

TSCHAN® Coupling **NOR-MEX®**

It consists of a flange and a unique shape elastic body, which withstands large transmission torque. 20 types available and 301 total combinations.

FG

- Energy-saving since it transmits large torque with small body.
- Suitable for machineries with high-speed revolution
- Elastic body can be easily attached and removed without moving machinery.
 Compact design application, quiet operation and also maintenance-free.
- Wide variety of sizes and types.

LG



Standard Sizes

G

Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm	Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm	Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm
G 82	49	88.3	8000	82	91.5	LG 82-120	49	88.3	8000	120	67.5	FG 82	49	88.3	8000	82	80
G 97	103	186	7000	97	113	LG 97-144	103	186	7000	144	83	FG 97	103	186	7000	97	92.5
G112	164	294	6000	112	133	LG112-158	164	294	6000	158	95	FG112	164	294	6000	112	110
G128	262	471	5000	128	153.5	LG128-180	262	471	5000	180	108.5	FG128	262	471	5000	128	121.5
G148	409	735	4500	148	175.5	LG148-200	409	735	4500	200	123.5	FG148	409	735	4500	148	140.5
G168	682	1230	4000	168	197.5	LG168-220	682	1230	4000	220	141.5	FG168	682	1230	4000	168	159
G194	1100	1960	3500	194	220.5	LG194-248	1100	1960	3500	248	158.5	FG194	1100	1960	3500	194	177.5
G214	1640	2940	3000	214	243	LG214-274	1640	2940	3000	274	175	FG214	1640	2940	3000	214	195.5
G240	2620	4710	2750	240	266	LG240-314	2620	4710	2750	314	191	FG240	2620	4710	2750	240	212.5
G265	4090	7350	2500	265	309.5	LG265-344	4090	7350	2500	344	219.5	FG265	4090	7350	2500	265	245.5
G295	5440	9810	2250	295	334	LG295-380	5440	9810	2250	380	236	FG295	5440	9810	2250	295	264
G330	7080	12700	2000	330	356	LG330-430	7080	12700	2000	430	252	FG330	7080	12700	2000	330	282.5
G370	9900	17800	1750	370	399	(LG370-480)	9900	17800	1750	480	281	FG370	9900	17800	1750	370	313
G415	14700	26500	1500	415	441	(LG415-575)	14700	26500	1500	575	306	FG415	14700	26500	1500	415	343
(G480)	19600	35300	1400	480	485												
(G575)	29400	53000	1200	575	525												
Е				LE									FE				
	I			I				I					1	1	FE		
Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm	Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm	Code	Regular Torque TN N·m	Max. Torque Mmax N·m	Max. Revolution Speed rpm	Outer Diameter mm	Total Length mm
Code	Torque TN	Max. Torque Mmax	Revolution Speed	Diameter	Length	Code	Torque TN	Torque Mmax	Max. Revolution Speed	Diameter	Length	Code	Torque TN	Torque Mmax	Max. Revolution Speed	Diameter	Length
	Torque TN N·m	Max. Torque Mmax N·m	Revolution Speed rpm	Diameter mm	Length mm	Code LE 67-106	Torque TN	Torque Mmax	Max. Revolution Speed	Diameter	Length	Code	Torque TN	Torque Mmax	Max. Revolution Speed	Diameter	Length
E 50	Torque TN N·m	Max. Torque Mmax N·m	Revolution Speed rpm	Diameter mm	Length mm		Torque TN N·m	Torque Mmax N·m	Max. Revolution Speed rpm	Diameter mm	Length mm	Code	Torque TN	Torque Mmax	Max. Revolution Speed	Diameter	Length
E 50 E 67	Torque TN N·m 12.7 21.6	Max. Torque Mmax N·m 22.6 39.2	Revolution Speed rpm 13500 10000	50 67	52 62.5	LE 67-106	Torque TN N·m	Torque Mmax N·m	Max. Revolution Speed rpm	Diameter mm	Length mm		Torque TN N·m	Torque Mmax N·m	Max. Revolution Speed rpm	Diameter mm	Length mm
E 50 E 67 E 82	Torque TN N·m 12.7 21.6 49.0	Max. Torque Mmax N·m 22.6 39.2 88.3	Revolution Speed rpm 13500 10000 8000	50 67 82	52 62.5 83	LE 67-106 LE 82-120	Torque TN N·m 21.6 49.0	Torque Mmax N-m 39.2 88.3	Max. Revolution Speed rpm	Diameter mm 106 120	47.5 59	FE 82	Torque TN N·m	Torque Mmax N·m	Max. Revolution Speed rpm	Diameter mm	Length mm
E 50 E 67 E 82 E 97	Torque TN N·m 12.7 21.6 49.0 103	Max. Torque Mmax N·m 22.6 39.2 88.3 186	Revolution Speed rpm 13500 10000 8000 7000	50 67 82 97	52 62.5 83 103	LE 67-106 LE 82-120 LE 97-144	21.6 49.0	39.2 88.3	Max. Revolution Speed rpm	106 120 144	47.5 59 73	FE 82 FE 97	49.0 103	Torque Mmax N·m	Max. Revolution Speed rpm 8000 7000	Diameter mm 82 97	71.5 82.5
E 50 E 67 E 82 E 97 E112	12.7 21.6 49.0 103	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294	Revolution Speed rpm 13500 10000 8000 7000 6000	50 67 82 97 112	52 62.5 83 103 123.5	LE 67-106 LE 82-120 LE 97-144 LE112-158	21.6 49.0 103 164	39.2 88.3 186 294	Max. Revolution Speed rpm 10000 8000 7000 6000	106 120 144 158	47.5 59 73 85.5	FE 82 FE 97 FE112	49.0 103 164	88.3 186 294	Max. Revolution Speed rpm 8000 7000 6000	82 97 112	71.5 82.5 100.5
E 50 E 67 E 82 E 97 E112 E128	12.7 21.6 49.0 103 164 262	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471	Revolution Speed rpm 13500 10000 8000 7000 6000 5000	50 67 82 97 112 128	52 62.5 83 103 123.5 143.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180	21.6 49.0 103 164 262	39.2 88.3 186 294 471	Max. Revolution Speed rpm 10000 8000 7000 6000 5000	106 120 144 158 180	47.5 59 73 85.5 98.5	FE 82 FE 97 FE112 FE128	49.0 103 164 262	88.3 186 294 471	Max. Revolution Speed rpm 8000 7000 6000 5000	82 97 112 128	71.5 82.5 100.5 111.5
E 50 E 67 E 82 E 97 E112 E128 E148	12.7 21.6 49.0 103 164 262 409	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500	50 67 82 97 112 128 148	52 62.5 83 103 123.5 143.5 163.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200	21.6 49.0 103 164 262 409	39.2 88.3 186 294 471 735	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500	106 120 144 158 180 200	47.5 59 73 85.5 98.5 111.5	FE 82 FE 97 FE112 FE128 FE148	49.0 103 164 262 409	88.3 186 294 471 735	Max. Revolution Speed rpm 8000 7000 6000 5000 4500	82 97 112 128 148	71.5 82.5 100.5 111.5
E 50 E 67 E 82 E 97 E112 E128 E148 E168	Torque TN N-m 12.7 21.6 49.0 103 164 262 409 682	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735 1230	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000	Diameter mm	52 62.5 83 103 123.5 143.5 163.5 183.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220	21.6 49.0 103 164 262 409 680	39.2 88.3 186 294 471 735	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000	106 120 144 158 180 200 220	47.5 59 73 85.5 98.5 111.5	FE 82 FE 97 FE112 FE128 FE148 FE168	Torque TN N·m 49.0 103 164 262 409 682	88.3 186 294 471 735 1230	Max. Revolution Speed rpm 8000 7000 6000 5000 4500 4000	82 97 112 128 148	71.5 82.5 100.5 111.5 128.5
E 50 E 67 E 82 E 97 E112 E128 E148 E168 E194	Torque TN N-m 12.7 21.6 49.0 103 164 262 409 682 1100	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735 1230 1960	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000 3500	Diameter mm	52 62.5 83 103 123.5 143.5 163.5 183.5 203.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220 LE194-248	21.6 49.0 103 164 262 409 680	39.2 88.3 186 294 471 735 1230	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000 3500	106 120 144 158 180 200 220 248	47.5 59 73 85.5 98.5 111.5 127.5 141.5	FE 82 FE 97 FE112 FE128 FE148 FE168 FE194	49.0 103 164 262 409 682	88.3 186 294 471 735 1230	Max. Revolution Speed rpm 8000 7000 6000 5000 4500 4000 3500	82 97 112 128 148 168	71.5 82.5 100.5 111.5 128.5 145
E 50 E 67 E 82 E 97 E112 E128 E148 E168 E194 E214	12.7 21.6 49.0 103 164 262 409 682 1100	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735 1230 1960 2940	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000 3500 3000	Diameter mm	52 62.5 83 103 123.5 143.5 163.5 183.5 203.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220 LE194-248 LE214-274	21.6 49.0 103 164 262 409 680 1100	39.2 88.3 186 294 471 735 1230 1960 2940	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000 3500 3000	106 120 144 158 180 200 220 248 274	47.5 59 73 85.5 98.5 111.5 127.5 141.5	FE 82 FE 97 FE112 FE128 FE148 FE168 FE194 FE214	49.0 103 164 262 409 682 1100	88.3 186 294 471 735 1230 1960 2940	8000 7000 6000 5000 4500 4000 3500 3000	82 97 112 128 148 168 194 214	71.5 82.5 100.5 111.5 128.5 145 160.5
E 50 E 67 E 82 E 97 E112 E128 E148 E168 E194 E214	12.7 21.6 49.0 103 164 262 409 682 1100 1640 2620	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735 1230 1960 2940 4710	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750	Diameter mm	52 62.5 83 103 123.5 143.5 163.5 203.5 224 244	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220 LE194-248 LE214-274 LE240-314	21.6 49.0 103 164 262 409 680 1100 1640 2620	39.2 88.3 186 294 471 735 1230 1960 2940 4710	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750	106 120 144 158 180 200 220 248 274 314	47.5 59 73 85.5 98.5 111.5 127.5 141.5 156	FE 82 FE 97 FE112 FE128 FE148 FE168 FE194 FE214 FE240	49.0 103 164 262 409 682 1100 1640 2620	88.3 186 294 471 735 1230 1960 2940 4710	Max. Revolution Speed rpm 8000 7000 6000 5000 4500 4000 3500 3000 2750	82 97 112 128 148 168 194 214	71.5 82.5 100.5 111.5 128.5 145 160.5 176.5
E 50 E 67 E 82 E 97 E112 E128 E148 E168 E194 E214 E240 E265	Torque TN N-m 12.7 21.6 49.0 103 164 262 409 682 1100 1640 2620 4090	Max. Torque Mmax N-m 22.6 39.2 88.3 186 294 471 735 1230 1960 2940 4710 7350	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500	Diameter mm	Eength mm 52 62.5 83 103 123.5 143.5 163.5 183.5 203.5 224 244 285.5	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220 LE194-248 LE214-274 LE240-314 LE265-344	21.6 49.0 103 164 262 409 680 1100 1640 2620 4090	39.2 88.3 186 294 471 735 1230 1960 2940 4710 7350	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500	106 120 144 158 180 200 220 248 274 314 344	47.5 59 73 85.5 98.5 111.5 127.5 141.5 156 169 195.5	FE 82 FE 97 FE112 FE128 FE148 FE168 FE194 FE240 FE265	49.0 103 164 262 409 682 1100 1640 2620 4090	88.3 186 294 471 735 1230 1960 2940 4710 7350	Max. Revolution Speed rpm 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500	82 97 112 128 148 168 194 214 240	71.5 82.5 100.5 111.5 128.5 145 160.5 176.5 190.5
E 50 E 67 E 82 E 97 E112 E128 E148 E168 E194 E214 E240 E265 E295	Torque TN N-m 12.7 21.6 49.0 103 164 262 409 682 1100 1640 2620 4090 5440	Max. Torque Mmax N·m 22.6 39.2 88.3 186 294 471 735 1230 1960 2940 4710 7350 9810	Revolution Speed rpm 13500 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500 2250	Diameter mm	Length mm	LE 67-106 LE 82-120 LE 97-144 LE112-158 LE128-180 LE148-200 LE168-220 LE194-248 LE214-274 LE240-314 LE265-344 LE295-380	21.6 49.0 103 164 262 409 680 1100 1640 2620 4090 5440	39.2 88.3 186 294 471 735 1230 1960 2940 4710 7350 9810	Max. Revolution Speed rpm 10000 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500	106 120 144 158 180 200 220 248 274 314 344 380	47.5 59 73 85.5 98.5 111.5 127.5 141.5 156 169 195.5 210	FE 82 FE 97 FE112 FE128 FE148 FE168 FE194 FE214 FE240 FE265 FE295	49.0 103 164 262 409 682 1100 1640 2620 4090 5440	88.3 186 294 471 735 1230 1960 2940 4710 7350 9810	Max. Revolution Speed rpm 8000 7000 6000 5000 4500 4000 3500 3000 2750 2500 2250	82 97 112 128 148 168 194 214 240 265 295	71.5 82.5 100.5 111.5 128.5 145 160.5 176.5 190.5 221.5

Sizes in () are made-to-order.

 $[\]label{eq:total_problem} \verb§$ TSCHAN§ and NOR-MEX§ are registered trademarks of TSCHAN§ GmbH (Corporation).$

TSCHAN® Coupling NOR-MEX® Series

Applications

- Water pump
- Hydraulic pump
- Blowe
- Injection molding machine
- Paper manufacturing machine
- Compressor
- Rotary compressor
- Screw compressor
- Plate feeder
- Batcher plant
- Ball mill
- Hydraulic pump
- Blower
- Injection molding machine
- Paper manufacturing machine



