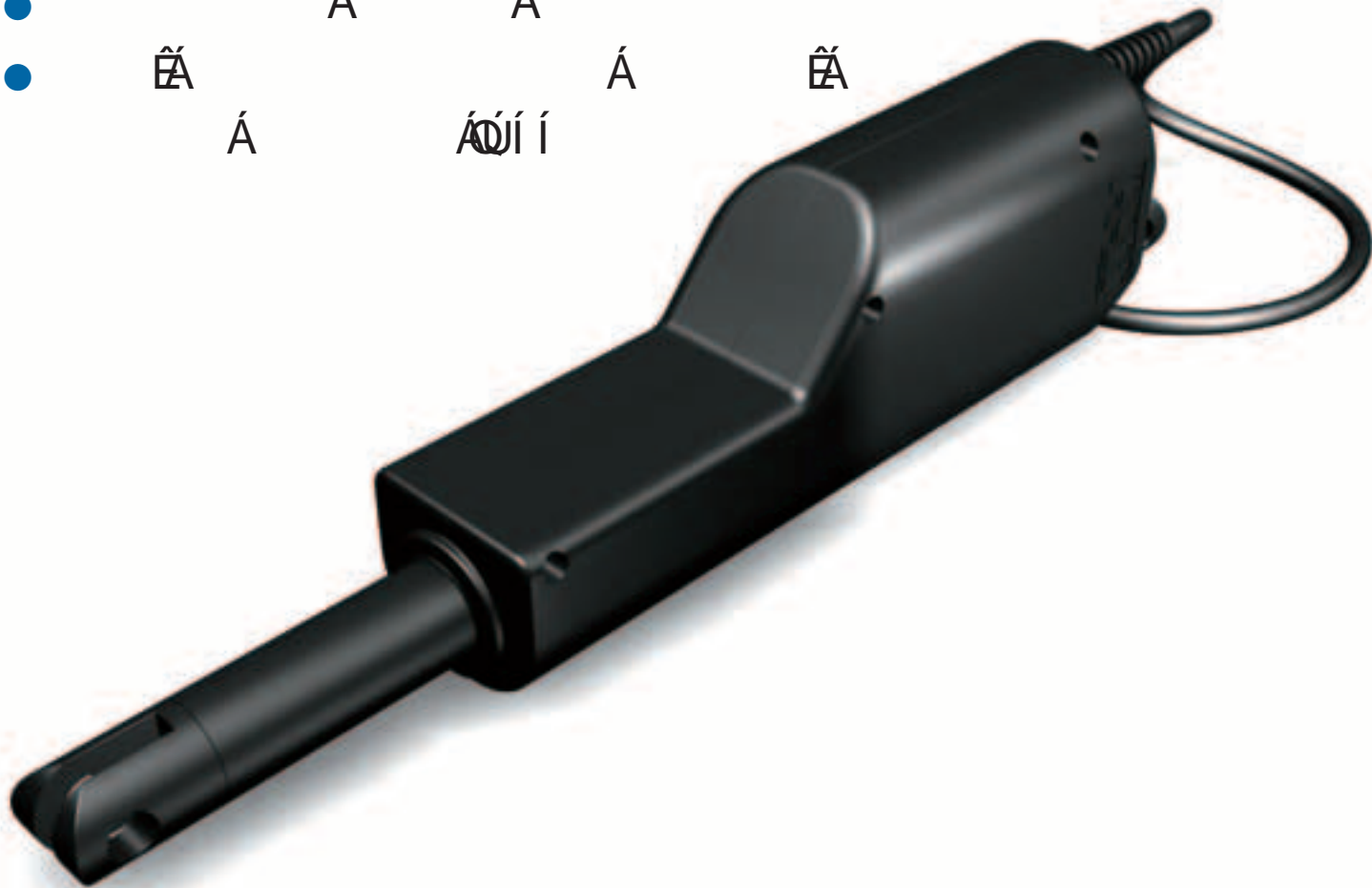


NEW

CRES

- -
- Á Á
Á Á
Á Á



ROD ACTUATOR CRES

COMPACT

Компактный

RIGID

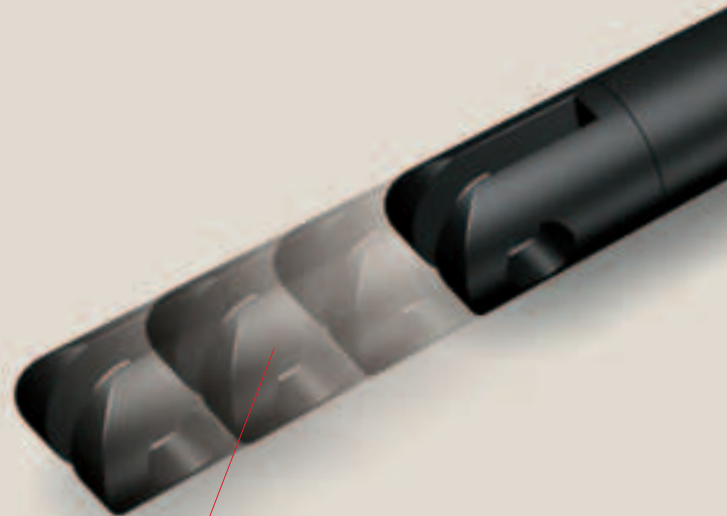
Splash-Proof construction, complies with IP55 standard

ECONOMICAL

Low cost, simple structure due to the use fewer components

STYLISH

Streamlined, corner-free design



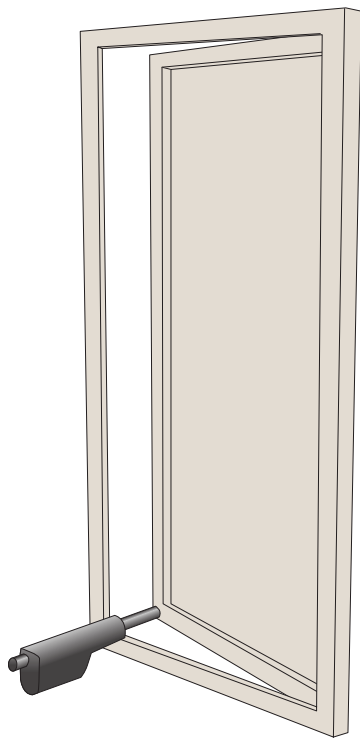
Light weight rod made of tough resin material



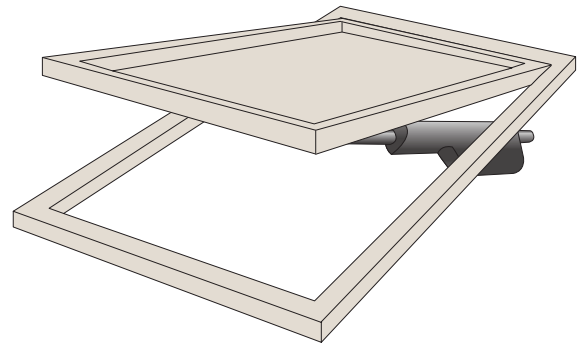
CRESÁ Á

■ : CRES 200
196N
55mm/sec

■ : ÔÜÒÙÁ €€
490N
15mm/sec

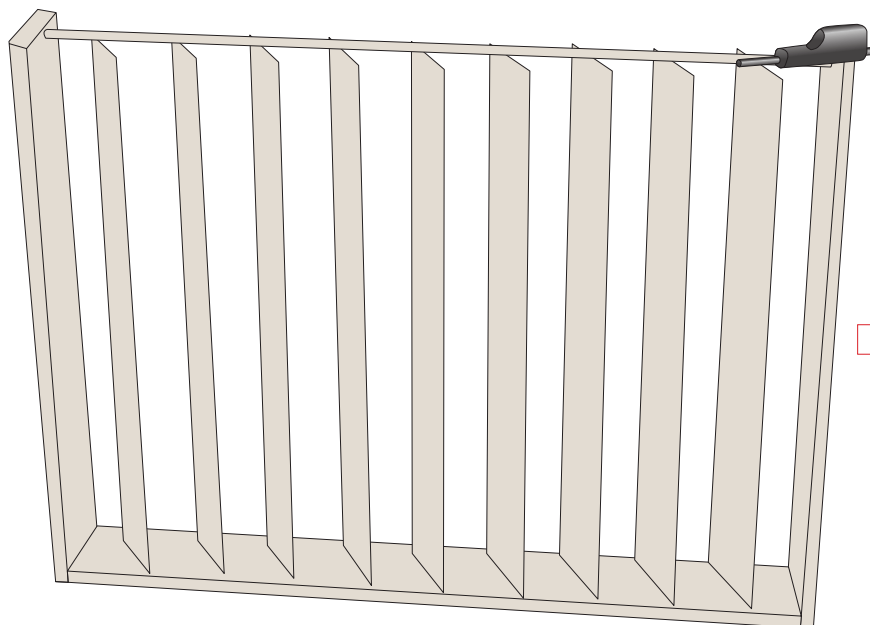


High-rise windows,
exhaust windows, etc.

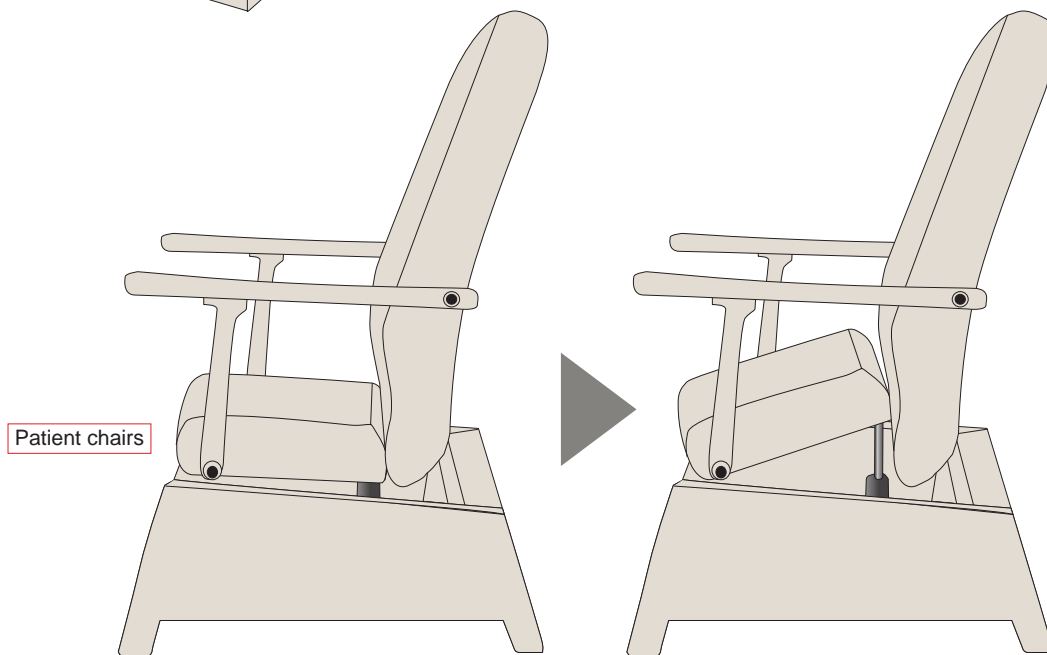
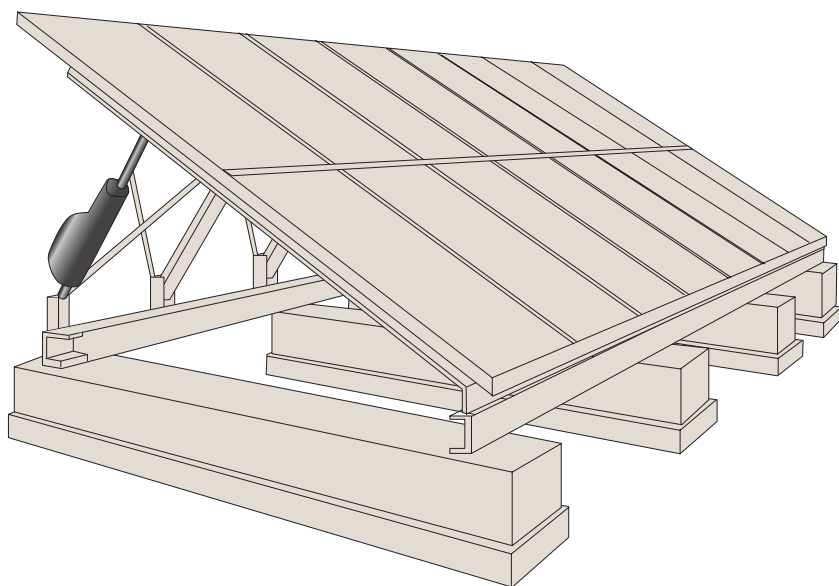
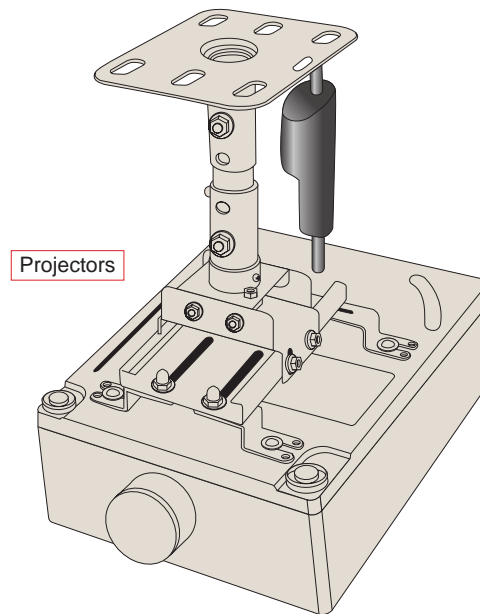
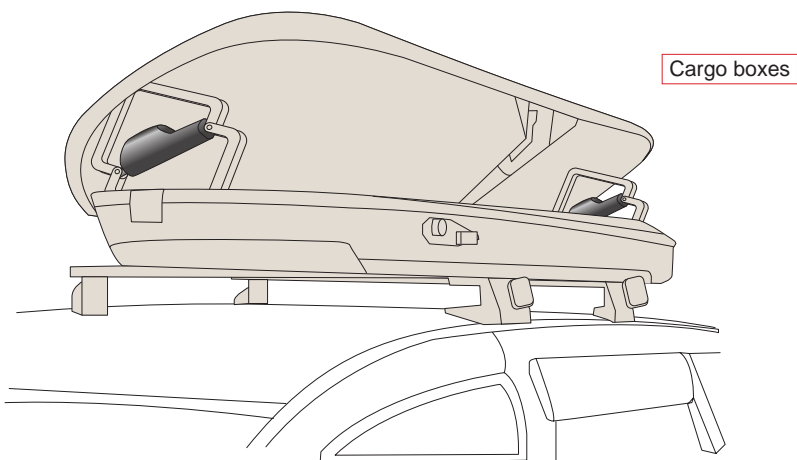


APPLICATIONS —Examples—

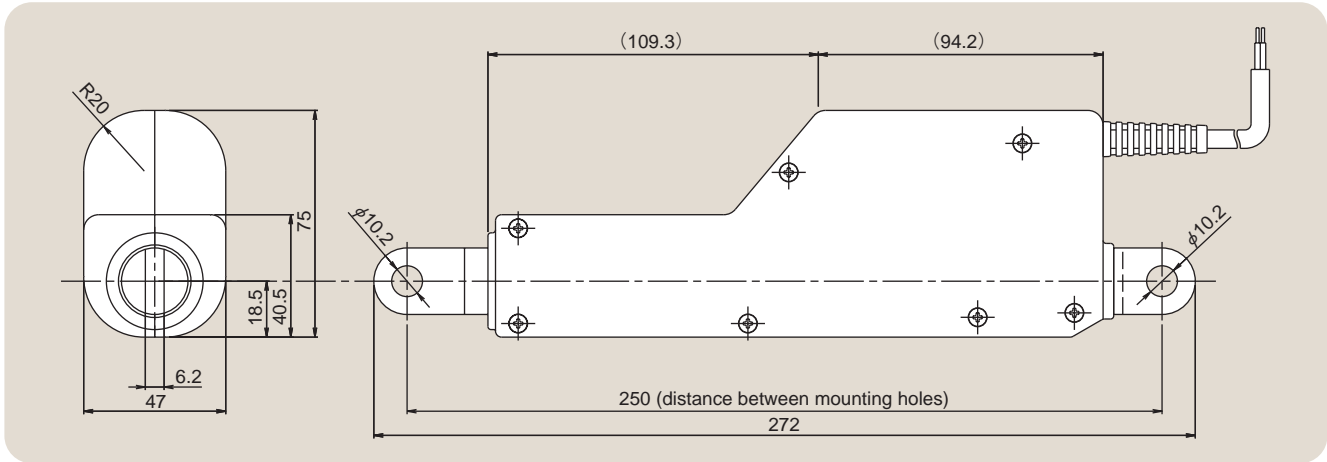
The CRES Rod type actuator can be used in various applications requiring simple movement with simple control, such as electrically powered opening of high-rise windows (skylights, greenhouse windows, etc.) and electrically powered window blinds.



Blind



Outlines dimensions of CRES



Model number designation of CRES

CRES 200 – 130 – 12 – E

① ② ③ ④ ⑤

①	Model No.	CRES
②	Applicable thrust	200: 196N (20kgf) type 500: 490N (50kgf) type
③	Stroke length	50mm • 100mm • 130mm
④	Motor voltage	12: DC12V E: other (optional)
⑤	Cable end treatment	No symbol: none (pre-soldered only) E: other (optional)

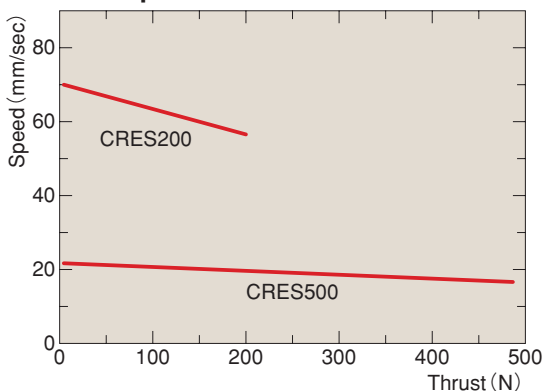
* Standard cable has a length of 1,000mm (with wire end pre-soldered).

Specifications of CRES

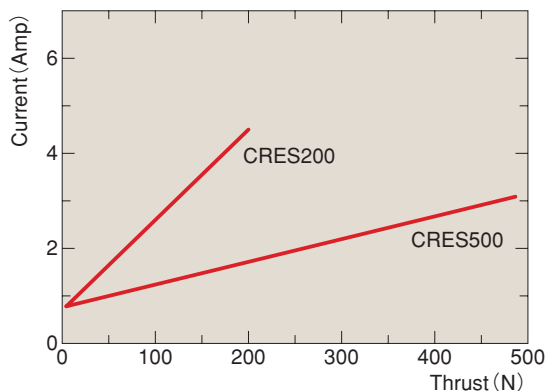
Basic specifications

Item	Unit	CRES200	CRES500	
Rated speed (at rated thrust)	mm/sec	55	15	
Rated thrust (at 12VDC, 4.5A input)	N	196	490	
Screw lead	mm	6	2	
Motor (DC motor)	-	DC12V±15%		
Rod diameter	mm	φ 22		
Service temperature environment	-	-10°C to +60°C (20 to 80% RH or less)		
Storage temperature environment	-	-20°C to +70°C (20 to 80% RH or less)		
Max stroke	mm	50	100	130
Limit switch active position	mm	0, 50	0, 100	0, 130
Mass	g	700		

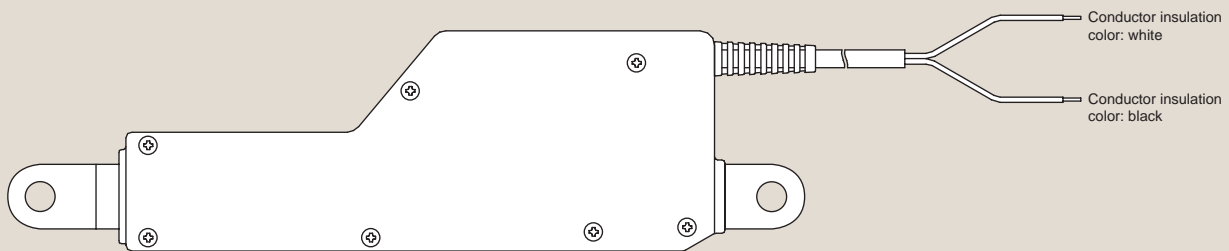
Thrust-speed characteristic



Thrust-current characteristic

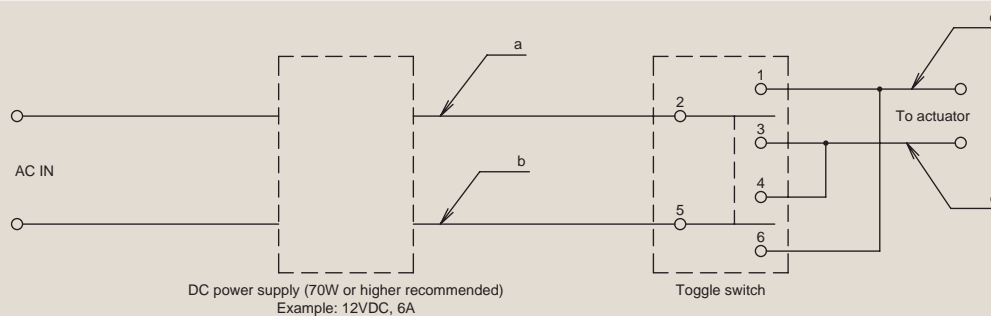


Operating Direction of CRES



The actuator extends if a positive current is connected to the white cable.

Example of Wiring CRES



In the figure above, the actuator extends if a positive current is applied to "a," the white colored conductor of the actuator is connected to "c" and the black colored conductor to "d," and then the toggle switch is turned on at 2-1 and 5-4.

Other

To use this product in a special environment, change the motor voltage rating or the connector type, please contact THK.

Change the motor voltage rating or the connector type, please contact THK

- Do not apply a moment to the rod.
- When using a 12-V power supply, do not exceed 8A. This may generate heat and result in fire.
- The stroke is controlled between the ends at 0 to 50, 100 and 130. If an intermediate stop is desired, please provide an external switch.

Be sure to observe the following for safe use of this product.



Warning

Do not have sudden impact.

Observe not to drop the product or have an impact on the product when storing, transporting, installing or operating it. Doing so may cause injury or malfunction.

Do not disassemble the product.

Do not disassemble, alter or repair the product by yourself. Doing so may cause fire, electric shock or malfunction. In addition, unauthorized disassembly will void the product warranty.

Do not use the product at voltage other than the rated voltage.

Do not use the product at a voltage other than the operating conditions, supply voltage. Doing so may cause fire or electric shock.

Unplug the power cord if abnormal performance occurs.

If you experience an abnormal operating conditions, such as abnormal noise, smoke and abnormal odor, unplug the power cord. Using the product in an abnormal condition may cause fire, electric shock or malfunction.

Do not touch any moving part.

Do not touch any moving part during operation. Use particular care not to let children touch them. It may cause injury or malfunction.

ROD ACTUATOR

CRES

THK CO., LTD.

HEAD OFFICE 3-11-6, NISHI-GOTANDA, SHINAGAWA-KU, TOKYO 141-8503 JAPAN
ASIA PACIFIC SALES DEPARTMENT PHONE:(03)5434-0351 FAX:(03)5434-0353

NORTH AMERICA

CHICAGO

PHONE:(847)310-1111 FAX:(847)310-1182

NEW YORK

PHONE:(845)369-4035 FAX:(845)369-4909

ATLANTA

PHONE:(770)840-7990 FAX:(770)840-7897

LOS ANGELES

PHONE:(949)955-3145 FAX:(949)955-3149

SAN FRANCISCO

PHONE:(925)455-8948 FAX:(925)455-8965

BOSTON

PHONE:(781)575-1151 FAX:(781)575-9295

DETROIT

PHONE:(248)858-9330 FAX:(248)858-9455

TORONTO

PHONE:(905)820-7800 FAX:(905)820-7811

BRASIL (SÃO PAULO)

PHONE:(011)3767-0100 FAX:(011)3767-0101

EUROPE

DÜSSELDORF

PHONE:0049-(0)2102-7425-0 FAX:0049-(0)2102-7425-299

STUTTGART

PHONE:0049-(0)7150-9199-0 FAX:0049-(0)7150-9199-888

MÜNCHEN

PHONE:0049-(0)89-370616-0 FAX:0049-(0)89-370616-26

U.K.

PHONE:0044-(0)1908-303050 FAX:0044-(0)1908-303070

MILANO

PHONE:0039-039-2842079 FAX:0039-039-2842527

BOLOGNA

PHONE:0039-051-6412211 FAX:0039-051-6412230

SWEDEN

PHONE:0046-(0)8-4457630 FAX:0046-(0)8-4457639

AUSTRIA

PHONE:0043-(0)7229-51400 FAX:0043-(0)7229-51400-79

SPAIN

PHONE:0034-93-652-5740 FAX:0034-93-652-5746

THK FRANCE S. A. S.

PHONE:0033-(0)4-37491400 FAX:0033-(0)4-37491401

SOUTH AFRICA

PHONE:0027-(0)44-2720020 FAX:0027-(0)44-2720020

CHINA

THK (SHANGHAI) CO.,LTD.

PHONE:(21)6334-5131 FAX:(21)6334-5137

BEIJING

PHONE:(10)6590-3259 FAX:(10)6590-3557

THK SHOZAN CO.,LTD.

PHONE:2376-1091 FAX:2376-0749

TAIWAN

TAIPEI

PHONE:(02)2888-3818 FAX:(02)2888-3819

TAICHUNG

PHONE:(04)2359-1505 FAX:(04)2359-1506

SOUTHERN

PHONE:(06)289-7668 FAX:(06)289-7669

KOREA (SEOUL)

PHONE:(02)3468-4351 FAX:(02)3468-4353

MALAYSIA (KUALA LUMPUR)

PHONE:(03)9287-1137 FAX:(03)9287-8071

INDIA (BANGALORE)

PHONE:(080)2330-1524 FAX:(080)2330-1524

