

COUPLING SET HOUSE CONNECTION (SPINDLE SQUARE: 12MM)

MATERIAL: HYBRID ZINC/PLASTIC

For extension spindles with rod square 25mm

Art.-No.: 4VKM12K25Z.5HY.VMS3

weight: 305g/pie.

dimensions: 6,0cm x 6,5cm x 8,5cm (LxWxH)

Packing unit (pu): 10 pieces per box

weight: 3,05kg/pu

dimensions: 30,5cm x 13,5cm x 9,0cm (LxWxH)



Details

Coupling set consisting of the components:

1x coupling sleeve

- hybrid zinc/plastic
- Delta Protect coated
- for extension spindles with rod square 25mm
- for house connection gate valves with conical spindle square 12mm
- packed in a plastic bag with label



Art.-No.: 4VKM12K25Z.5HY.000
weight: 275g

2x spring clip pin (scp)

- stainless steel spring clip
- stainless steel locking pin

1x scp extension spindl. - linkage-side **Art.-No.: 3VKST4853.3055.A2**
weight: 15g



1x scp gate valves - spindle-sided **Art.-No.: 3VKST3842.2546.A2**
weight: 15g



Subject to change without notice.

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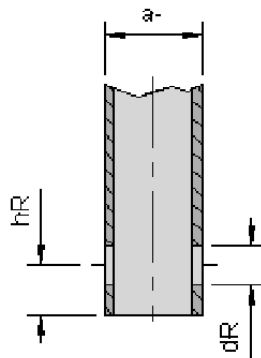
House connecting gate valves (HCG) tapping valves

House connection slider ≤ DN 50
ball valve ≤ DN 50

Dimensional specifications from :

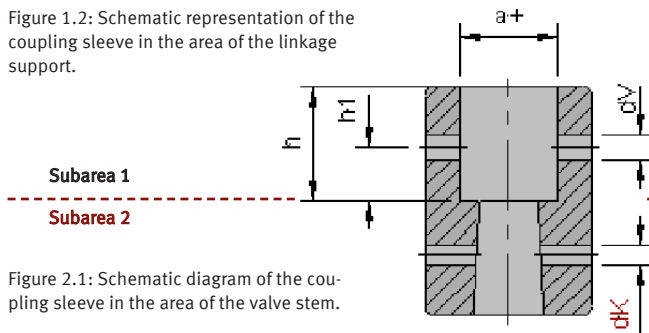
Technical rule **Worksheet DVGW GW 336-1 (A)** / September 2010. Extension Spindles - Part 1: Standardisation of interfaces between buried gate valve and extension spindles.

Figure 1.1: Schematic diagram of the outer square of the ES in the area of coupling receptacle.



| External square of the installation set (rod square end of ES) | | | |
|--|-------------------|-----------------|-----------------|
| measure | nominal dimension | lower tolerance | upper tolerance |
| external square (a-) | 25 mm | -0,3 | +0,7 |
| bore position (hR) | 10 mm | -0,2 | +0,2 |
| bore diameter (dR) | 8 mm | 0 | +1,0 |

Figure 1.2: Schematic representation of the coupling sleeve in the area of the linkage support.



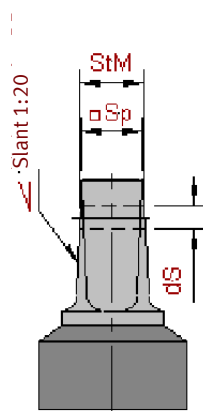
| Inner square of coupling sleeve/gate valve | | | |
|--|-------------------|-----------------|-----------------|
| measure | nominal dimension | lower tolerance | upper tolerance |
| inside square (a+) | 25mm | +0,8 | +1,8 |
| bore position (h ₁) | 11 mm | -0,2 | +0,2 |
| bore diameter (d _v) | 5 mm | 0 | +0,2 |
| Insertion depth for operating rods (h) | 20 mm | minimum-measure | |

Figure 2.1: Schematic diagram of the coupling sleeve in the area of the valve stem.

Measure specifications:

Technical test basis **DVGW GW 336 (P)** / Oktober 2013. Water shut-off valves; requirements and tests.

Figure 2.2: Schematic diagram of the valve stem in the area of the coupling receptacle.



| Joint between tapping valve and coupling sleeve (from the conical valve spindle □ to the conical inside □ of the coupling sleeve) | |
|---|---------|
| construction | measure |
| spindle square (Sp □) | 12,0 mm |
| inside micrometer (StM) | 13,1 mm |
| bore coupling sleeve (d _K) | 4,0 mm |
| bore spindle (d _S) | 5,0 mm |

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