

Table of contents

Worm gear screw jack applications	4	Accessories	38
The Thomson screw jack range	5	Top plate BP	38
Selection chart	6	Fork end GA.....	39
Presentation of the MULI® and JUMBO® series	9	Clevis end GK.....	39
Design versions.....	10	Protection Bellow F.....	40
General technical data.....	12	Adapter for attaching a second bellow.....	42
Sizing and selection	15	Spiral spring band cover SF.....	42
Worm gear screw jack and drive unit selection.....	16	Trapezoidal bronze nut TGM-EFM.....	44
Critical buckling force calculations.....	17	Flanged ball nut KGF-N.....	45
Critical speed calculations.....	18	Flanged ball nut KGF-D.....	46
Drive torque and holding moment calculations.....	20	Universal joint adapter KAR.....	47
Lifetime, force and torque considerations.....	21	Adapter bracket KON.....	48
Performance tables.....	24	Mounting feet L.....	49
Order code	28	Universal joint adapter K, KZP, KB, KBP.....	50
Checklist.....	29	Bearing units AFF for screw end.....	51
Screw jack system configurations.....	33	Bearing units BF for screw end.....	52
Dimensions	34	Handwheels HR.....	53
Version N and V.....	34	Safety nut SFM with wear indicator.....	54
Version R.....	36	Limit switch with roller lever ES.....	56
		Drive technology	58
		3-phase motors DRS / DRE.....	59
		Servo motors AKM.....	61
		Motor adapter flanges MG for 3-phase motors.....	63
		Couplings.....	65
		Joint shafts VWK.....	70
		Pillow block bearing UKP.....	74
		Intermediate shaft pin WZK.....	74
		Joint shafts VW.....	75
		Joint shafts GX.....	76
		Clamping units.....	77
		Bevel gear boxes KRG.....	78
		Installation and Maintenance	82