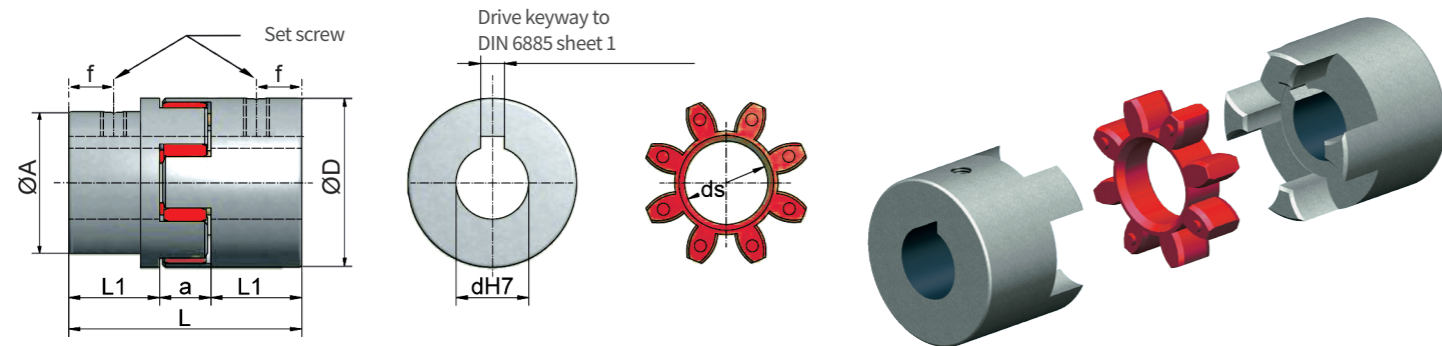


## Standard coupling KUZ

Coupling with keyway and set screw



### Dimensions

Size	D	A offset hub	L	L1	a	f	ds star	L1 long hub	Set screw	Tightening torque Nm
KUZ-09	20	-	30	10	10	5	-	-	M4	1,5
KUZ-14	27,5	-	44	15	14	7,8	-	-	M6 (M4)	4,8 (1,5)
KUZ-19	34,5	-	51	19	13	9,6	12	-	M6	4,8
KUZ-24	40	-	66	25	16	10	17	40	M5	2
KUZ-28	55	-	78	30	18	10	26	-	M5	2
KUZ-38	65	-	90	35	20	15	29	60	M6	4,8
KUZ-45	80	66	114	45	24	15	37	-	M8	10
KUZ-55	95	75	126	50	26	20	45	-	M8	10
KUZ-60	105	85	140	56	28	20	50	-	M8	10
KUZ-70	120	98	160	65	30	20	59	-	M10	17
KUZ-75	135	115	185	75	35	20	67	-	M10	17
KUZ-90	160	135	210	85	40	25	79	-	M10	17

### 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 $10^{-3}kgm^2$
KUZ-09	3	6	28000	92A	A	0,05	-	-
KUZ-14	4,2	4,2	20000	92A	S	0,14	254	0,02
KUZ-19	7,4	7,4	14000	92A	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	625	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

## Standard coupling KUZ

Coupling with keyway and set screw



### Standard bores „d“ mm

KUZ-09:	U, 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, 28A, 38A, 40A, 42A, 48, 55
KUZ-60:	38A, 40A, 60
KUZ-70:	40A, 65

U = not drilled (KUZ-19 pre-drilled  $\varnothing 6,3$  mm)  
 L = long hub  
 A = offset hub  
 \* = coupling with set screw, without keyway.  
 Other diameters available on request.

### Elastomer star

**Material:** polyurethane  
**Damping:** medium to good damping  
**Strength:** very good long-term strength  
**Temperature range:** -20°C to +70°C  
 reduced to -30°C,  
 up to +100°C (Mx0,55)

### Coupling with keyway and set screw

**Material:** as shown in the table  
**Keyway:** DIN 6885/1-P9  
**Other features:** Provides rotational resilience and maintenance-free

### Permissible assembly errors

Size	A mm	R mm	$\beta$
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°

### Potential assembly errors (KUZ and KUZ-KK)

Assembly instruction	Axial displacement A	Axis offset R	Angular error $\beta$
	axial	lateral	angular

### Ordering example:

**KUZ-24-20/24**

Size \_\_\_\_\_  
 Bore 1st side \_\_\_\_\_  
 bore 2nd side \_\_\_\_\_