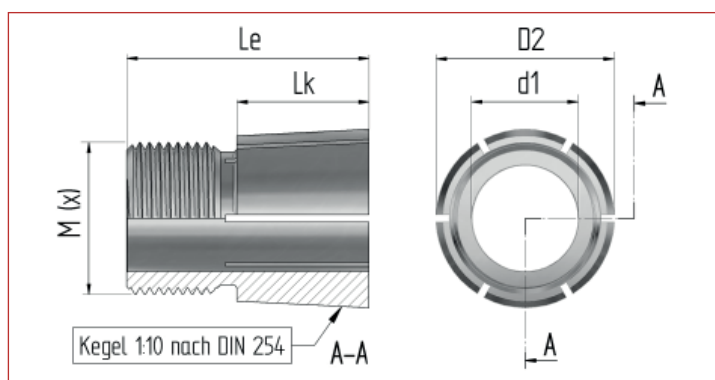


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BOQA® Fastening Elements product group 1130 for shaft diameter = 6.00 mm

Technical Data (general)

Material	Preferably stainless steel 1.4104 (X12CrMoS17) or 1.4305 (X10CrNiS18 9) according to DIN 17 440 (other suitable materials upon request)
Cocentricity	Concentricity tolerance approx. 0,01 mm
Surface quality	Ra = 3,2 µm (shaft) Ra = 1,6 µm (taper)
Seat (bore)	d1 = H7 (at the unslotted part)



Technical Data (individual)

Fastening Element BOQA® Article-No.:	11130k	11130k-ISK	11130	11130-ISK	10132	10132-ISK
for shaft diameters (d1)	6,00	6,00	6,00	6,00	6,00	6,00
Hub width (B) max.	8,00	8,00	10,00	10,00	12,00	12,00
Taper diameter front (D2)	11,30	11,30	11,30	11,30	11,30	11,30
Taper length (L _k)	5,40	5,40	6,50	6,50	7,70	7,70
Counter bearing, length	-	-	-	-	-	-
Counter bearing, diameter	-	-	-	-	-	-
Bore depth for shaft journal	-	-	-	-	-	-
Overall length (L _e)	12,00	12,00	14,00	14,00	16,00	16,00
Taper ratio (C)	C=1:x	1:10	1:10	1:10	1:10	1:10
Taper angle (α)	5,725	5,725	5,725	5,725	5,725	5,725
Thread (metric DIN)	M (x)	M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 1,0	M10 x 1,0
Hex socket key width (SW)	-	6 mm	-	6 mm	-	6 mm

Fastening Nut (standard similar to DIN 439 or DIN 936, galvanised steel / stainless steel for an additional charge)

Thread (metric DIN)	M (x)	M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 1,0	M10 x 1,0
Key width (SW)	mm	13	13	13	13	13	13
Nut height (m)	mm	3,50	3,50	3,50	3,50	3,50	3,50
Recommended tightening torque ¹⁾ Nm		13,00	13,00	14,00	14,00	15,00	15,00

Transmission Values ²⁾

Torque (M)	Nm	7,80	7,80	8,40	8,40	9,00	9,00
Thrust (F _e)	kN	0,94	0,94	1,02	1,02	1,10	1,10
Hub load (pF)	N/mm ²	73,30	73,30	68,05	68,05	62,23	62,23

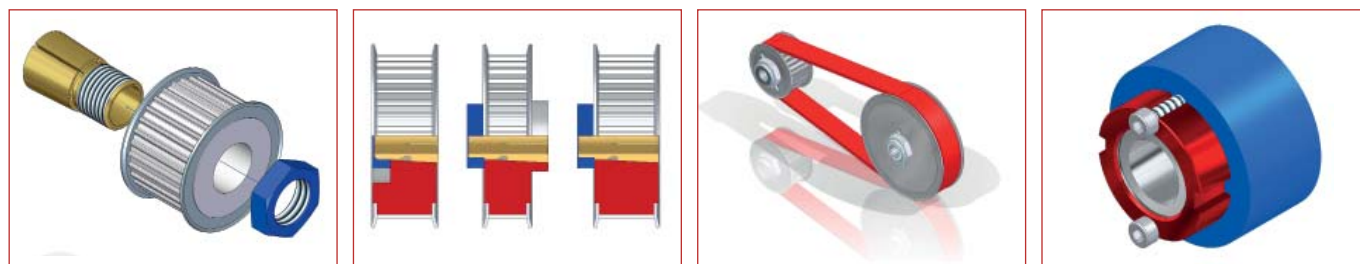
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- The table values for the individual performance statistics are derived from the standard combination of steel shaft and aluminium hub (e.g., belt pulley) and therefore take the lower yield strength (Re) of the hub material into account. Values for the permissible surface pressure are based upon estimated for increasing loads. All stated values are approximate reference values. Actual performance data are determined by factors not within our control, such as shaft/hub material properties, surface quality of the shaft and bore inside the hub, permitted manufacturing tolerances, hub length, the actual tightening torque of the BOQA® fastening element fastening nut, etc..

BOQA® fastening elements are available in various lengths based on commercially available belt pulley widths and customised designs.



Article-No.:	11130k	11130k-ISK	11130	11130-ISK	10132	10132-ISK
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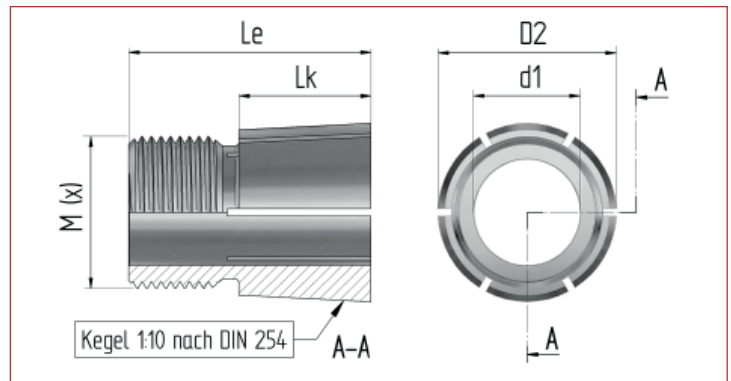
The use of BOQA® fastening elements offers a series of alternatives for complex shaft-to-hub connections with a significant impact on easier assembly/disassembly, reliability and longevity of drive components.



BOQA® Fastening Elements product group 1130 for shaft diameter = 6.35 mm (1/4")

Technical Data (general)

Material	: Preferably stainless steel 1.4104 (X12CrMoS17) or 1.4305 (X10CrNiS18 9) according to DIN 17 440 (other suitable materials upon request)
Cocentricity	: Cocentricity tolerance approx. 0,01 mm
Surface quality	: Ra = 3,2 µm (shaft) Ra = 1,6 µm (taper)
Seat (bore)	: d1 = H7 (at the unslotted part)



Technical Data (individual)

Fastening Element BOQA® Article-No.:	11134k	11134k-ISK	11134	11134-ISK	10075	10075-ISK
for shaft diameters (d1)	mm 6,35	6,35	6,35	6,35	6,35	6,35
Hub width (B) max.	mm 8,00	8,00	10,00	10,00	12,00	12,00
Taper diameter front (D2)	mm 11,30	11,30	11,30	11,30	11,30	11,30
Taper length (L _k)	mm 5,40	5,40	6,50	6,50	7,70	7,70
Counter bearing, length	mm -	-	-	-	-	-
Counter bearing, diameter	mm -	-	-	-	-	-
Bore depth for shaft journal	mm -	-	-	-	-	-
Overall length (L _e)	mm 12,00	12,00	14,00	14,00	16,00	16,00
Taper ratio (C)	C=1:x 1:10	1:10	1:10	1:10	1:10	1:10
Taper angle (α)	° 5,725	5,725	5,725	5,725	5,725	5,725
Thread (metric DIN)	M (x) M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 1,0	M10 x 1,0
Hex socket key width (SW)	mm -	6 mm	-	6 mm	-	6 mm

Fastening Nut (standard similar to DIN 439 or DIN 936, galvanised steel / stainless steel for an additional charge)

Thread (metric DIN)	M (x) M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 0,75	M10 x 1,0	M10 x 1,0
Key width (SW)	mm 13	13	13	13	13	13
Nut height (m)	mm 3,50	3,50	3,50	3,50	3,50	3,50
Recommended tightening torque ¹⁾ Nm	14,00	14,00	15,00	15,00	16,00	16,00

Transmission Values ²⁾

Torque (M)	Nm 8,40	8,40	9,00	9,00	9,50	9,50
Thrust (F _e)	kN 1,02	1,02	1,09	1,09	1,17	1,17
Hub load (pF)	N/mm² 81,10	81,10	72,91	72,91	66,37	66,37

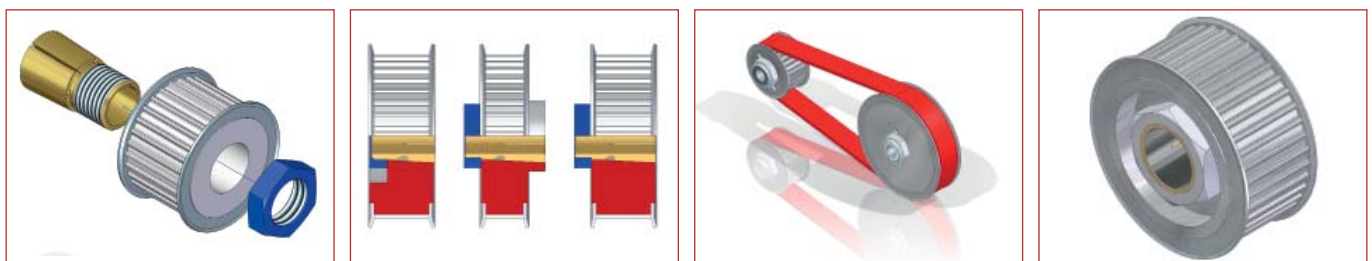
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BOQA® fastening elements are available in various lengths based on commercially available belt pulley widths and customised designs.



Article-No.:	11134k	11134k-ISK	11134	11134-ISK	10075	10075-ISK
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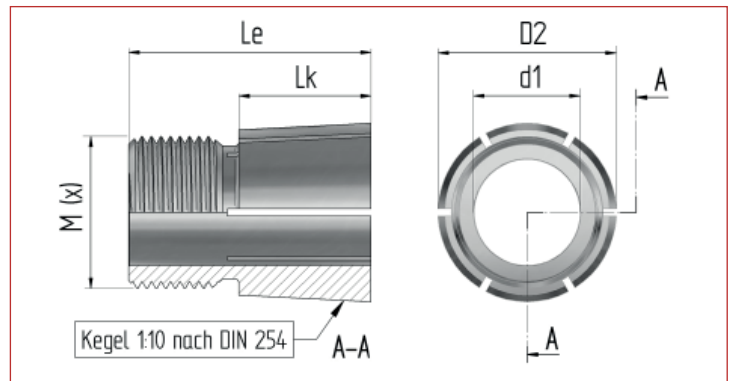
The use of BOQA® fastening elements offers a series of alternatives for complex shaft-to-hub connections with a significant impact on easier assembly/disassembly, reliability and longevity of drive components.



BOQA® Befestigungselement Gruppe 1130 für Wellen- $\varnothing = 6,35 \text{ mm}$ ($\frac{1}{4}"$)

Technical Data (general)

Material	Preferably stainless steel 1.4104 (X12CrMoS17) or 1.4305 (X10CrNiS18 9) according to DIN 17 440 (other suitable materials upon request)
Cocentricity	Concentricity tolerance approx. 0,01 mm
Surface quality	$R_a = 3,2 \mu\text{m}$ (shaft) $R_a = 1,6 \mu\text{m}$ (taper)
Seat (bore)	$d1 = H7$ (at the unslotted part)



Technical Data (individual)

Fastening Element BOQA® Article-No.:	10076S	10076S-ISK	10076	10076-ISK	10077	10077-ISK
for shaft diameters ($d1$)	mm 6,35	6,35	6,35	6,35	6,35	6,35
Hub width (B) max.	mm 16,00	16,00	19,00	19,00	22,00	22,00
Taper diameter front (D2)	mm 11,30	11,30	11,30	11,30	11,30	11,30
Taper length (L_k)	mm 10,20	10,20	12,50	12,50	16,50	16,50
Counter bearing, length	mm -	-	-	-	-	-
Counter bearing, diameter	mm -	-	-	-	-	-
Bore depth for shaft journal	mm -	-	-	-	-	-
Overall length (L_e)	mm 19,00	19,00	22,00	22,00	26,00	26,00
Taper ratio (C)	C=1:x 1:10	1:10	1:10	1:10	1:10	1:10
Taper angle (α)	° 5,725	5,725	5,725	5,725	5,725	5,725
Thread (metric DIN)	M (x) M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0
Hex socket key width (SW)	mm -	6 mm	-	6 mm	-	6 mm

Fastening Nut (standard similar to DIN 439 or DIN 936, galvanised steel / stainless steel for an additional charge)

Thread (metric DIN)	M (x) M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0
Key width (SW)	mm 13	13	13	13	13	13
Nut height (m)	mm 3,50	3,50	3,50	3,50	3,50	3,50
Recommended tightening torque ¹⁾ Nm	17,00	17,00	18,00	18,00	19,00	19,00

Transmission Values ²⁾

Torque (M)	Nm 10,20	10,20	10,80	10,80	11,40	11,40
Thrust (F_e)	kN 1,26	1,26	1,35	1,35	1,45	1,45
Hub load (p_F)	N/mm ² 54,48	54,48	48,09	48,09	39,94	39,94

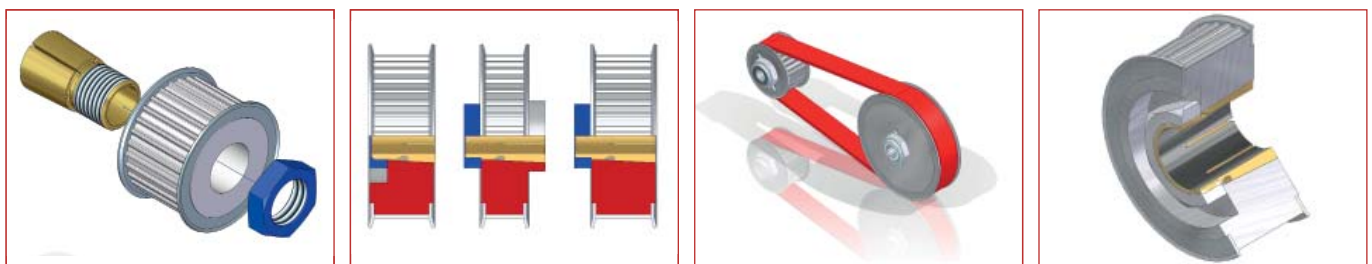
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BOQA® fastening elements are available in various lengths based on commercially available belt pulley widths and customised designs.



Article-No.:	10076S	10076S-ISK	10076	10076-ISK	10077	10077-ISK
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The use of BOQA® fastening elements offers a series of alternatives for complex shaft-to-hub connections with a significant impact on easier assembly/disassembly, reliability and longevity of drive components.

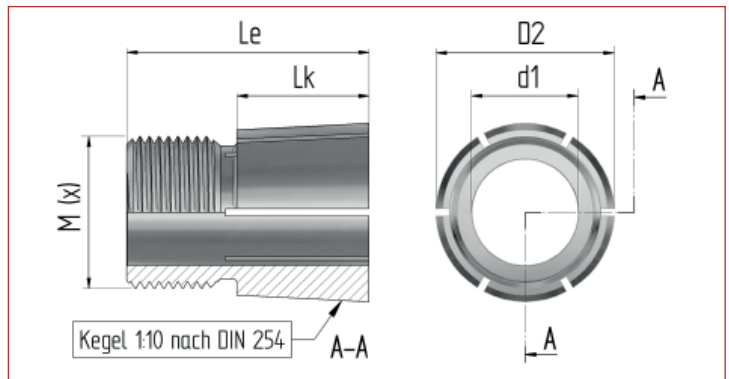


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BOQA® Fastening Elements product group 1130 for shaft diameter = 7.00 mm

Technical Data (general)

Material	Preferably stainless steel 1.4104 (X12CrMoS17) or 1.4305 (X10CrNiS18 9) according to DIN 17 440 (other suitable materials upon request)
Cocentricity	Concentricity tolerance approx. 0,01 mm
Surface quality	Ra = 3,2 µm (shaft) Ra = 1,6 µm (taper)
Seat (bore)	d1 = H7 (at the unslotted part)



Technical Data (individual)

Fastening Element BOQA® Article-No.:	10147S	10147S-ISK	10147	10147-ISK	10148	10148-ISK
for shaft diameters (d1)	mm 7,00	7,00	7,00	7,00	7,00	7,00
Hub width (B) max.	mm 16,00	16,00	19,00	19,00	22,00	22,00
Taper diameter front (D2)	mm 11,30	11,30	11,30	11,30	11,30	11,30
Taper length (L _k)	mm 10,20	10,20	12,50	12,50	16,50	16,50
Counter bearing, length	mm -	-	-	-	-	-
Counter bearing, diameter	mm -	-	-	-	-	-
Bore depth for shaft journal	mm -	-	-	-	-	-
Overall length (L _e)	mm 19,00	19,00	22,00	22,00	26,00	26,00
Taper ratio (C)	C=1:x 1:10	1:10	1:10	1:10	1:10	1:10
Taper angle (α)	° 5,725	5,725	5,725	5,725	5,725	5,725
Thread (metric DIN)	M (x) M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0
Hex socket key width (SW)	mm -	6 mm	-	6 mm	-	6 mm

Fastening Nut (standard similar to DIN 439 or DIN 936, galvanised steel / stainless steel for an additional charge)

Thread (metric DIN)	M (x) M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0	M10 x 1,0
Key width (SW)	mm 13	13	13	13	13	13
Nut height (m)	mm 3,50	3,50	3,50	3,50	3,50	3,50
Recommended tightening torque ¹⁾ Nm	18,00	18,00	19,00	19,00	20,00	20,00

Transmission Values ²⁾

Torque (M)	Nm 10,80	10,80	11,40	11,40	12,00	12,00
Thrust (F _e)	kN 1,33	1,33	1,42	1,42	1,53	1,53
Hub load (pF)	N/mm² 57,68	57,68	50,76	50,76	42,04	42,04

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BOQA® fastening elements are available in various lengths based on commercially available belt pulley widths and customised designs.



Article-No.:	10147S	10147S-ISK	10147	10147-ISK	10148	10148-ISK
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