

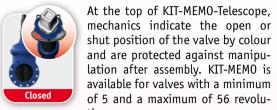
KIT-MEMO-Extensions Mechanical open/shut indicator



of any tools.

At the top of KIT-Extension, mechanics indicate the open or shut position of the valve by colour and are protected against manipulation after assembly. KIT-MEMO is available for valves with a minimum of 5 and a Open maximum of 56 revolutions.





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KiT-Telescope for service valves Telescopic spindle extension to operate tapping bridges

KIT-Standard-Telescopes, as well as KIT-Multi-Telescope, feature a detachable bell tube and a spring connection piece at the bottom end of the spindle extension. This system enables the use of a variety of coupling sockets of different shapes and nominal sizes, as well as a range of coupling and/or angle-modules. By use of dirt disks and adaptors the system is applicable to most valve designs.

City-Quality attributes Guarantee of great resilience and longevity

STI37 All pipes and rods of structural steel used in the construction of KIT-Telescopes, coupling modules and extensions are covered in molten zinc applied at a

temperature of 450°C which prevents premature corrosion. For valves with higher torque demands stainless steel material is used. The special geometry of all malleable cast iron components secure a reliable and durable torque transmission. PE, PP, PA and other plastic components are produced from virgin material. Each and every one of those attributes guarantee maximum resilience and longevity far beyond the minimum requirements demanded by law.

Kit-Coupling-Modules For extending the total length of all KIT-Telescopes



beyond their maximum length to fit every desired cover depth. There are three different coupling module sizes available which are combinable with each other by simply plugging them together. Tool-free. With this system even the most extreme construction situations can be overcome with ease. By keeping a

number of different coupling module sizes in stock the variety of telescopes can be reduced significantly, maximising your stock turnover rate and flexibility at the construction site. For quick disassembly, a dismantling tool can be provided. All KIT modules are then reusable.

□-Angle-Modules For lateral alignment of KIT-Telescopes in complicated construction situations



pipes or cables, centred positioning of a telescopic spindle extension may be hindered. KIT-Angle-Module allows for conrenient lateral alignment (s. ig.). A variety of operating heads allow direct operation, even without combination with a telescope for

Where valves were laid over by

Connection between KIT operating rods and valves of different design and

nominal sizes Each Kit-Coupling-Socket and connection piece is designed with a 25 mm square drive and 7 mm bore holes to match all KIT-Telescopes, KIT-Multi-Telescopes as well as all available KIT-Angle and KIT-Coupling modules. For convenient disassembly, a dismantling tool can be provided. All KIT modules are then reusable.



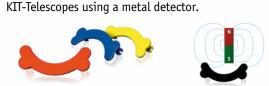
-Duplex-Sockets

Tool-free assembly and disassembly of KIT-Coupling-Sockets onto all square valve spindles up to DN 300 by simple plug-on mechanics.



Marking-Clip

Colourised clips to mark different carrier pipes. Also available in black and magnetic for easier ranging of



fixation clips

To centre and lock KIT-telescopes into position on carrier plates and in surface boxes.



KiT-Telescopes

Extension

for gate valves

KIT-Multi-Telescope

CD 0.60 - 1.00 m

CD 0.90 - 1.20 m

CD 1.00 - 1.50 m

CD 1.20 - 1.80 m

KIT-Multi-Telescope

CD 0.60 - 1.00 m

CD 0,90 - 1.20 m

CD 1.00 - 1.50 m

CD 1.20 - 1.80 m

KIT-Telescope

KIT-Telescope

KIT-Telescope

for service & gate valves Structural Steel Sales No.

for service & gate valves Stainless Steel Sales No.

KIT-Telescope

KIT-Telescope

KIT-Telescope

for service valves Structural Steel Sales No.

TL 0.37 - 0.76 m up to 140 Nm TSV 00 001

TL 0.59 - 0.93 m up to 140 Nm TSV 00 004

TL 0.74 - 1.23 m up to 140 Nm TSV 00 002

GL 0.89 – 1.52 m up to 140 Nm TSV 00 003

TL 0.37 - 0.76 m up to 280 Nm TSV 00 010

TL 0.59 - 0.93 m up to 280 Nm TSV 00 027

TL 0.74 - 1.23 m up to 280 Nm TSV 00 011

TL 0.89 - 1.52 m up to 280 Nm TSV 00 012

up to 500 Nm TSE 00 111

up to 500 Nm TSE 00 110

up to 500 Nm TSE 00 109

up to 750 Nm TSE 00 187

up to 750 Nm TSE 00 186

up to 750 Nm TSE 00 185

for service valves Stainless Steel

500 mm

300 mm

500 mm

Extension

Extension

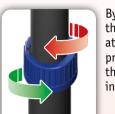
300 mm

500 mm

-Marking-Flag orange reflective flag

Prevent the telescopes from being accidentally run over by construction vehicles and ease localisation of KIT-Telescopes during construction of roads and pavements before completion.

Kit-Locking ring Securely fasten KIT telescopes at any extension



By turning the locking ring 180° the KIT-Telescope can be secured at every desired length. This also prevents an unintentional drop of the telescopic spindle extension in an unsecured state.

Telescope for gate valves Telescopic spindle extension to operate heavy gate valves, butterfly valves and ball valves

KIT-Standard-Telescopes, as well as KIT-Multi-Telescope, feature a detachable bell tube and a spring connection piece at the bottom end of the spindle extension. This system allows the use of a variety of coupling sockets of different shapes and nominal sizes, as well as a range of coupling and/or anglemodules. By use of dirt disks and adaptors the system is applicable to most valve designs.

T-Multi-Telescope for service valves & gate valves Telescopic spindle extension for extremely shallow cover depths

In their shortest position KIT-Multi-Telescopes may be applied to shallow cover depths of about 60cm. However by using a 3-piece spindle and a 4-piece protective tube it can be extended to cover depths of 1m and longer, depending on valve design. The universal bell tube that is included with each KIT-Telescope as well as each KIT-Multi-Telescope allows easy application of a wide range of dirt



T-Flex-Angle-Modules

tuational requirements.

of KIT-Telescopes Where a valve is located on a slope or laid at an angle, perpendicular positioning of a telescopic spindle extension may be hindered. KIT-Flex-Angle overcomes this problem by enabling axial alignment to balance skew positioning by up to 40°.

For axial alignment

Kit-Dirt disks and bell tube adaptors Valve specific 100% dirt tight fit

Dirt disks and adaptors match the valve in an ideal way and additionally stabilise the spindle extension. Both are assembled with ease by simply locking them onto the KIT universal bell tube.



-Universal-Dirt-Disks

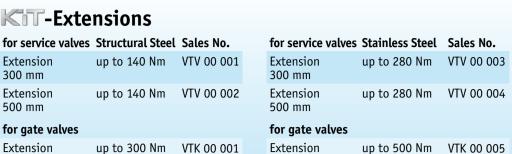
Due to NBR vulcanised steel inlays KIT-Univeral-Dirt-Disks match a wide range of valve types perfectly. **Model A:** Fit to the outline of the valve. Model B: Fit to the diameter of the spindle.



TELESCOPIC-SPINDLE-SYSTEM



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		וווווו טטכ		
		for gate valves		
up to 300 Nm	VTK 00 001	Extension 300 mm	up to 500 Nm	VTK 00 005
up to 300 Nm	VTK 00 002	Extension 500 mm	up to 500 Nm	VTK 00 006
		וווווו טטכ		
netal operating e	lement, short		metal operating e	lement, short
netal operating e up to 300 Nm	lement, short VTK 00 025		metal operating e	lement, short VTK 00 026



	KIT-MEMO-Extensions		
	Extension	Structural Steel	Sales No.
	for service valves 300 mm	bis 140 Nm	VTV 00 008
808	for gate valves	up to 300 Nm	VTK 00 029
8	for service valves 500 mm	bis 140 Nm	VTV 00 010
	for gate valves	up to 300 Nm	VTK 00 030
Open	Extension	Stainless Steel	

for gate valves Structural Steel Sales No.

TL 0.47 - 0.72 m up to 300 Nm TSK 00 010

TL 0.62 - 1.03 m up to 300 Nm TSK 00 009

TL 0.42 - 0.80 m up to 500 Nm TSK 00 008

TL 0.47 - 0.72 m up to 500 Nm TSK 00 020

TL 0.62 - 1.03 m up to 500 Nm TSK 00 021

TL 0.77 - 1.32 m up to 500 Nm TSK 00 150

large, H 750 mm / R 340 mm 300 Nm up to DN 150 TSE 00 180

medium, H 630 mm / R 220 mm 300 Nm up to DN 150 TSE 00 181

small, H 515 mm / R 110 mm 300 Nm up to DN 150 TSE 00 179

large, H 750 mm / R 340 mm 300 Nm up to DN 150 TSE 00 207

medium, H 630 mm / R 220 mm 300 Nm up to DN 150 TSE 00 206

small. H 515 mm / R 110 mm 300 Nm up to DN 150 TSE 00 205

CD 0.90 - 1.20 m DN 40/150

CD 1.00 - 1.50 m DN 40/150

TL 0.77 - 1.32 m bis 300 Nm

for gate valves Stainless Steel

CD 0.60 - 1.00 m DN 40/150

CD 0.95 - 1,20 m DN 175/300

CD 0.90 - 1.20 m DN 40/150

CD 1.05 - 1.40 m DN 175/300

CD 1.00 - 1.50 m DN 40/150

CD 1.25 - 1.80 m DN 175/300

CD 1.20 - 1.80 m DN 40/150

CD 1.35 - 2.00 m DN 175/300

CD 1.20 - 1.80 m DN 40/150

KIT-Telescope

KIT-Telescope

KIT-Multi-Telescope

KIT-Telescope

KIT-Telescope

KIT-Telescope

PLEASE BE ADVISED! All KIT-Telescopes are available with cast metal or

KT-Angle-Modules

Model B - screw adaptor and

ATTENTION! Depending on the increase in turning resistance of the valve, an increase in specific

KIT bell tube

actuating torque up to 100 Nm may occur when using a KIT-Angle-Module.

Model A – Dirt disk and fix bell Stainless Steel

GFRP operating elements.

for gate valves	up to 300 Nm	VIK 00 030
Extension	Stainless Steel	
for service valves 300 mm	bis 280 Nm	VTV 00 009
for gate valves	up to 500 Nm	VTK 00 031
for service	bis 280 Nm	VTV 00 011
valves 500 mm for gate valves	up to 500 Nm	VTK 00 032

TSK 00 018



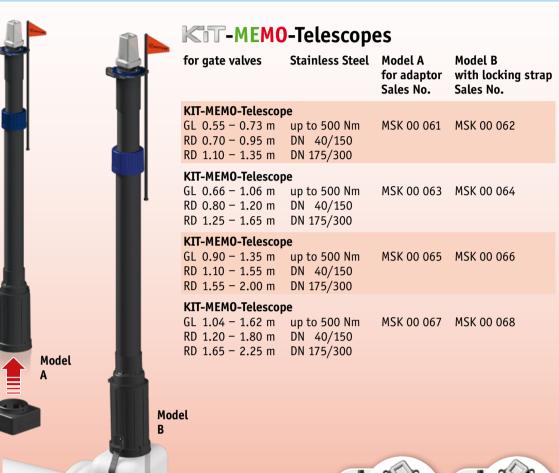
Sales No.
for gate valves Sales No.
KIT-Dri
Sales No. E
K □ Fix
Sales No. F

KiT-Marking-Clip for service valves Magnetic Blue Yellow Red TSE 00 155 TSE 00 017 TSE 00 018 TSE 00 019 Magnetic Blue Yellow Red TSE 00 154 TSE 00 021 TSE 00 022 TSE 00 023

rive plates for service valves KOS DN 40-150 KOS DN 175-450 EKE 00 157 EKE 00 163 EKE 00 158

xation clips

EKE 01 039 EKE 01 038 Sales No.









Kit-Disassembly-



	Sales No.	
PA black	TSE 00 025	
Stainless steel	TSE 00 225	

101.		•	
VAG	Beta	Bell Tube Adapto	or
		Sa	ales No





220 mm (e.g. swivel plate valve) = High tapping bridge built (e.g. tapping valve) KIT-Telescopes for service valves CD 0.80 - 1.1 m KIT-Telescopes for gate valves CD 0.90 - 1.20 m with coupling-module

110 mr

KIT-Telescopes for service valves CD 1.0 - 1.5 m

with coupling-module

220 mm

(e.g. swivel plate valve)

= High tapping bridge built (e.g. tapping valve)

with angle-module

220 mm

medium

CD = High tapping bridge built (e.g. tapping valve)

= Low tapping bridge built

= High tapping bridge built

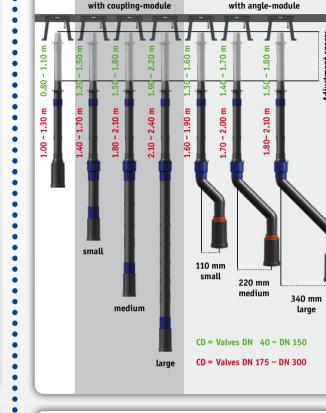
KIT-Telescopes for service valves CD 1.2 - 1.8 m

1/1/1/1/1/1/1/1/1/

340 mm

KIT-Multi-Telescopes for service valves CD 0.60 - 1.00 m

with coupling-module with angle-module



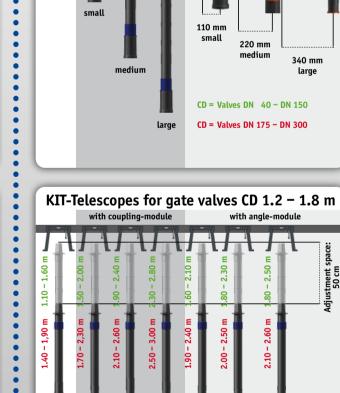
KIT-Multi-Telescopes for gate valves CD 0.70 - 1.10 m

CD = Valves DN 40 - DN 150

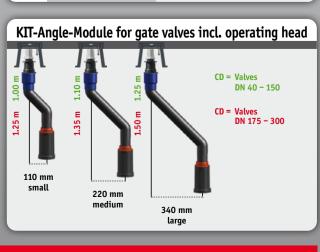
large CD = Valves DN 175 - DN 300

with coupling-module with angle-module

KIT-Telescopes for gate valves CD 1.0 - 1.5 m D = Valves DN 40 - DN 150 large CD = Valves DN 175 - DN 300







ATTENTION! All cover depths (CD) are approx. dimensions and depend on the built of the valve. This means they can vary up to 20 cm within nominal sizes. Assembly instructions can be found at: www.kettlerweb.de

	tool-free	External square, conical	Sales No.
\downarrow	for service valves	□ = 12.3 mm	TSE 00 250
	DN 40/50	□ = 14.3 mm	TSE 00 251
	DN 65/80	□ = 17.3 mm	TSE 00 252
	DN 100/150	□ = 19.3 mm	TSE 00 253
33	DN 175/200	□ = 24.3 mm	TSE 00 254
	DN 250/300	□ = 27.3 mm	TSE 00 255

-Universal-Dirt-Disks A

-Universal-Dirt-Disks B

ping Valve **Plasson:** Plass 360 VAG Pressure Tapping Valve

Coupling-Modules

large, TL 1.10 m

small, TL 0.36 m

large, TL 1.10 m

small, TL 0.36 m

CTT-Duplex-Sockets

medium, TL 0.73 m

No.	-	with bolt	External square, conical	Sales N
00 250	-	for service valves	□ = 12.3 mm	TSE 00
00 251	-	DN 40/50	□ = 14.3 mm	TSE 00
00 252		DN 65/80	□ = 17.3 mm	TSE 00
00 253		DN 100/150	□ = 19.3 mm	TSE 00
00 254		DN 175/200	□ = 24.3 mm	TSE 00
0 255		DN 250/300	□ = 27.3 mm	TSE 00

VAS | AVK: Mittelmann Tapping Saddle EWE: Ball Valve Tapping Fitting, Valve Tapping Fitting, Kera Tapping

Fitting FOMM: FD410V, FD413V, SG1.3, SG1.1, SG2.3, SG2.1, SP4.2, SP4.3, SP 4.5, SK5.2, SH6.2 HAWLE: Service

Valves, Hawlinger, HAKU **Keulahütte GmbH:** KH210GR, KH220GR, KH221GR, KH230GR, KH310, KH310F, KH321,

KH321F RC Mannesmann (Manibs): Screw Angle Valve (110, 113, 130, 310, 313, 410, 413, 430) Rehbein: Reni-

krust Valve Top type RV, RVK, MV Talis-Schmieding: Z,ZK, ZK-P, ZG, ZG-P, Z-Flex, Z-Flex-P VAG: Terra-K, Terra-M

VAS | AGRU-FRANK: Pressure Tapping Valve Beulco: Gate Valve Model 8010, 8020, 8030, 8040, 8350, 8111,

8121, 8141, 8012 **Düker:** Type 1004, 04.09, TOP1014, Friatec DN 110, Frialen Pressure Tapping Valve 90-225,

Pressure Tapping Valve, Friatec 63/40, Frialen Pressure Tapping Valve D50-75 Georg Fischer: GF-Pressure Tap-

KOS DN 40 - DN 150 | AVK Mittelmann: Series 01, 02, 06, 12, 20, 32, 33, 36 Düker: Type 2004, 3004, 4004

HAWLE: E2 Keulahütte GmbH: Keula-Valve softsealing Talis-Erhard: Multamed Premium VAG: Beta 200, Beta

300 **von Roll hydro:** AWP 5007, 5021, 5329, 5228, 5272, 5050, 5054, 5455, 5299, 5460, 5462, 5417, 5420, 5327

ATTENTION! This list does not claim to be definitive. Before use, accuracy of fit of dirt disk and valve should

Voigt: Model 05.01, 05.02 von Roll hydro: AWP, all without screw thread top Talis Erhard: ABSP Premium

Cir-Coupling-Sockets

. •		
with bolt	External square, conical	Sales No.
for service valves	□ = 12.3 mm	TSE 00 008
DN 40/50	□ = 14.3 mm	TSE 00 009
DN 65/80	□ = 17.3 mm	TSE 00 010
DN 100/150	□ = 19.3 mm	TSE 00 011
DN 175/200	□ = 24.3 mm	TSE 00 012
DN 250/300	□ = 27.3 mm	TSE 00 037

Sales No. EKE 01 000

Sales No. EKE 01 002

with notch, Sales No. for drive shaft
16 mm KPM 00 066
18 mm KPM 00 244
20 mm KPM 00 287
22 mm KPM 00 246
25 mm KPM 00 245
30 mm KPM 00 344
16 mm KPM 00 0 18 mm KPM 00 2 20 mm KPM 00 2 22 mm KPM 00 2 25 mm KPM 00 2



AWP Screw Ring for service

Friatec Pressure Tapping

& gate valves

Erhard DSV Disk

Sales No. EKE 01 077

Valve Disk

for service valves 90-225

Sales No. EKE 01 102

Sales No. EKE 01 075

KIT-Butterfly-Casting KIT-Ball-Valve-Socket











Friatec Ball Valve Adaptor				
D 109 mm	Unlocked	Sales No.		
DA 40/50	W 60 H 35	EKE 00 155		
DA 63/200	W 16 H 5	EKE 00 156		

▲ KiT-Angle-Operating-Heads

for service valves

For final assembl

for service valves

for gate valves

ł 140 mm

H 130 mm

for gate valves

For testing functionality Stainless Steel Sales No.

without spring TSE 00 236

without spring TSE 00 331

Stainless Steel Sales No.

up to 750 Nm TSE 00 193

up to 750 Nm TSE 00 330

for use in cathodic TSE 00 279

connection piece

connection piece

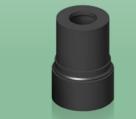
Galvanic Isolator

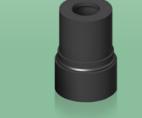
(installation

height 80 mm)

corrosion protection





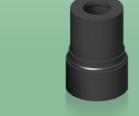












Sales No.

with foam seal

DN 40/50 EKE 00 110 DN 65/80 EKE 00 111 EKE 00 113 EKE 00 114

small 220 mm

KIT-Angle-Module for service valves incl. operating head **Universal Bell Tube Adaptor**