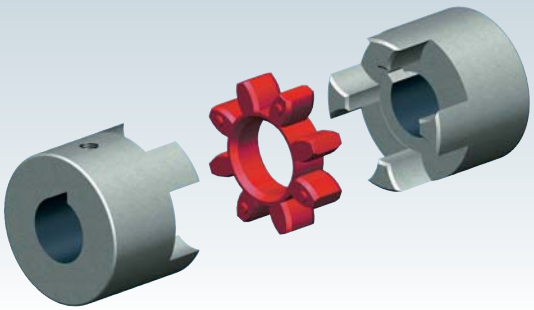
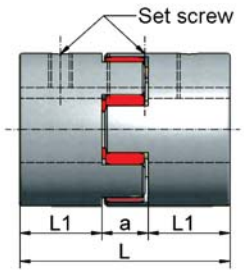
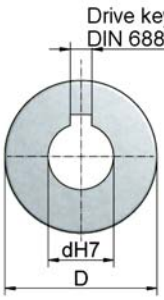


Standard coupling KUZ





Standard bores "d" [mm]

KUZ-09	U, 5*, 6, 7, 8, 9
KUZ-14	U, 9, 11, 14
KUZ-19	U, 11, 14, 16, 19
KUZ-24	U, 11, 14, 16, 19, 19L, 20, 24
KUZ-28	U, 14, 16, 19, 20, 24, 25, 28
KUZ-38	U, 25, 28, 28L, 32, 38
KUZ-45	U, 25, 28, 32, 38, 42, 45
KUZ-55	U, 28, 42, 48, 55

Other diameters available on request
U = not drilled (KUZ-14 and KUZ-19 pre-drilled Ø6.3)
L = long hub
*Coupling with set screw, without keyway

Dimensions

Size	D	L	L1	a	ds_{star}	$L1_{long\ hub}$	Set screw	Tightening torque [Nm]
KUZ-09	20	30	10	10	-	-	M4	1.5
KUZ-14	27.5	44	16	12	-	-	M6 *(M4)*	4.8 *(1.5)*
KUZ-19	34.5	51	19	13	12	-	M6	4.8
KUZ-24	40	66	25	16	17	40	M5	2
KUZ-28	55	78	30	18	26	-	M5	2
KUZ-38	65	90	35	20	29	60	M6	4.8
KUZ-45	80	114	45	24	37	-	M8	10
KUZ-55	95	126	50	26	45	-	M8	10
KUZ-60	105	140	56	28	50	-	M8	10
KUZ-70	120	160	65	30	59	-	M10	17
KUZ-75	135	185	75	35	67	-	M10	17
KUZ-90	160	210	85	40	79	-	M10	17

Coupling with keyway and set screw
- standard coupling with keyway and set screw
- provides rotational resilience
- maintenance-free
- material: as shown in the table

Elastomer star
- material: Polyurethane
- medium to good damping
- very good long-term strength
- temperature range: -20°C to +70°C reduced to -30°C, up to +100°C (Mx0.55)

Technical data

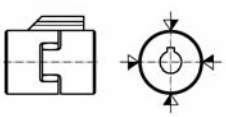
Size	Rated torque [Nm]	max. Torque [Nm]	max. speed [rpm]	Shore hardness Star	Material*	Weight, drilled [kg]	Torsional stiffness C_{tdyn} [Nm/rad]	Moment of inertia [10^{-3}kgm²]
KUZ-09	3	6	28000	92A	A	0.05	-	-
KUZ-14	4.5	4.5	20000	55D	S	0.14	254	0.02
KUZ-19	7.3	7.3	14000	55D	S	0.27	274	0.03
KUZ-24	17	34	14000	98A	S	0.34	2920	0.1
KUZ-28	60	120	10600	98A	S	0.9	9930	0.4
KUZ-38	160	320	8500	98A	S	1.5	26770	1.4
KUZ-45	325	650	7100	98A	G	2.35	48570	2.5
KUZ-55	450	900	6000	98A	G	3.55	54500	6.1
KUZ-60	525	1050	5600	98A	G	4.85	65290	10.2
KUZ-70	625	1250	4750	98A	G	7.4	94970	20.3
KUZ-75	900	1300	4250	98A	G	10.8	129510	37.1
KUZ-90	1500	3000	3550	98A	G	17.7	197500	84

*A = Aluminium, S = Sintered steel, G = Cast iron

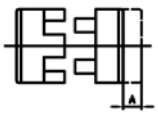
Ordering example:

KUZ-24-20/24
- Size
- Bore d end 1
- Bore d end 2

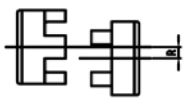
Potential assembly errors



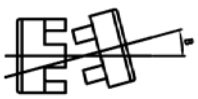
Assembly instruction:
Check the angle and radial offset using straight edges in two planes



Axial displacement **A**
axial



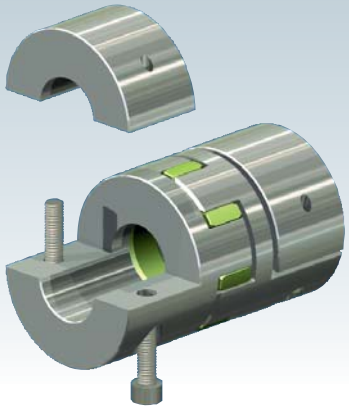
Axis offset **R**
lateral



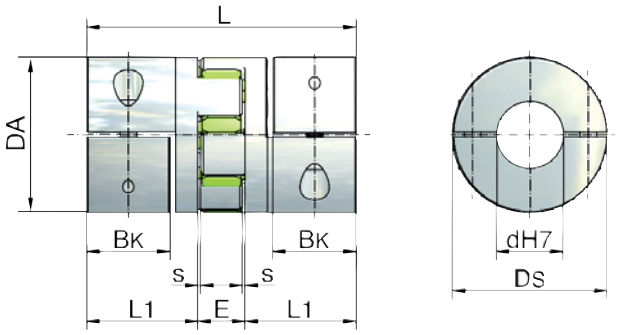
Angular error **β**
angular

Permissible assembly errors

Size	A	R	β
KUZ-09	0.8	0.15	1.0°
KUZ-14	0.75	0.4	0.5°
KUZ-19	0.75	0.4	0.5°
KUZ-24	1.2	0.2	0.9°
KUZ-28	1.4	0.22	0.9°
KUZ-38	1.5	0.25	0.9°
KUZ-45	1.8	0.28	1.0°
KUZ-55	2	0.32	1.0°
KUZ-60	2.1	0.36	1.1°
KUZ-70	2.2	0.38	1.1°
KUZ-75	2.6	0.42	1.2°
KUZ-90	3	0.48	1.2°



Clamp coupling KUZ-KK



*BK=shaft extension clamping length

Standard bores "d" [mm]

KUZ-KK-16	8, 9, 10, 11, 12, 14, 15, 16
KUZ-KK-24	9, 10, 11, 12, 14, 15, 16, 18, 19, 20, 22
KUZ-KK-32	10, 11, 12, 14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32
KUZ-KK-35	12, 15, 16, 18, 20, 22, 24, 25, 28, 30, 32, 35
KUZ-KK-45	16, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45
KUZ-KK-60	25, 28, 32, 38, 40, 42, 45, 48, 50, 55

4

Coupling with split shells
- Split shells permit easy radial insertion
- High concentricity
- High clamping forces
- Low moment of inertia
- Stepless adjustment facility thanks to the clamp hub rather than a fitted drive key
- Keyway available on request
- Material: high-tensile aluminium

Elastomer star
- Permanently free of play, dampens vibration
- Shore hardness 64D
- Colour: ZIMM green
- Temperature range: 0°C to +70°C reduced to -20°C, to +100°C (Mx0.55)

Dimensions, technical data

Coupling size	Dimensions DA [mm]	DS [mm]	L [mm]	L1 [mm]	BK* [mm]	s [mm]	E [mm]	Clamping screw M 10.9	Tightening torque [Nm]	Moment of inertia [10^{-3}kgm²]	Torsional stiffness C_{Tdyn} [Nm/rad]	Weight [kg]
KUZ-KK-16	32	32	54	21	15	1.5	12	M4	4	0.01	1375	0.10
KUZ-KK-24	42	44.5	66	25	17	1.5	16	M5	8	0.08	3700	0.20
KUZ-KK-32	56	57	98	40	30	2	18	M6	15	0.24	9917	0.55
KUZ-KK-35	67	68	114	47	35	2	20	M8	35	0.51	24417	0.90
KUZ-KK-45	82	85	134	55	40	2	24	M10	70	2.4	33667	1.60
KUZ-KK-60	102	105	156	65	50	2	26	M12	120	6	67667	2.70

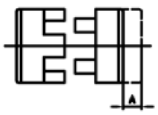
Ordering example:

KUZ-KK-32-20/24
- Size
- Bore d end 1
- Bore d end 2

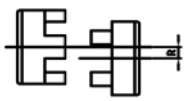
Torques

Coupling size	Elastomer star Rated torque [Nm]	Max. torque [Nm]	Maximum transmittable torque of clamp hub depending on the bore diameter (clamp force) Ø9 [Nm]	Ø11 [Nm]	Ø14 [Nm]	Ø16 [Nm]	Ø19 [Nm]	Ø20 [Nm]	Ø22 [Nm]	Ø24 [Nm]	Ø25 [Nm]	Ø28 [Nm]	Ø30 [Nm]	Ø32 [Nm]	Ø38 [Nm]	Ø40 [Nm]	Ø42 [Nm]	Ø45 [Nm]	Ø48 [Nm]	Ø55 [Nm]
KUZ-KK-16	12	25	21	26	33	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KUZ-KK-24	17	34	-	41	52	60	70	74	81	-	-	-	-	-	-	-	-	-	-	-
KUZ-KK-32	60	120	-	60	76	87	104	109	120	131	136	153	164	175	-	-	-	-	-	-
KUZ-KK-35	160	320	-	-	-	120	-	188	206	-	235	-	-	301	-	-	-	-	-	-
KUZ-KK-45	325	650	-	-	-	325	386	406	447	488	508	568	610	650	772	-	854	915	-	-
KUZ-KK-60	530	1060	-	-	-	-	-	-	-	-	570	638	-	730	866	914	960	1029	1097	1250

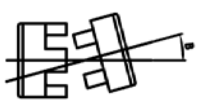
1. Axial offset - axial



2. Axial offset - lateral



3. Angular error - angular



Size	max. axial offset in mm (axial)	max. axial offset in mm (lateral)	max. angular error in degrees (angular)
KUZ-KK-16	±1	0.08	1°
KUZ-KK-24	±2	0.08	1°
KUZ-KK-32	±2	0.10	1°
KUZ-KK-35	±2	0.15	1°
KUZ-KK-45	±2	0.12	1°
KUZ-KK-60	±2	0.14	1°