



**TFI...FKB**  
**TFI...T-2RS**  
**TFI...T-2RS MAG.**

BALL JOINT ENDS

DIN 648, E SERIES AND B FORM - ISO 6126  
 MAINTENANCE FREE

COUPLING: STEEL/STEEL  
 STEEL END C45



ARTICLE (*)	d	TOLERANCES		S	D4	I	D1	D3	E	D2	D5	S1	L	L1	Lf	F	LOAD FACTORS		RADIAL CLEARANCE	SWINGING ANGLE α	WEIGHT Kg.
		d	S														Dynamic C	Static Co			
mm.																	KN	mm.	degree		
TFI 6 FKB (1)	6	0 ± -0.008	0 ± -0.12	6	8	30	21	13	10.5	11	5	4.3	40.5	10.5	11	M 6X1	3.6	8.1	0.023 - 0.068	13	0.02
TFI 8 FKB (1)	8	0 ± -0.008	0 ± -0.12	8	10.2	36	24	15	12	13	5	6	48	12	15	M 8X1.25	5.8	12.9	0.023 - 0.068	15	0.04
TFI 10 FKB (1)	10	0 ± -0.008	0 ± -0.12	9	13.2	43	29	18	15	15	6.5	7	57.5	14	20	M10X1.5	8.6	17.6	0.023 - 0.068	12	0.06
TFI 12 FKB (1)	12	0 ± -0.008	0 ± -0.12	10	15	50	34	20	17	18	6.5	8	67	17.5	24	M12X1.75	11.4	24.5	0.023 - 0.068	11	0.09
TFI 15 FKB (2)	15	0 ± -0.008	0 ± -0.12	12	18.4	61	40	24	20	21	8	10	81	20	30	M14X2	17.6	36	0.030 - 0.082	8	0.18
TFI 17 FKB (T-2RS) (2)	17	0 ± -0.008	0 ± -0.12	14	20.7	67	46	28	23	24	10	11	90	23	34	M16X2	22.4	45	0.030 - 0.082	10	0.22
TFI 20 FKB (T-2RS) (2)	20	0 ± -0.010	0 ± -0.12	16	24.1	77	53	35	27.5	32	10	13	103.5	27.5	40	M20X1.5	31.5	60	0.030 - 0.082	9	0.35
TFI 25 FKB (T-2RS)	25	0 ± -0.010	0 ± -0.12	20	29.3	94	64	42	33.5	36	12	17	126	32	48	M24X2	51	83	0.037 - 0.100	7	0.64
TFI 30 FKB (T-2RS)	30	0 ± -0.010	0 ± -0.12	22	34.2	110	73	50	40	41	15	19	146.5	37	56	M30X2	66.5	110	0.037 - 0.100	6	0.93
TFI 35 T-2RS	35	0 ± -0.012	0 ± -0.12	25	39.7	125	82	58	47	50	15	21	166	42	60	M36X3	112	146	0.037 - 0.100	6	1.30
TFI 40 T-2RS	40	0 ± -0.012	0 ± -0.12	28	45	142	92	65	52	55	18	23	188	48	67	M39X3	140	180	0.043 - 0.120	7	2.01
TFI 45 T-2RS	45	0 ± -0.012	0 ± -0.12	32	50.7	145	102	70	58	60	20	27	196	52	65	M42X3	180	240	0.043 - 0.120	7	2.50
TFI 50 T-2RS	50	0 ± -0.012	0 ± -0.12	35	56	160	112	75	62	65	20	30	216	59	69	M45X3	220	290	0.043 - 0.120	6	3.50
TFI 60 T-2RS	60	0 ± -0.015	0 ± -0.15	44	66.8	175	135	88	70	75	20	38	242	75	73	M52X3	345	450	0.043 - 0.120	6	5.50
TFI 70 T-2RS	70	0 ± -0.015	0 ± -0.15	49	77.8	200	160	98	85	80	20	42	280	87	80	M56X4	440	610	0.055 - 0.142	6	8.60
TFI 80 T-2RS	80	0 ± -0.015	0 ± -0.15	55	89.4	230	180	110	95	100	25	47	320	100	85	M64X4	570	750	0.055 - 0.142	6	12.00
<b>HIGHER THREAD VERSION</b>																					
TFI 40 T-2RS MAG.	40	0 ± -0.012	0 ± -0.12	28	45	142	92	65	52	55	18	23	188	48	67	M42X3	140	180	0.043 - 0.120	7	1.96
TFI 45 T-2RS MAG.	45	0 ± -0.012	0 ± -0.12	32	50.7	145	102	70	58	60	20	27	196	52	65	M45X3	180	240	0.043 - 0.120	7	2.44
TFI 50 T-2RS MAG.	50	0 ± -0.012	0 ± -0.12	35	56	160	112	75	62	65	20	30	216	59	69	M52X3	220	290	0.043 - 0.120	6	3.40
TFI 60 T-2RS MAG.	60	0 ± -0.015	0 ± -0.15	44	66.8	175	135	88	70	75	20	38	242	75	73	M60X4	345	450	0.043 - 0.120	6	5.38
TFI 70 T-2RS MAG.	70	0 ± -0.015	0 ± -0.15	49	77.8	200	160	98	85	80	20	42	280	87	80	M72X4	410	610	0.055 - 0.142	6	8.42
TFI 80 T-2RS MAG	80	0 ± -0.015	0 ± -0.15	55	89.4	230	180	110	95	100	25	47	320	100	85	M80X4	570	750	0.055 - 0.142	6	11.80

(1) Non lubricatable. (2) Lubricatable by a lubrication opening on the head.

(\*) When requiring a left-end threading, add the letter "L" in the article code, e.g. TFI...L. Availability and prices upon request.