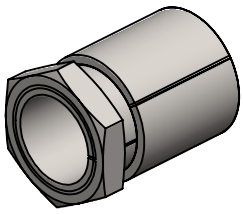
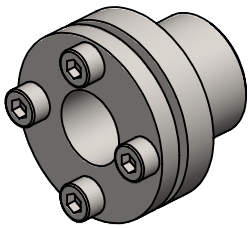
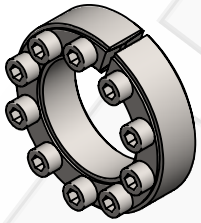
SPANBUSSEN RVS
LOCKING DEVICES SS
SPANNSÄTZE INOX
MOYEUX DE SERRAGE INOX



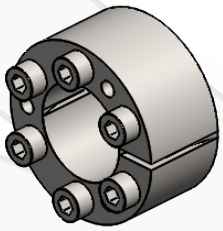
KTN 10



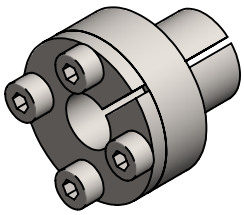
KTN 30



KTN 40



KTN 61



KTN 80

SPANBUSMONTAGE
LOCKING DEVICE MONTAGE
SPANNSÄTZE MONTAGE
MOYEUX DE SERRAGE MONTAGE

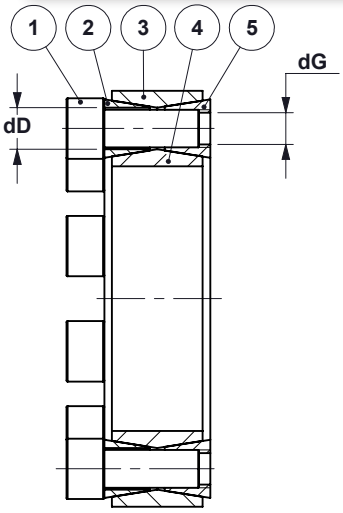


fig. 1

1 - Bout kwaliteit 12.9
2 - Voorste drukring
3 - Buitenring
4 - Binnenring
5 - Achterste drukring

1 - Bolt quality 12.9
2 - Frontside pressure ring
3 - External ring
4 - Internal ring
5 - Backside pressure ring

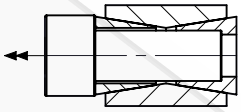


fig. 2

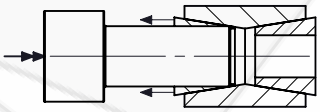


fig. 3

Montage

De krachtoverdracht vindt plaats door druk op de wrijvingsvlakken van de spansets, as en naaf uit te oefenen. Daarom moet er speciaal op gelet worden dat de bouten zijn aangedraaid met het voorgeschreven moment en dat de wrijvingsvlakken aan de eisen voldoen (zie tabel)
1 - Alle wrijvingsvlakken, inclusief draad en bout-koppen moeten schoon en licht geolied zijn. As, naaf en spanset in deze toestand monteren.
2 - Bouten licht aandraaien en naaf richten.
3 - Bouten in twee tot drie etappes gelijkmatig en kruiselings aantrekken tot het voorgeschreven aanhaalmoment (TA) is bereikt. (Zie TA in tabellen)
4 - De aanhaalmomenten van de bouten controleren in rondgaande volgorde. Pas wanneer alle bouten het vereiste moment hebben is de montage voltooid.

Demontage

1 - Bouten gelijkmatig en kruiselings in meerdere etappes losdraaien.
2 - De losgedraaide verbinding kan nu opnieuw ingesteld of uit elkaar genomen worden. Indien de KTN spanset vastgeklemd zit, de voorste en achterste drukring lossen volgens figuren 2 en 3.

De hulpschroefdraden voor demontage hebben slechts 3 tot 5 dragende gangen en zijn derhalve niet geschikt voor het overbrengen van grote krachten. In deze schroefdraad gemonteerde bouten kunnen de demontage vergemakkelijken.

Alvorens reeds gebruikte KTN spansets te monteren, deze eerst schoonmaken, licht inoliën en daarna volgens figuur 1 weer in elkaar zetten. De drie gemerkte bouten worden voorzien van sluitringen en dienen te worden geplaatst in de doorlopende gaten, waarin draad is getapt (dD).

Opgelet:
Bouten goed inoliën voor het aandraaien! Gebruik geen smeermiddelen die molybdeen sulfide bevatten!

Assembly

The power transfer takes place by exerting pressure on the friction surfaces of the clamping sets, shaft and hub. Therefore, special care is needed to make sure that the clamping screws are tightened with the specified torque and that the requirements with respect to the surface frictions are met (see table)
1 - All friction surfaces, including wire and screw heads, must be cleaned and slightly oiled. Mount the shaft, hub and clamping set in this state.
2 - Slightly tighten the bolts and align the hub.
3 - Tighten the bolts evenly and crosswise in two or three rounds until the prescribed specified torque (TA) is reached. (See TA in charts)
4 - Check the tightening torques of the bolts in circumferential order. Only when all bolts meet the required torque, the assembly is completed.

Disassembly

1 - Loosen the bolts evenly and crosswise in several stages.
2 - The loosened connection can now be reset or taken apart. If the KTN clamping set is clamped, loosen the first and last pressure ring according to figures 2 and 3.

Please note that the screw threads for disassembly only have 3 to 5 number of rounds and are therefore not suitable for the transmission of large forces. Previously mounted bolts could help easen the disassembly process.

Before usage, carefully clean and slightly oil the KTN clamping set and reassemble according to figure 1. The labeled screws are provided with washers and should be placed in the corresponding holes which are provided with screw thread (dD).

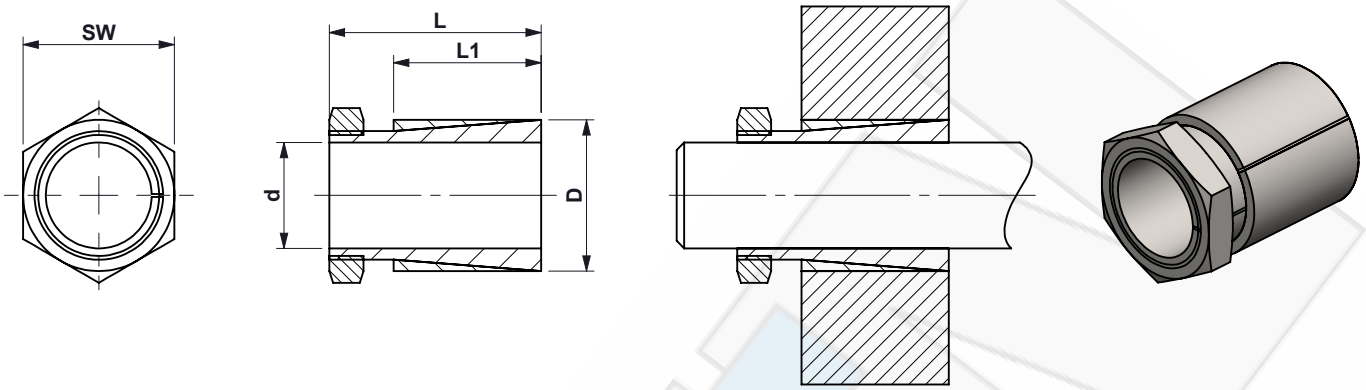
Attend:
Lubricate the bolts before tightening! Do not use lubricants containing molybdenum disulfide!

SPANBUSSEN KTN 10 RVS
LOCKING DEVICES KTN 10 SS
SPANNSÄTZE KTN 10 INOX
MOYEUX DE SERRAGE KTN 10 INOX

Zelfcentrerend
Self-centering

Maximale toleranties / Maximum tolerances

As diameter - h8 / Boring - H8
Shaft diameter - h8 / Bore - H8



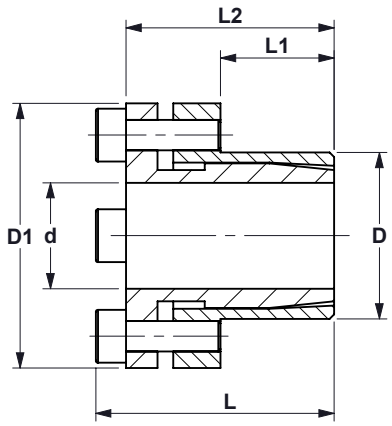
K.T.N. Number	ød x øD	ød x øD	SW	L	L1	Torque	Screws		
							DIN 912		TA
	[mm]	[inch]x[mm]	[mm]	[mm]	[mm]	[Nm]	No.	Type	[Nm]
50KTN10004008SS	4 x 8	-	8	15	12,50	3	1	M6 x 0,5	4
50KTN10005010SS	5 x 10	-	10	15	12,50	4	1	M8 x 0,5	5
50KTN10006010SS	6 x 10	-	10	15	12,50	7	1	M8 x 0,5	8
50KTN10006010SSI	-	1/4 x 10	10	15	12,50	7	1	M8 x 0,5	8
50KTN10007012SS	7 x 12	-	12	15	12,00	8	1	M10 x 0,75	9
50KTN10008014SS	8 x 14	-	16	22	19,00	14	1	M12 x 1	15
50KTN10009014SS	9 x 14	-	16	22	19,00	14	1	M12 x 1	15
50KTN10009014SSI	-	3/8 x 14	16	22	19,00	14	1	M12 x 1	15
50KTN10010017SS	10 x 17	-	18	22	18,50	18	1	M15 x 1	19
50KTN10011017SS	11 x 17	-	18	22	18,50	18	1	M15 x 1	19
50KTN10012017SS	12 x 17	-	18	22	18,50	18	1	M15 x 1	19
50KTN10014020SS	14 x 20	-	20	28	23,00	24	1	M17 x 1	25
50KTN10015020SS	15 x 20	-	20	28	23,00	24	1	M17 x 1	25
50KTN10015023SSI	-	5/8 x 23	26	28	23,00	26	1	M20 x 1	27
50KTN10016023SS	16 x 23	-	26	28	23,00	26	1	M20 x 1	27
50KTN10017023SS	17 x 23	-	26	28	23,00	26	1	M20 x 1	27
50KTN10019025SS	19 x 25	-	27	28	23,00	29	1	M22 x 1	30
50KTN10020028SS	20 x 28	-	30	28	23,00	31	1	M25 x 1	32

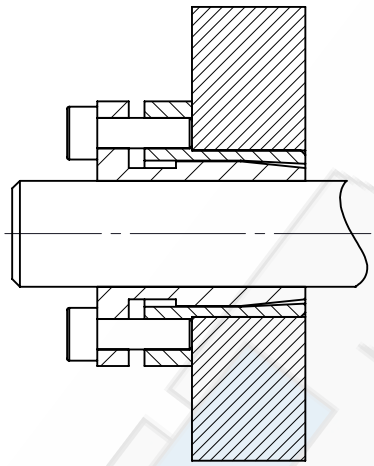
SPANBUSSEN KTN 30 RVS
LOCKING DEVICES KTN 30 SS
SPANNSÄTZE KTN 30 INOX
MOYEUX DE SERRAGE KTN 30 INOX

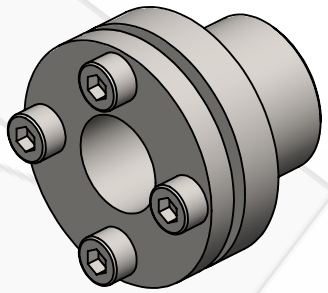
Zelfcentrerend
Self-centering

Maximale toleranties / Maximum tolerances

As diameter - h8 / Boring - H8
Shaft diameter - h8 / Bore - H8







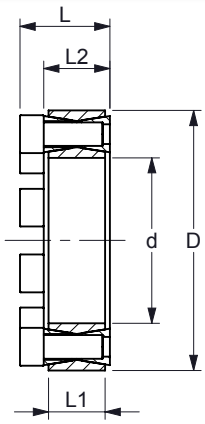
K.T.N. Number	ød x øD	øD1	L	L1	L2	Torque	Screws		
							DIN 912		TA
	[mm]	[mm]	[mm]	[mm]	[mm]	[Nm]	No.	Type	[Nm]
50KTN30006014SS	6 x 14	25	22,00	10	19,00	5	3	M3 x 8	1,20
50KTN30008015SS	8 x 15	27	25,50	12	21,50	17	3	M4 x 9	2,70
50KTN30010016SS	10 x 16	28	28,00	14	24,00	23	3	M4 x 10	2,70
50KTN30012018SS	12 x 18	30	29,50	14	25,50	27	3	M4 x 10	2,70
50KTN30014022SS	14 x 22	35	31,50	15	27,50	48	4	M4 x 12	2,70

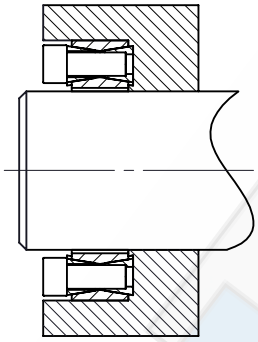
SPANBUSSEN KTN 40 RVS
LOCKING DEVICES KTN 40 SS
SPANNSÄTZE KTN 40 INOX
MOYEUX DE SERRAGE KTN 40 INOX

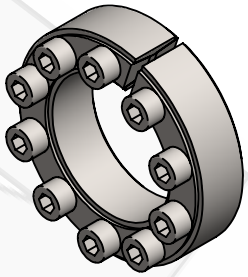
Niet-zelfcentrerend
Non-self-centering

Maximale toleranties / Maximum tolerances

As diameter - h8 / Boring - H8
Shaft diameter - h8 / Bore - H8







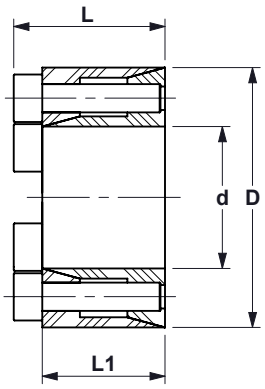
K.T.N. Number	ød x øD	L	L1	L2	Torque	Surface pressure		Screws		
						[Shaft h8]	[Hub H8]	DIN 912		TA
	[mm]	[mm]	[mm]	[mm]	[Nm]	[N/mm²]	[N/mm²]	No.	Type	[Nm]
50KTN40020027SS	20 x 47	26	17	20	110	133	57	8	M6 x 18	8
50KTN40022047SS	22 x 47	26	17	20	120	131	57	8	M6 x 18	8
50KTN40024050SS	24 x 50	26	17	20	150	125	60	9	M6 x 18	8
50KTN40025050SS	25 x 50	26	17	20	155	120	60	9	M6 x 18	8
50KTN40028055SS	28 x 55	26	17	20	170	107	55	9	M6 x 18	8
50KTN40030055SS	30 x 55	26	17	20	185	100	55	9	M6 x 18	8
50KTN40032060SS	32 x 60	26	17	20	265	125	66	12	M6 x 18	8
50KTN40035060SS	35 x 60	26	17	20	290	114	67	12	M6 x 18	8
50KTN40038065SS	38 x 65	26	17	20	390	131	77	15	M6 x 18	8
50KTN40040065SS	40 x 65	26	17	20	410	125	77	15	M6 x 18	8
50KTN40042075SS	42 x 75	32	20	24	595	138	78	12	M8 x 22	18
50KTN40045075SS	45 x 75	32	20	24	635	129	78	12	M8 x 22	18
50KTN40048080SS	48 x 80	32	20	24	680	121	73	12	M8 x 22	18
50KTN40050080SS	50 x 80	32	20	24	700	116	73	12	M8 x 22	18

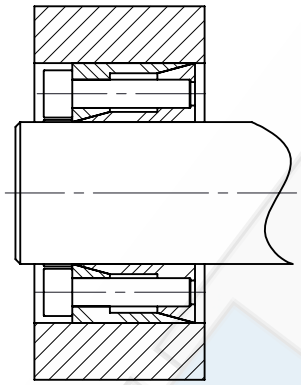
SPANBUSSEN KTN 61 RVS
LOCKING DEVICES KTN 61 SS
SPANNSÄTZE KTN 61 INOX
MOYEUX DE SERRAGE KTN 61 INOX

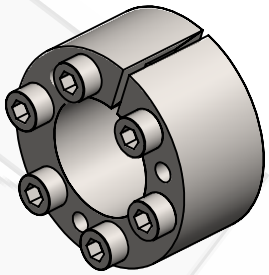
Zelfcentrerend
Self-centering

Maximale toleranties / Maximum tolerances

As diameter - h8 / Boring - H8
Shaft diameter - h8 / Bore - H8







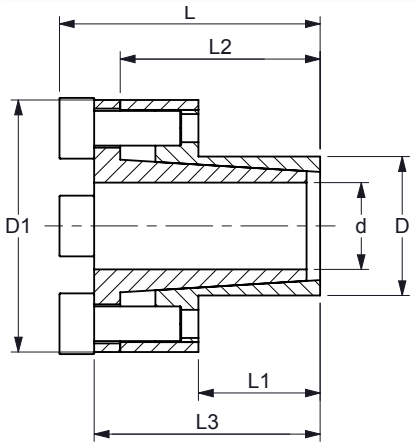
K.T.N. Number	ød x øD	L	L1	Torque	Surface pressure		Screws		
					[Shaft h8]	[Hub H8]	DIN 912		TA
	[mm]	[mm]	[mm]	[Nm]	[N/mm²]	[N/mm²]	No.	Type	[Nm]
50KTN61006016SS	6 x 16	13,50	11	3	49	19	3	M2,5 x 10	0,50
50KTN61007017SS	7 x 17	13,50	11	3	42	17	3	M2,5 x 10	0,50
50KTN61008018SS	8 x 18	13,50	11	4	37	17	3	M2,5 x 10	0,50
50KTN61009020SS	9 x 20	15,50	13	6	37	17	4	M2,5 x 12	0,50
50KTN61010020SS	10 x 20	15,50	13	6	33	17	4	M2,5 x 12	0,50
50KTN61012022SS	12 x 22	15,50	13	7	26	15	4	M2,5 x 12	0,50
50KTN61014026SS	14 x 26	20,00	17	13	28	15	4	M3 x 16	0,90
50KTN61015028SS	15 x 28	20,00	17	14	26	14	4	M3 x 16	0,90
50KTN61016032SS	16 x 32	21,00	17	28	45	23	4	M4 x 16	2,20
50KTN61017035SS	17 x 35	25,00	21	30	34	17	4	M4 x 20	2,20
50KTN61018035SS	18 x 35	25,00	21	32	32	17	4	M4 x 20	2,20
50KTN61019035SS	19 x 35	25,00	21	34	31	17	4	M4 x 20	2,20
50KTN61020038SS	20 x 38	26,00	21	55	45	24	4	M5 x 20	4,20
50KTN61022040SS	22 x 40	26,00	21	61	41	23	4	M5 x 20	4,20
50KTN61024047SS	24 x 47	32,00	26	96	44	23	4	M6 x 24	7,30
50KTN61025047SS	25 x 47	32,00	26	100	43	23	4	M6 x 24	7,30
50KTN61028050SS	28 x 50	32,00	26	210	57	32	6	M6 x 24	7,30
50KTN61030055SS	30 x 55	32,00	26	220	54	29	6	M6 x 24	7,30
50KTN61032055SS	32 x 55	32,00	26	240	50	29	6	M6 x 24	7,30
50KTN61035060SS	35 x 60	35,00	29	350	55	32	6	M6 x 28	7,30
50KTN61038065SS	38 x 65	35,00	29	380	51	29	6	M6 x 28	7,30
50KTN61040065SS	40 x 65	35,00	29	400	48	29	6	M6 x 28	7,30

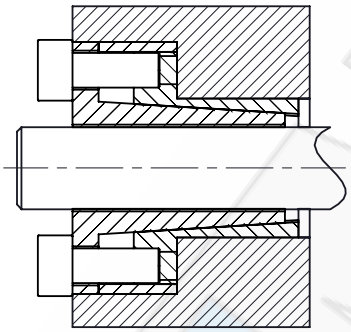
SPANBUSSEN KTN 80 RVS
LOCKING DEVICES KTN 80 SS
SPANNSÄTZE KTN 80 INOX
MOYEUX DE SERRAGE KTN 80 INOX

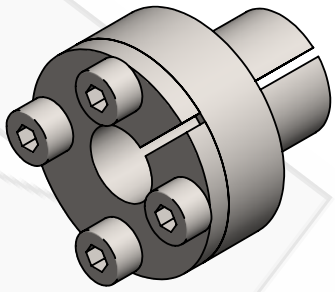
Zelfcentrerend
Self-centering

Maximale toleranties / Maximum tolerances

As diameter - h8 / Boring - H8
Shaft diameter - h8 / Bore - H8







K.T.N. Number	ød x øD	øD1	L	L1	L2	L3	Torque	Surface pressure		Screws		
								[Shaft h8]	[Hub H8]	DIN 912		TA
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[Nm]	[N/mm²]	[N/mm²]	No.	Type	[Nm]
50KTN80010016SS	10 x 16	29	31	14	23	27	22	82	51	4	M4 x 12	2
50KTN80012018SS	12 x 18	32	32	14	23	28	26	69	46	4	M4 x 12	2
50KTN80014023SS	14 x 23	38	32	14	23	28	30	59	36	4	M4 x 12	2
50KTN80015024SS	15 x 24	44	43	16	29	37	73	107	67	4	M6 x 18	8
50KTN80016024SS	16 x 24	44	43	16	29	37	78	101	67	4	M6 x 18	8
50KTN80018026SS	18 x 26	47	45	18	31	39	87	79	55	4	M6 x 18	8
50KTN80019027SS	19 x 27	49	45	18	31	39	92	75	53	4	M6 x 18	8
50KTN80020028SS	20 x 28	50	45	18	31	39	97	71	51	4	M6 x 18	8
50KTN80022032SS	22 x 32	54	52	25	38	46	105	47	32	4	M6 x 18	8
50KTN80024034SS	24 x 34	56	52	25	38	46	175	64	45	6	M6 x 18	8
50KTN80025034SS	25 x 34	56	52	25	38	46	180	62	45	6	M6 x 18	8
50KTN80028039SS	28 x 39	61	52	25	38	46	200	55	40	6	M6 x 18	8
50KTN80030041SS	30 x 41	62	52	25	38	46	220	51	38	6	M6 x 18	8
50KTN80032043SS	32 x 43	65	52	25	38	46	310	64	48	8	M6 x 18	8
50KTN80035047SS	35 x 47	66	59	32	43	53	340	46	34	8	M6 x 18	8
50KTN80038050SS	38 x 50	72	59	32	43	53	370	42	32	8	M6 x 18	8
50KTN80040053SS	40 x 53	75	59	32	45	53	390	40	30	8	M6 x 18	8
50KTN80042055SS	42 x 55	78	59	32	45	53	410	39	29	8	M6 x 18	8
50KTN80045059SS	45 x 59	86	78	45	56	70	820	48	36	8	M8 x 22	18
50KTN80048062SS	48 x 62	87	78	45	56	70	880	45	35	8	M8 x 22	18
50KTN80050065SS	50 x 65	92	78	45	56	70	910	43	33	8	M8 x 22	18