

INDEX CONSTITUENTS

ROBO GLOBAL[®] ROBOTICS AND AUTOMATION UCITS INDEX CONSTITUENTS

TOTAL NUMBER OF CONSTITUENTS: 88

EFFECTIVE DATE: 9/30/2018

COMPANY NAME	TICKER	WEIGHT
KOH YOUNG TECHNOLOGY INC.....	098460 KQ.....	1.36%
AIRTAC INTERNATIONAL GROUP	1590 TT	1.11%
HIWIN TECHNOLOGIES	2049 TT	1.65%
DELTA ELECTRONICS INC.....	2308 TT	1.05%
ADVANTECH CO LTD ORD	2395 TT	1.07%
GLOBAL UNICHIP CORP	3443 TT	0.76%
TOSHIBA MACHINE CO LTD	6104 JT	0.64%
AIDA ENGINEERING LTD	6118 JT	0.64%
FUJI CORP	6134 JT	0.98%
NABTESCO CORP ORD.....	6268 JT	1.82%
SMC CORP ORD.....	6273 JT	1.03%
HARMONIC DRIVE SYSTEMS INC	6324 JT	1.47%
DAIFUKU CO LTD	6383 JT	1.84%
AMANO CORPORATION	6436 JT	0.98%
NACHI-FUJIKOSHI CORP ORD	6474 JT	1.05%
THK CO LTD ORD.....	6481 JT	1.01%
YUSHIN PRECISION EQUIPMENT	6482 JT	0.29%
MITSUBISHI ELECTRIC CORP	6503 JT	1.03%
YASKAWA ELECTRIC CORP ORD.....	6506 JT	1.71%
DAIHEN CORP	6622 JT	0.64%
OMRON CORP ORD	6645 JT	1.71%
YOKOGAWA ELECTRIC CORP ORD	6841 JT	1.03%
KEYENCE CORP ORD.....	6861 JT	1.84%
OPTEX GROUP CO LTD	6914 JT	0.83%
FANUC CORP	6954 JT	1.72%
TOPCON CORP	7732 JT	1.08%
ABB LTD-REG.....	ABBN SE.....	0.98%
AUTODESK INC.....	ADSK UW	1.01%

ROBO GLOBAL® ROBOTICS AND AUTOMATION UCITS INDEX CONSTITUENTS cont.

COMPANY NAME	TICKER	WEIGHT
SLM SOLUTIONS GROUP AG	AM3D GY	0.35%
AMBARELLA INC	AMBA UW	0.96%
APTIV PLC	APTIV UN	0.96%
ACCURAY INC	ARAY UW	0.48%
ATS AUTOMATION TOOLING SYSTEMS INC	ATA CT	1.06%
AEROVIRONMENT INC	AVAV UW	1.89%
BROOKS AUTOMATION INC	BRKS UW	1.65%
CADENCE DESIGN SYSTEMS INC	CDNS UW	0.94%
CARGOTEC OYJ CLASS B	CGCBV FH	0.97%
COGNEX CORP	CGNX UW	1.79%
3D SYSTEMS CORP	DDD UN	0.98%
DEERE & CO	DE UN	0.98%
DASSAULT SYSTEMES SA	DSY FP	0.97%
DUERR AG	DUE GY	0.99%
ELEKTA AB	EKTAB SS	0.97%
FARO TECHNOLOGIES INC	FARO UW	1.40%
FLIR SYSTEMS INC	FLIR UW	1.68%
GEA GROUP AKTIENGESELLSCHAFT	G1A GY	0.93%
HEXAGON AB CLASS B	HEXAB SS	0.97%
HELIX ENERGY SOLUTIONS GROUP	HLX UN	1.07%
HOLLYSYS AUTOMATION TECHNOLO	HOLI UW	1.49%
ILLUMINA INC	ILMN UW	1.02%
IPG PHOTONICS CORP	IPGP UW	1.68%
IROBOT CORP	IRBT UW	1.80%
ISRA VISION AG	ISR GY	0.87%
INTUITIVE SURGICAL INC	ISRG UW	1.81%
JOHN BEAN TECHNOLOGIES CORP	JBT UN	0.96%
JENOPTIK AG	JEN GY	0.92%
KARDEX AG-REG	KARN SE	0.96%
KION GROUP AG	KGX GY	0.94%
KRONES AG	KRN GY	1.60%
LINCOLN ELECTRIC HOLDINGS	LECO UW	0.98%
MANHATTAN ASSOCIATES INC	MANH UW	0.90%
MAXAR TECHNOLOGIES LTD	MAXR CT	0.95%
MICROCHIP TECHNOLOGY INC	MCHP UW	0.91%
MAZOR ROBOTICS LTD	MZOR IT	1.64%

ROBO GLOBAL® ROBOTICS AND AUTOMATION UCITS INDEX CONSTITUENTS cont.

COMPANY NAME	TICKER	WEIGHT
NATIONAL INSTRUMENTS CORP	NATI UW	0.96%
NORDSON CORP	NDSN UW	0.94%
NOVANTA INC	NOVT UW	0.87%
NUANCE COMMUNICATIONS INC.....	NUAN UW	1.01%
NVIDIA CORP.....	NVDA UW.....	1.75%
OCADO GROUP PLC.....	OCDO LN	0.89%
OCEANEERING INTL INC	OII UN.....	1.77%
PARAMETRIC TECHNOLOGY CORP	PTC UW	1.03%
QUALCOMM INC.....	QCOM UW	0.98%
QIAGEN NV.....	QGEN UN.....	0.96%
RAVEN INDUSTRIES INC.....	RAVN UW	0.91%
ROCKWELL AUTOMATION INC	ROK UN	1.73%
RENISHAW PLC.....	RSW LN	0.90%
SIEMENS AG	SIE GY.....	0.98%
STRATASYS LTD	SSYS UW.....	0.96%
SCHNEIDER ELECTRIC SE.....	SU FP	1.04%
TELEDYNE TECHNOLOGIES INC.....	TDY UN	0.98%
TECAN GROUP AG-REG.....	TECN SE	0.94%
TERADYNE INC	TER UN	0.90%
TRIMBLE INC	TRMB UW.....	0.98%
U-BLOX AG.....	UBXN SE.....	0.94%
VARIAN MEDICAL SYSTEMS INC	VAR UN	1.01%
XILINX INC.....	XLNX UW.....	1.00%
ZEBRA TECHNOLOGIES CORP	ZBRA UW.....	1.79%

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