage/packaging, which will be charged at cost unless otherwise stated.

Our standard terms and conditions of sale apply - A copy which is available on request.

The information contained in this brochure is provided "as is" without warranty of any kind, either expresses or implied. Abszac Limited assumes no responsibility for errors or omissions in this document. The pages could include technical or other inaccuracies including typographical errors. Updates and changes are periodically added to the information herein, these changes will be incorporated in the new editions of these pages. Abszac Limited may make improvements and/or changes in the products(s) described in this publications at any time in 2009.



## SHAFT COUPLING

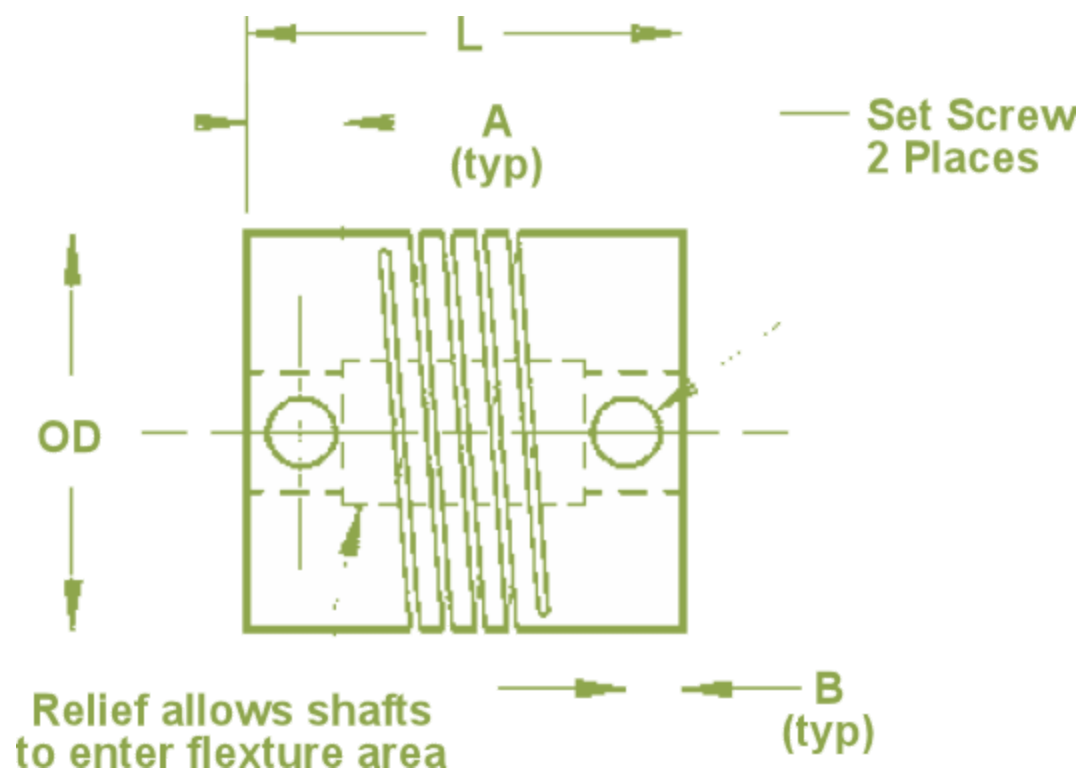
Low cost High torsional stiffness

Always in stock No minimum order

# Budgetbeam - Torsional Stiffness Guaranteed

## Set Screw Style

Basic Model Number				Performance Data				Performance Dimensional Information				Screw Data	
PART NUMBER	BORE COMBINATIONS (mm)	BORE +.05mm/-.000		TRQ‡ (Nm)	TORSIONAL STIFFNESS (deg/Nm)	INERTIA† kgcmsec <sup>2</sup> (10E-7)	WT† (gm)	OD (mm)	L (mm)	A (mm)	B (mm)	SET SCREW SIZE	SET SCREW* TRQ (Nm)
		A1	A2										
ABS2M050	3mm - 3mm	3mm	3mm	0.69	3.2	8.0	3.7	12.7	12.7	3.3	1.8	M2.5	0.6
ABS2M075	4mm - 4mm	4mm	4mm	2.0	1.0	60.4	13	19.1	19.1	4.6	2.5	M4	2.1
	5mm - 5mm	5mm	5mm	1.9	1.3								
	6mm - 6mm	6mm	6mm	1.8	1.8								
ABS2M100	6mm - 6mm	6mm	6mm	4.9	0.46	259	30	25.4	25.4	6.6	4.1	M5	4.7
	8mm - 8mm	8mm	8mm	4.5	0.68								
	10mm - 10mm	10mm	10mm	3.8	1.1								
ABS2M112	10mm - 10mm	10mm	10mm	6.6	0.51	452	39	28.6	28.6	7.1	3.6	M6	7.7
	12mm - 12mm	12mm	12mm	5.6	0.77								



Material: Aluminum Alloy  
 Finish: Anodise  
 Misalignment Ratings:  
 Angular 3 degrees  
 Parallel offset: 0.15mm.  
 (0.30mm T.I.R)  
 Axial Motion:  
 +/- 0.15mm

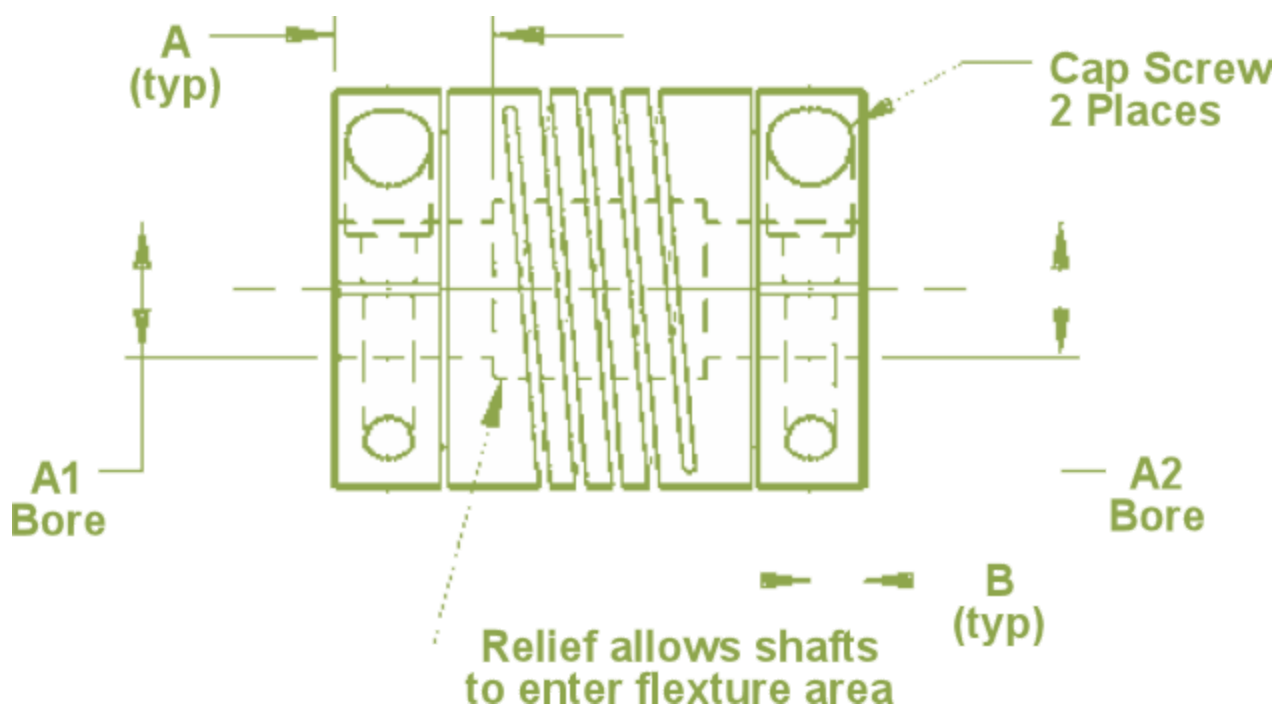
- \* Maximum recommended value to be applied with hex wrench in good condition
- † WT & Inertia are based on smallest bore combination listed.
- ‡ Dynamic Torque ratings are momentary values. For nonreversing applications divide by 2. Divide by 4 for reversing applications.

Basic Model Number  
**A = Aluminum**  
**B = Budgetbeam**  
**C = Integral Clamp / S = Set Screw**  
**2 = Coil Configuration**  
**M = Metric Screw**  
**ABC2M050 - 3mm-3mm**  
 Outside Diameter      A1+A2 Bore Designator

# Budgetbeam - Torsional Stiffness Guaranteed

## Clamp Style

Basic Model Number				Performance Data				Performance Dimensional Information				Screw Data	
PART NUMBER	BORE COMBINATIONS (mm)	BORE $+.05\text{mm}/-.000$		TRQ‡ (Nm)	TORSIONAL STIFFNESS (deg/Nm)	INERTIA† kgcmsec <sup>2</sup> (10E-7)	WT† (gm)	OD (mm)	L (mm)	A (mm)	B (mm)	SET SCREW SIZE	SET SCREW* TRQ (Nm)
		A1	A2										
ABC2M050	3mm - 3mm	3mm	3mm	0.69	3.2	12.6	5.8	12.7	19.1	3.3	1.8	M1.6	0.4
ABC2M075	4mm - 4mm	4mm	4mm	2.0	1.0	74.4	15	19.1	22.9	6.4	3.3	M2.5	1.3
	5mm - 5mm	5mm	5mm	1.9	1.3								
	6mm - 6mm	6mm	6mm	1.8	1.8								
ABC2M100	6mm - 6mm	6mm	6mm	4.9	0.46	333	38	25.4	31.8	7.9	3.8	M3	2.5
	8mm - 8mm	8mm	8mm	4.5	0.68								
	10mm - 10mm	10mm	10mm	3.8	1.1								
ABC2M112	10mm - 10mm	10mm	10mm	6.6	0.51	626	54	28.6	38.1	11.4	3.8	M3	2.5
	12mm - 12mm	12mm	12mm	5.6	0.77								



Material: Aluminum Alloy  
 Finish: Anodise  
 Misalignment Ratings:  
 Angular 3 degrees  
 Parallel offset: 0.15mm.  
 (0.30mm T.I.R)  
 Axial Motion:  
 +/- 0.15mm

- \* Maximum recommended value to be applied with hex wrench in good condition
- † WT & Inertia are based on smallest bore combination listed.
- ‡ Dynamic Torque ratings are momentary values. For nonreversing applications divide by 2. Divide by 4 for reversing applications.

Basic Model Number  
**A = Aluminum**  
**B = Budgetbeam**  
**C = Integral Clamp / S = Set Screw**  
**2 = Coil Configuration**  
**M = Metric Screw**  
**ABC2M050 - 3mm-3mm**  
 Outside Diameter      A1+A2 Bore Designator