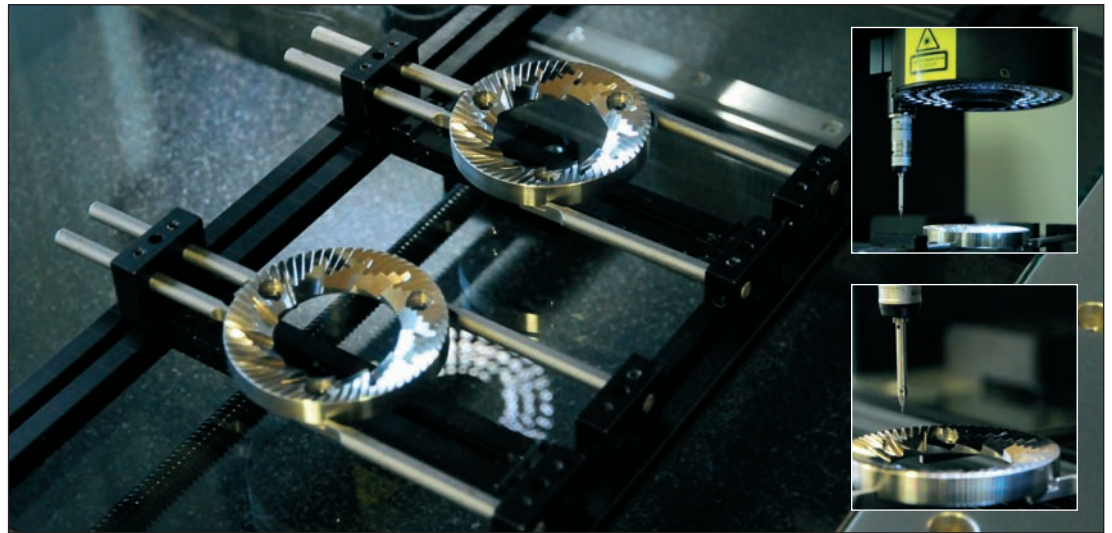


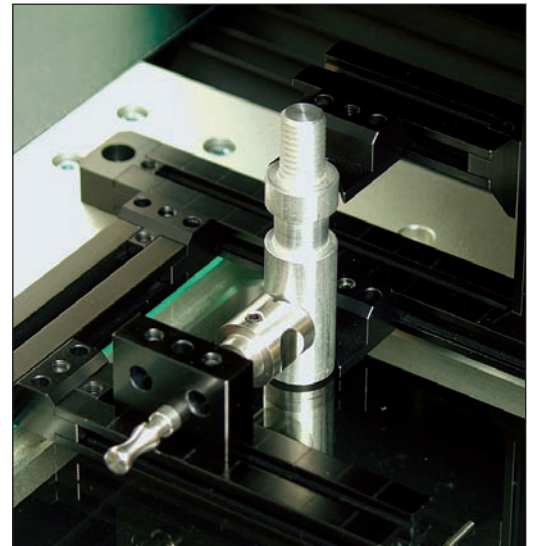
## DF-System



DF-System is a new fixture system developed and produced by Schut and designed for building 3D product fixtures, particularly for optical measurements.

Solid product positioning is essential for accurate measurements. DF-System is very easy to mount with single-screw couplings to build fixtures with a high repeatability and to realize a short lead-time for measuring jobs.

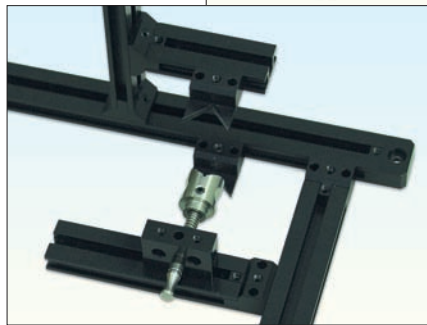
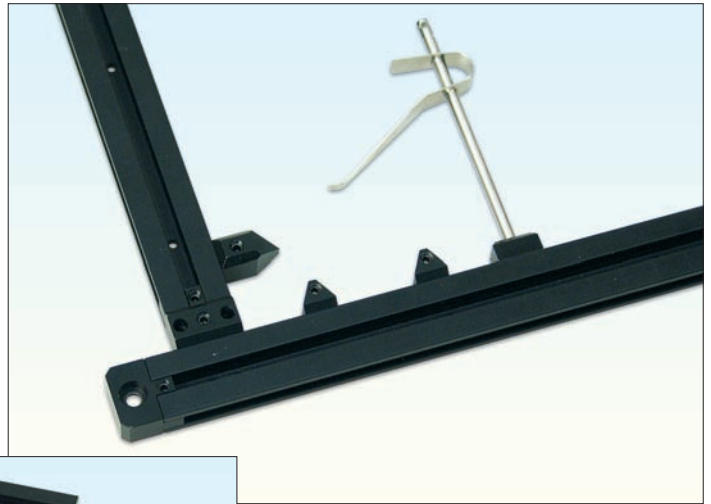
DF-System consists of a full range of fixture components: bars, connection components and fixing components. Produced from extruded or machined AlMgSi1 aluminum with either a black or silver anodized finishing. The black anodized version avoids light reflections. The silver components can be applied when light reflections from the fixture are required.



The DF-System is a universal fixture system and can be mounted on any type of measuring machine. With special couplings the system is fully compatible with the measuring table of the DeMeet Video and Multi-sensor coordinate measuring machines.

# Basic sets for DeMeet measuring machines

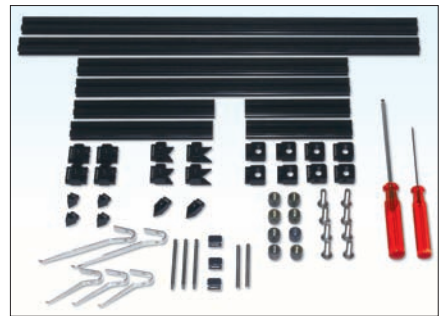
DF-System is available in separate components and in three basic sets, in black or silver finishing. Basic set I is composed for the DeMeet-220, basic set II for the DeMeet-400 (Y-axis) and basic set III for the DeMeet-400 (X-axis) and the DeMeet-404/443 (X- and Y-axis).



**Item no. Description**  
991.276 Torque hex screwdriver 2 mm with variable torque range (0.1 - 0.6 Nm) and scale



**Item no. Description**  
991.158 Hex screwdriver 2 mm  
991.160 Hex screwdriver 3 mm  
991.161 Hex screwdriver 4 mm



717.057 Basic set I DeMeet-220 Black  
717.088 Basic set I DeMeet-220 Silver

717.095 Basic set II DeMeet-400Y Black  
717.096 Basic set II DeMeet-400Y Silver

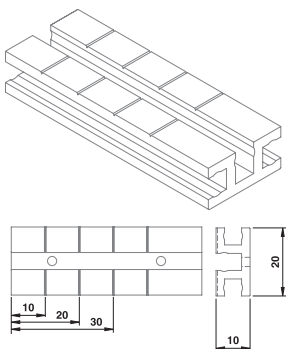
717.058 Basic set III DeMeet-400X/4xxXY Black  
717.089 Basic set III DeMeet-400X/4xxXY Silver

Item no.	Black	Silver	Pcs.	Description
717.029	717.073	8	Mounting block perpendicular	
717.030	717.074	4	One point anvil	
717.031	717.075	2	One point anvil long	
717.036	717.077	3	Mounting block spring shaft	
717.040	717.081	2	V-block 120°	
717.042	717.083	2	V-block 90°	
717.033	717.043	4	Mounting block side pattern 16	
717.028	717.072	4	Mounting block end pattern 16	
717.015	717.059	2	Bar 56 mm	
717.017	717.061	2	Bar 120 mm	
717.022	717.066	2	Bar 246 mm	
717.044	4	Screw and adapter pattern 16		
380.301	8	Distance tube with stop pattern 16		
993.539	8	Screw M4x20 DIN 912 Inox A4		
717.000	3	Shaft 60 mm for clamping spring		
717.004	2	Shaft 50 mm for clamping spring		
717.010	3	Clamping spring short		
717.011	2	Clamping spring long		
991.158	1	Hex screwdriver 2 mm		
991.160	1	Hex screwdriver 3 mm		
717.008	1	Screw mounting tool		
851.888	1	Case DF-System DM-220/400Y		

Item no.	Black	Silver	Pcs.	Description
717.029	717.073	8	Mounting block perpendicular	
717.030	717.074	4	One point anvil	
717.031	717.075	2	One point anvil long	
717.036	717.077	3	Mounting block spring shaft	
717.040	717.081	2	V-block 120°	
717.042	717.083	2	V-block 90°	
717.033	717.043	4	Mounting block side pattern 16	
717.028	717.072	4	Mounting block end pattern 16	
717.016	717.060	2	Bar 88 mm	
717.024	717.068	2	Bar 310 mm	
717.026	717.070	2	Bar 344 mm	
717.044	4	Screw and adapter pattern 16		
380.301	8	Distance tube with stop pattern 16		
993.539	8	Screw M4x20 DIN 912 Inox A4		
717.000	3	Shaft 60 mm for clamping spring		
717.004	2	Shaft 50 mm for clamping spring		
717.010	3	Clamping spring short		
717.011	2	Clamping spring long		
991.158	1	Hex screwdriver 2 mm		
991.160	1	Hex screwdriver 3 mm		
717.008	1	Screw mounting tool		
851.888	1	Case DF-System DM-220/400Y		

Item no.	Black	Silver	Pcs.	Description
717.029	717.073	8	Mounting block perpendicular	
717.030	717.074	4	One point anvil	
717.031	717.075	2	One point anvil long	
717.036	717.077	3	Mounting block spring shaft	
717.040	717.081	2	V-block 120°	
717.042	717.083	2	V-block 90°	
717.034	717.050	4	Mounting block side pattern 25	
717.035	717.056	4	Mounting block end pattern 25	
717.097	717.098	2	Bar 110 mm	
717.018	717.062	2	Bar 160 mm	
717.024	717.068	2	Bar 310 mm	
717.025	717.069	2	Bar 460 mm	
380.304	8	Distance tube with stop pattern 25		
995.087	8	Screw M6x25 DIN 7991 Inox A4		
717.000	3	Shaft 60 mm for clamping spring		
717.004	2	Shaft 50 mm for clamping spring		
717.010	3	Clamping spring short		
717.011	2	Clamping spring long		
991.158	1	Hex screwdriver 2 mm		
991.161	1	Hex screwdriver 4 mm		
851.899	1	Case DF-System DM-400X/4xxXY		

## Bars



Item no.	Description
717.015	Bar 56 mm Black
717.016	Bar 88 mm Black
717.097	Bar 110 mm Black
717.017	Bar 120 mm Black
717.027	Bar 152 mm Black
717.018	Bar 160 mm Black
717.019	Bar 184 mm Black
717.020	Bar 210 mm Black
717.021	Bar 216 mm Black
717.022	Bar 246 mm Black
717.023	Bar 260 mm Black
717.024	Bar 310 mm Black
717.026	Bar 344 mm Black
717.025	Bar 460 mm Black

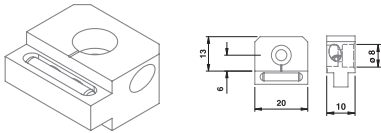
Item no.	Description
717.059	Bar 56 mm Silver
717.060	Bar 88 mm Silver
717.098	Bar 110 mm Silver
717.061	Bar 120 mm Silver
717.071	Bar 152 mm Silver
717.062	Bar 160 mm Silver
717.063	Bar 184 mm Silver
717.064	Bar 210 mm Silver
717.065	Bar 216 mm Silver
717.066	Bar 246 mm Silver
717.067	Bar 260 mm Silver
717.068	Bar 310 mm Silver
717.070	Bar 344 mm Silver
717.069	Bar 460 mm Silver

Item no.	Description
717.044	Screw and adapter pattern 16

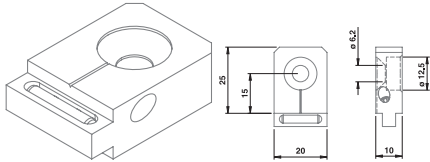
Item no.	Description
717.008	Screw mounting tool

# Connection components

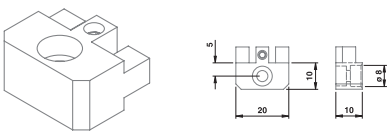
**Item no. Description**  
 717.033 Mounting block side pattern 16 Black  
 717.043 Mounting block side pattern 16 Silver



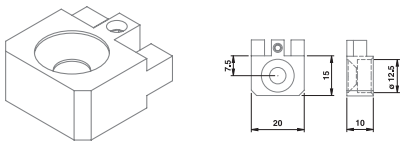
**Item no. Description**  
 717.034 Mounting block side pattern 25 Black  
 717.050 Mounting block side pattern 25 Silver



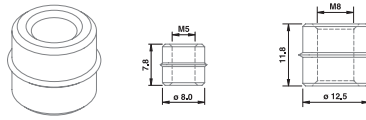
**Item no. Description**  
 717.028 Mounting block end pattern 16 Black  
 717.072 Mounting block end pattern 16 Silver



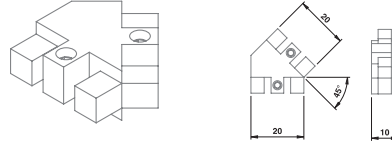
**Item no. Description**  
 717.035 Mounting block end pattern 25 Black  
 717.056 Mounting block end pattern 25 Silver



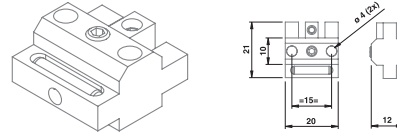
**Item no. Description**  
 380.301 Distance tube with stop pattern 16  
 380.304 Distance tube with stop pattern 25



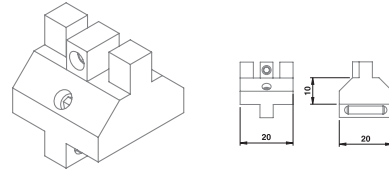
**Item no. Description**  
 717.032 Mounting block 45° Black  
 717.076 Mounting block 45° Silver



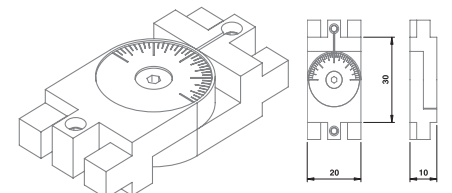
**Item no. Description**  
 717.029 Mounting block perpendicular Black  
 717.073 Mounting block perpendicular Silver



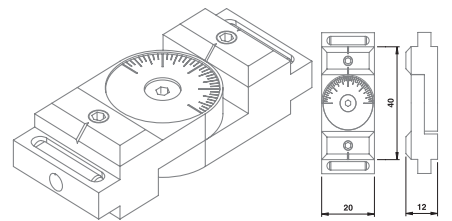
**Item no. Description**  
 717.039 Mounting block V perpendicular Black  
 717.080 Mounting block V perpendicular Silver



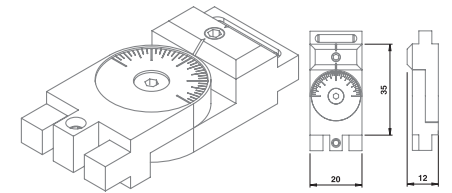
**Item no. Description**  
 717.047 Hinge end Black  
 717.085 Hinge end Silver



**Item no. Description**  
 717.048 Hinge side Black  
 717.086 Hinge side Silver

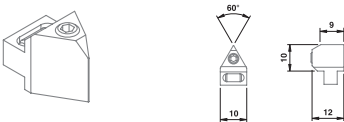


**Item no. Description**  
 717.049 Hinge combi Black  
 717.087 Hinge combi Silver

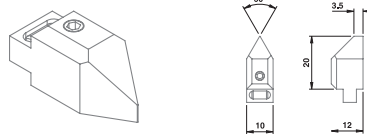


# Positioning components

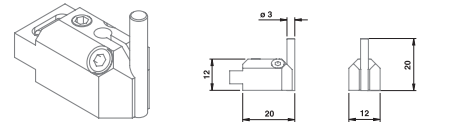
**Item no. Description**  
 717.030 One point anvil Black  
 717.074 One point anvil Silver



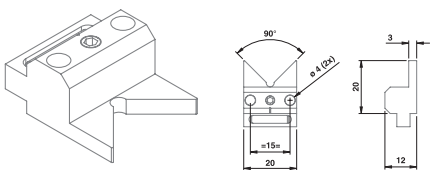
**Item no. Description**  
 717.031 One point anvil long Black  
 717.075 One point anvil long Silver



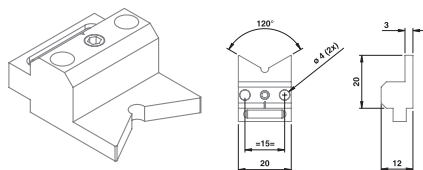
**Item no. Description**  
 717.099 Anvil with shaft ø3 Black  
 717.100 Anvil with shaft ø3 Silver



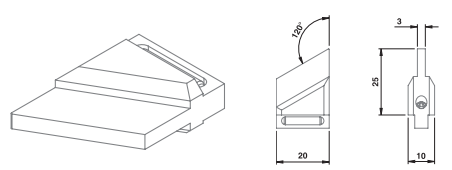
**Item no. Description**  
 717.042 V-block 90° Black  
 717.083 V-block 90° Silver



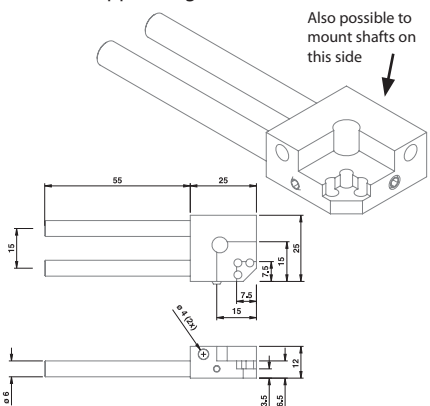
**Item no. Description**  
 717.040 V-block 120° Black  
 717.081 V-block 120° Silver



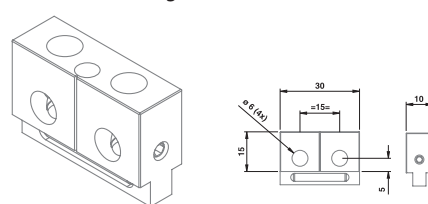
**Item no. Description**  
 717.041 V-block half 120° Black  
 717.082 V-block half 120° Silver



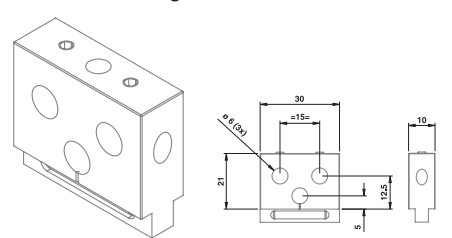
**Item no. Description**  
 717.045 Support edge Black  
 717.084 Support edge Silver



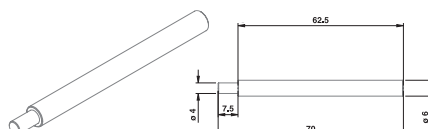
**Item no. Description**  
 717.037 Mounting block for 2 shafts Black  
 717.078 Mounting block for 2 shafts Silver



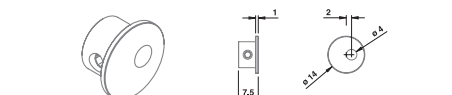
**Item no. Description**  
 717.038 Mounting block for 3 shafts Black  
 717.079 Mounting block for 3 shafts Silver



**Item no. Description**  
 717.002 Shaft ø6/ø4 l=70 mm



**Item no. Description**  
 717.046 Eccentric support disc ø14

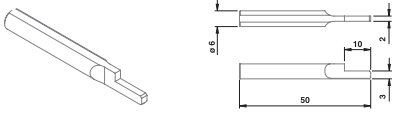




# Positioning components

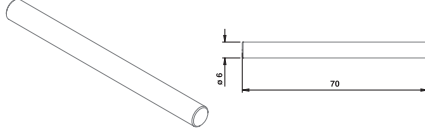
**Item no. Description**

717.007 Support shaft 2x10 mm



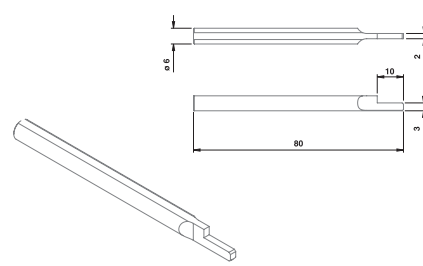
**Item no. Description**

717.003 Shaft  $\phi 6$  l=70 mm



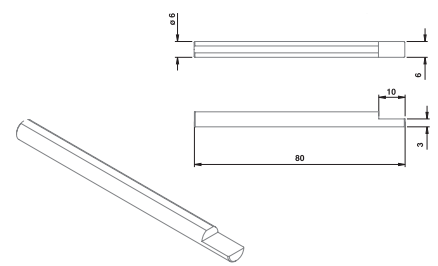
**Item no. Description**

717.005 Support shaft 2x10 mm



**Item no. Description**

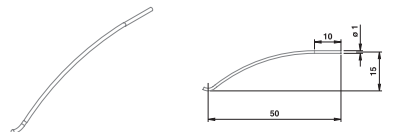
717.006 Support shaft 6x10 mm



# Fixing components

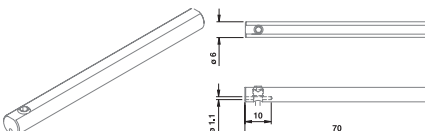
**Item no. Description**

717.014 Clamping spring bended 50 mm



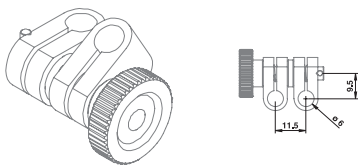
**Item no. Description**

717.051 Holder clamping spring



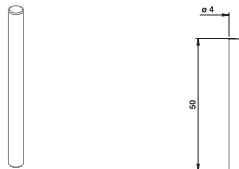
**Item no. Description**

717.101 Clamp  $\phi 6$



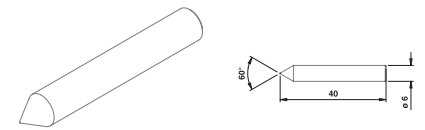
**Item no. Description**

717.004 Shaft 50 mm for clamping spring



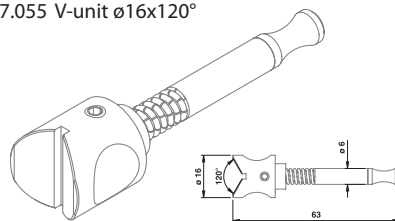
**Item no. Description**

717.009 Center shaft  $\phi 6$  60°



**Item no. Description**

717.055 V-unit  $\phi 16 \times 120^\circ$



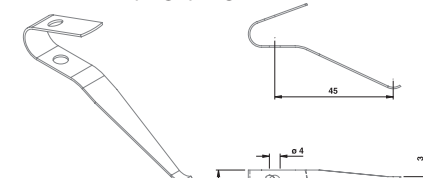
**Item no. Description**

717.012 Clamping spring straight 50 mm



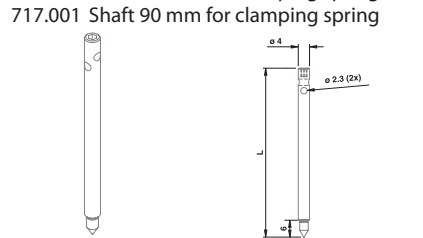
**Item no. Description**

717.010 Clamping spring short

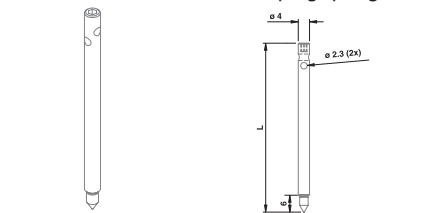


**Item no. Description**

717.000 Shaft 60 mm for clamping spring



717.001 Shaft 90 mm for clamping spring



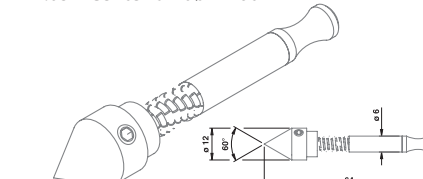
**Item no. Description**

717.052 Center point  $\phi 12 \times 60^\circ$



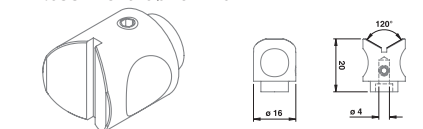
**Item no. Description**

717.054 Center-unit  $\phi 12 \times 60^\circ$



**Item no. Description**

717.053 V-shaft  $\phi 16 \times 120^\circ$



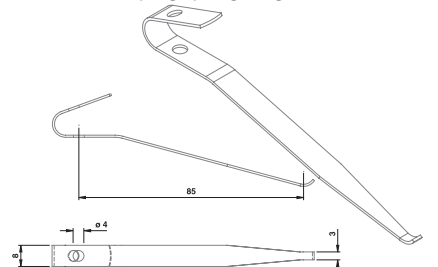
**Item no. Description**

717.013 Clamping spring bended 30 mm



**Item no. Description**

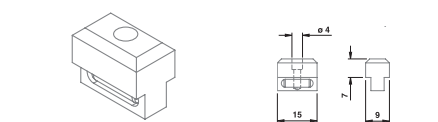
717.011 Clamping spring long



**Item no. Description**

717.036 Mounting block spring shaft Black

717.077 Mounting block spring shaft Silver

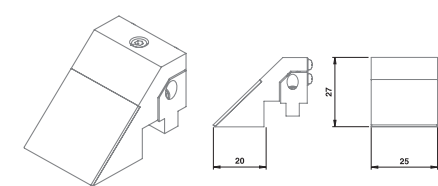


# Mirrors

**Item no. Description**

717.091 Mirror 45° 25x25 mm Black

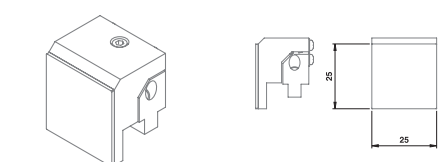
717.092 Mirror 45° 25x25 mm Silver



**Item no. Description**

717.093 Mirror 90° 25x25 mm Black

717.094 Mirror 90° 25x25 mm Silver



\*Special components and modifications are available on request.



ISO 9001

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