



1.5 Carichi radiali e assiali

1.5 Axial and overhung loads

1.5 Radiale und Axiale Belastungen

Valore di carico radiale massimo ammesso

Value of the maximum admitted radial load

Max. zul. Querkraft

WMI 25

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	-	-	-	503	-	-	-	-
10				553				
15				633				
20				697				
-				-				
30				798				
40				878				
50				946				
60				1006				
-				-				
-				-				

WI-WMI 30

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	125	542	150	683	175	792	210	963
10	140	597	169	752	197	871	210	1060
15	140	683	169	861	197	997	210	1213
20	146	752	190	948	210	1098	210	1336
25	210	810	210	1021	210	1183	210	1439
30	210	861	210	1085	210	1257	210	1529
40	127	948	210	1194	210	1383	210	1683
50	128	1021	210	1286	210	1490	210	1813
60	126	1085	210	1367	210	1583	210	1830
80	130	1194	210	1504	210	1743	210	1830
100	-	-	-	-	-	-	-	-

WI-WMI 40

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	233	1044	294	1315	319	1524	350	1853
10	272	1149	331	1447	350	1677	350	2040
15	291	1315	331	1657	350	1920	350	2335
20	204	1447	350	1824	350	2113	350	2570
25	236	1559	350	1964	350	2276	350	2769
30	350	1657	350	2087	350	2419	350	2942
40	350	1824	350	2298	350	2662	350	3238
50	350	1964	350	2475	350	2868	350	3488
60	350	2087	350	2630	350	3047	350	3490
80	350	2298	350	2895	350	3354	350	3490
100	350	2475	350	3118	350	3490	350	3490

WI-WMI 50

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	324	1433	401	1805	448	2091	490	2544
10	378	1577	490	1987	490	2302	490	2800
15	399	1805	490	2274	490	2635	490	3205
20	417	1987	490	2503	490	2900	490	3528
25	482	2140	490	2696	490	3124	490	3800
30	490	2274	490	2865	490	3320	490	4038
40	490	2503	490	3153	490	3654	490	4445
50	490	2696	490	3397	490	3936	490	4788
60	490	2865	490	3610	490	4183	490	4840
80	490	3153	490	3973	490	4604	490	4840
100	490	3397	490	4280	490	4840	490	4840

WI-WMI 63

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	395	1873	500	2359	580	2734	700	3325
10	463	2061	571	2597	661	3009	700	3660
15	492	2359	615	2973	670	3444	700	4190
20	538	2597	667	3272	700	3791	700	4611
25	593	2797	700	3524	700	4084	700	4967
30	700	2973	700	3745	700	4339	700	5279
40	700	3272	700	4122	700	4776	700	5810
50	700	3524	700	4440	700	5145	700	6259
60	700	3745	700	4719	700	5467	700	6270
80	700	4122	700	5193	700	6018	700	6270
100	700	4440	700	5595	700	6270	700	6270

WI-WMI 75

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	560	2210	700	2785	810	3227	980	3925
10	703	2433	830	3065	975	3551	980	4320
15	727	2785	851	3509	980	4065	980	4945
20	872	3065	980	3862	980	4474	980	5443
25	980	3302	980	4160	980	4820	980	5863
30	980	3509	980	4421	980	5122	980	6231
40	980	3862	980	4865	980	5637	980	6858
50	980	4160	980	5241	980	6073	980	7380
60	980	4421	980	5569	980	6453	980	7380
80	980	4865	980	6130	980	7103	980	7380
100	980	5241	980	6603	980	7380	980	7380



1.5 Carichi radiali e assiali

1.5 Axial and overhung loads

1.5 Radiale und Axiale Belastungen

Valore di carico radiale massimo
ammesso

Value of the maximum admitted
radial load

Max. zul. Querkraft

WI-WMI 90

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	715	2446	900	3081	1040	3570	1270	4343
10	900	2692	1082	3391	1270	3929	1270	4780
15	1034	3081	1257	3882	1270	4498	1270	5472
20	1120	3391	1270	4273	1270	4951	1270	6022
25	1270	3653	1270	4603	1270	5333	1270	6487
30	1270	3882	1270	4891	1270	5667	1270	6894
40	1270	4273	1270	5383	1270	6238	1270	7588
50	1270	4603	1270	5799	1270	6719	1270	8174
60	1270	4891	1270	6163	1270	7140	1270	8180
80	1270	5383	1270	6783	1270	7859	1270	8180
100	1270	5799	1270	7306	1270	8180	1270	8180

WI-WMI 110

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	950	3090	1200	3893	1390	4511	1700	5488
10	1194	3401	1463	4285	1700	4965	1700	6040
15	1337	3893	1604	4905	1700	5684	1700	6914
20	1485	4285	1700	5399	1700	6256	1700	7610
25	1700	4616	1700	5816	1700	6739	1700	8198
30	1700	4905	1700	6181	1700	7161	1700	8711
40	1700	5399	1700	6803	1700	7882	1700	9588
50	1700	5816	1700	7328	1700	8491	1700	10320
60	1700	6181	1700	7787	1700	9023	1700	10320
80	1700	6803	1700	8571	1700	9931	1700	10320
100	1700	7328	1700	9232	1700	10320	1700	10320

WI-WMI 130

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5	1190	4042	1500	5092	1740	5901	2100	7178
10	1493	4449	1845	5605	2100	6494	2100	7900
15	1725	5092	2070	6416	2100	7434	2100	9043
20	1912	5605	2100	7062	2100	8182	2100	9953
25	2100	6038	2100	7607	2100	8814	2100	10722
30	2100	6416	2100	8084	2100	9366	2100	11394
40	2100	7062	2100	8897	2100	10309	2100	12540
50	2100	7607	2100	9584	2100	11105	2100	13500
60	2100	8084	2100	10185	2100	11801	2100	13500
80	2100	8897	2100	11210	2100	12989	2100	13500
100	2100	9584	2100	12076	2100	13500	2100	13500

WI-WMI 150

ir	n ₁ = 2800		n ₁ = 1400		n ₁ = 900		n ₁ = 500	
	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N	F _{r1} N	F _{r2} N
7.5			1950	6962				
10			2267	7663				
15			2285	8771				
20			2674	9654				
25			2800	10400				
30			2800	11051				
40			2800	12163				
50			2800	13103				
60			2800	13924				
80			2800	15325				
100			2800	16508				



1.6 Prestazioni riduttori WI

1.6 WI Gearboxes performances

1.6 Leistungen der WI-Getriebe

WMI 25



0.7

ir	$n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5				186.7	11	0.25							56
10				140	12	0.21							
15				93.3	12.3	0.15							
20				70	12.4	0.12							
-				-	-	-							
30				46.7	13.3	0.08							
40				35	12	0.08							
50				28	11	0.055							
60				23.3	10	0.04							
-				-	-	-							
-				-	-	-							

WI 30



1.2

ir	$n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	13	0.58	186.7	18	0.41	120	20	0.30	66.7	24	0.21	56-63
10	280	13	0.45	140	18	0.32	90	20	0.24	50	24	0.16	
15	186.7	13	0.31	93.3	18	0.23	60	20	0.17	33.3	24	0.12	
20	140	12	0.23	70	18	0.18	45	19	0.13	25	23	0.09	
25	112	15	0.25	56	20	0.18	36	23	0.14	20	29	0.10	
30	93.3	15	0.21	46.7	20	0.15	30	21	0.11	16.7	26	0.08	
40	70	14	0.16	35	18	0.11	22.5	21	0.09	12.5	24	0.06	
50	56	12	0.12	28	17	0.09	18	19	0.07	10	22	0.05	
60	46.7	12	0.10	23.3	16	0.08	15	18	0.06	8.3	20	0.04	
80	35	11	0.08	17.5	12	0.05	11.3	14	0.04	6.3	17	0.03	
-	-	-	-	-	-	-	-	-	-	-	-	-	—

WI 40



2.3

ir	$n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	27	1.20	186.7	40	0.90	120	43	0.65	66.7	53	0.45	63-71
10	280	30	1.00	140	40	0.69	90	44	0.50	50	53	0.35	
15	186.7	31	0.72	93.3	39	0.48	60	45	0.36	33.3	56	0.26	
20	140	29	0.52	70	39	0.37	45	44	0.28	25	52	0.19	
25	112	28	0.42	56	38	0.30	36	44	0.23	20	49	0.15	
30	93.3	34	0.44	46.7	44	0.31	30	48	0.23	16.7	58	0.16	
40	70	31	0.32	35	41	0.23	22.5	44	0.17	12.5	53	0.12	
50	56	30	0.26	28	37	0.18	18	43	0.14	10	52	0.10	
60	46.7	27	0.21	23.3	35	0.15	15	38	0.11	8.3	46	0.08	
80	35	25	0.16	17.5	33	0.12	11.3	37	0.09	6.3	40	0.06	
100	28	22	0.12	14	29	0.09	9	33	0.07	5.0	38	0.05	56-63

WI 50



3.5

ir	$n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	52	2.3	186.7	71	1.6	120	81	1.2	66.7	102	0.86	71-80
10	280	53	1.8	140	70	1.2	90	83	0.94	50	104	0.67	
15	186.7	57	1.3	93.3	73	0.88	60	84	0.67	33.3	102	0.47	
20	140	53	0.95	70	72	0.68	45	76	0.48	25	92	0.33	
25	112	51	0.75	56	69	0.54	36	76	0.39	20	94	0.28	
30	93.3	65	0.82	46.7	83	0.57	30	91	0.42	16.7	106	0.29	
40	70	59	0.59	35	77	0.42	22.5	83	0.31	12.5	99	0.22	
50	56	53	0.45	28	73	0.34	18	78	0.25	10	89	0.17	
60	46.7	50	0.37	23.3	68	0.28	15	74	0.21	8.3	82	0.14	
80	35	45	0.27	17.5	64	0.22	11.3	66	0.16	6.3	75	0.11	
100	28	40	0.21	14	52	0.16	9	56	0.12	5.0	69	0.09	63-71



1.6 Prestazioni riduttori WI

1.6 WI Gearboxes performances

1.6 Leistungen der WI-Getriebe

WI 63



6.2

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	92	4.0	186.7	126	2.8	120	151	2.2	66.7	180	1.5	80-90
10	280	96	3.2	140	129	2.2	90	152	1.7	50	188	1.2	
15	186.7	101	2.3	93.3	134	1.6	60	153	1.2	33.3	188	0.85	
20	140	97	1.7	70	131	1.2	45	149	0.91	25	178	0.63	
25	112	91	1.3	56	131	1.0	36	135	0.69	20	163	0.48	
30	93.3	120	1.5	46.7	164	1.1	30	176	0.79	16.7	204	0.54	71-80
40	70	113	1.1	35	143	0.76	22.5	160	0.58	12.5	186	0.40	
50	56	102	0.83	28	133	0.60	18	146	0.45	10	174	0.32	
60	46.7	96	0.68	23.3	130	0.51	15	137	0.37	8.3	162	0.26	
80	35	86	0.49	17.5	119	0.39	11.3	127	0.29	6.3	138	0.19	
100	28	74	0.37	14	118	0.34	9	125	0.25	5.0	131	0.16	71

WI 75



9.0

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	128	5.6	186.7	185	4.1	120	212	3.1	66.7	253	2.1	90-100-112
10	280	141	4.7	140	190	3.2	90	223	2.5	50	266	1.7	
15	186.7	150	3.4	93.3	198	2.3	60	232	1.8	33.3	268	1.2	
20	140	160	2.8	70	210	1.9	45	232	1.4	25	281	0.98	
25	112	147	2.1	56	202	1.5	36	219	1.1	20	251	0.73	
30	93.3	170	2.1	46.7	233	1.5	30	249	1.1	16.7	299	0.77	80-90
40	70	166	1.6	35	216	1.1	22.5	236	0.83	12.5	279	0.58	
50	56	149	1.2	28	206	0.89	18	217	0.65	10	248	0.44	
60	46.7	143	1.0	23.3	197	0.75	15	206	0.54	8.3	234	0.37	
80	35	130	0.72	17.5	187	0.58	11.3	200	0.43	6.3	220	0.29	
100	28	123	0.58	14	180	0.48	9	191	0.36	5.0	206	0.24	71-80

WI 90



13.0

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	207	8.9	186.7	287	6.3	120	336	4.8	66.7	406	3.3	90-110-112
10	280	236	7.7	140	306	5.1	90	365	4.0	50	433	2.7	
15	186.7	270	6.0	93.3	357	4.1	60	410	3.1	33.3	488	2.1	
20	140	258	4.4	70	351	3.1	45	395	2.3	25	477	1.6	
25	112	246	3.4	56	332	2.4	36	372	1.8	20	430	1.2	
30	93.3	311	3.7	46.7	415	2.6	30	454	1.9	16.7	568	1.4	80-90
40	70	280	2.6	35	363	1.8	22.5	422	1.4	12.5	486	0.95	
50	56	263	2.0	28	339	1.4	18	391	1.1	10	451	0.75	
60	46.7	242	1.6	23.3	307	1.1	15	350	0.86	8.3	407	0.59	
80	35	229	1.2	17.5	285	0.83	11.3	314	0.63	6.3	368	0.45	
100	28	203	0.9	14	270	0.67	9	281	0.49	5.0	328	0.35	80

WI 110



22.0

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	386	16.6	186.7	546	12	120	644	9.2	66.7	788	6.4	100-112-132
10	280	433	14.1	140	588	9.8	90	702	7.6	50	844	5.2	
15	186.7	482	10.7	93.3	660	7.5	60	749	5.6	33.3	906	3.9	
20	140	475	8.0	70	649	5.6	45	722	4.1	25	856	2.8	
25	112	499	6.8	56	665	4.7	36	752	3.5	20	894	2.4	
30	93.3	552	6.5	46.7	727	4.5	30	847	3.5	16.7	988	2.4	90-100-112
40	70	519	4.7	35	693	3.3	22.5	785	2.5	12.5	909	1.7	
50	56	498	3.7	28	656	2.6	18	753	2.0	10	882	1.4	
60	46.7	472	3.0	23.3	620	2.1	15	693	1.6	8.3	810	1.1	
80	35	398	2.0	17.5	512	1.4	11.3	586	1.1	6.3	668	0.76	
100	28	382	1.6	14	473	1.1	9	526	0.84	5.0	609	0.59	80-90



1.6 Prestazioni riduttori WI

1.6 WI Gearboxes performances

1.6 Leistungen der WI-Getriebe

WI 130



48.0

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5	373.3	514	22.1	186.7	741	16.1	120	871	12.3	66.7	1071	8.6	132
10	280	574	18.7	140	820	13.5	90	951	10.3	50	1153	7.1	
15	186.7	669	14.7	93.3	917	10.3	60	1055	7.8	33.3	1293	5.5	
20	140	660	11	70	905	7.8	45	1022	5.8	25	1222	4.0	
25	112	660	9.0	56	931	6.5	36	1031	4.8	20	1192	3.2	100-112-132
30	93.3	774	9.0	46.7	1047	6.4	30	1152	4.7	16.7	1378	3.3	
40	70	727	6.5	35	1043	4.9	22.5	1099	3.5	12.5	1284	2.4	
50	56	696	5.1	28	972	3.8	18	1017	2.7	10	1216	1.9	100-112
60	46.7	638	4.0	23.3	928	3.1	15	923	2.1	8.3	1105	1.5	
80	35	606	3.0	17.5	853	2.3	11.3	852	1.6	6.3	967	1.1	90-100-112
100	28	525	2.2	14	742	1.7	9	751	1.2	5.0	877	0.85	

WI 150



84.0

ir	Δ $n_1 = 2800 \text{ min}^{-1}$			$n_1 = 1400 \text{ min}^{-1}$			$n_1 = 900 \text{ min}^{-1}$			$n_1 = 500 \text{ min}^{-1}$			IEC
	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	n_2 min^{-1}	T_{2M} Nm	P kW	
7.5				186.7	1200	25.5							160
10				140	1240	19.5							
15				93.3	1250	13.5							132-160
20				70	1300	10.5							
25				56	1200	8.8							132
30				46.7	1200	7.4							
40				35	1550	7.4							
50				28	1400	5.5							100-112-132
60				23.3	1260	4.4							
80				17.5	1150	3.2							100-112
100				14	1000	2.4							

⚠ ATTENZIONE!

Per situazioni con velocità di ingresso particolari attenersi alla tabella sotto riportata che evidenzia situazioni critiche per ogni riduttore (Vedere paragrafo

⚠ WARNING!

If in presence of non standard input speed please attain to the chart below considering extreme usage conditions for each gearbox (Look at chapter 1.2-A).

⚠ ACHTUNG!

Mit unstandardisierte Antriebsgeschwindigkeit bitte auf folgende Liste Bezug nehmen in Betrachtung der schwierigen Arbeitsbedingungen fuer jede

	UI - RI - WI													
	25	28	30	40	50	63	70	75	85	90	110	130	150	180
$1500 < n_1 < 3000$	OK	OK	OK	OK	OK									
$n_1 > 3000$	⚠ Contattare il ns. servizio tecnico Contact our technical dept Wenden Sie sich an unseren technischen Service													

I pesi riportati sono indicativi e possono variare in funzione della versione del riduttore.

Listed weights are for reference only and can vary according to the gearbox version.

Die angegebenen Gewichte sind Richtwerte und können je nach Getriebeversion etwas variieren.

N.B. Per i riduttori evidenziati dal doppio bordo nella colonna delle potenze è necessario verificare lo scambio termico del riduttore (come nel par. 1.7-A). Per maggiori informazioni contattare l'ufficio

NOTE. Please pay attention to the frame around the input power value: for this gearboxes it's important to check the thermal capacity (comp. chapter 1.7-A). For details please contact our technical

HINWEIS. Sind in den Tabellen Nennleistungen eingerahmt, so ist die thermische Leistungsgrenze der Getriebe zu beachten (s. S. 1.7-A). Für weitere Informationen wenden Sie sich