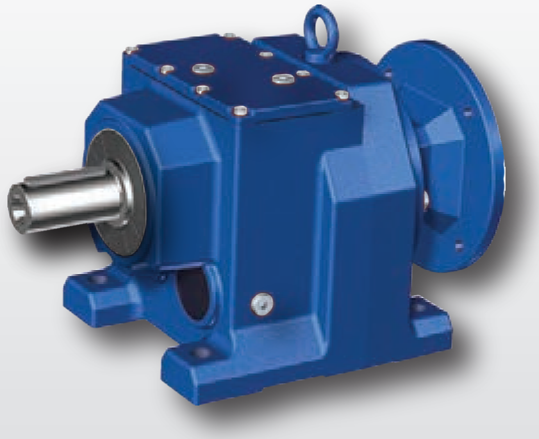
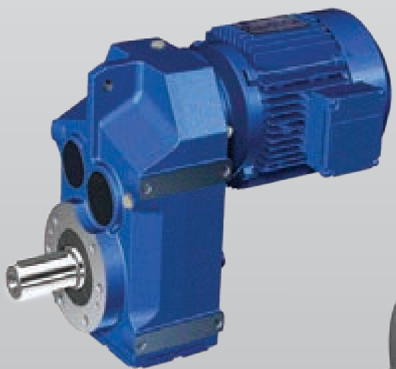
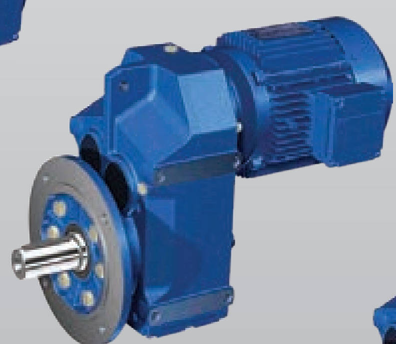
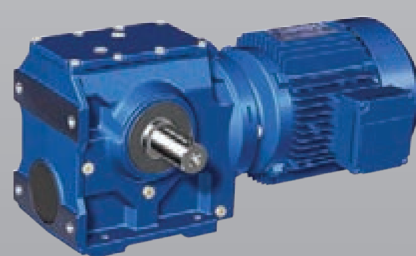
JMC

Gear units with IEC adapter AM

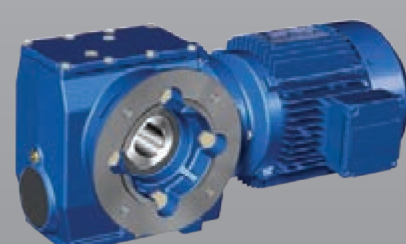








- High power density
- Wear-free
- Long service life
- 94% gear unit efficiency
- Multi-stage gear unit for low output speeds



JMC Gear units with IEC adapter AM

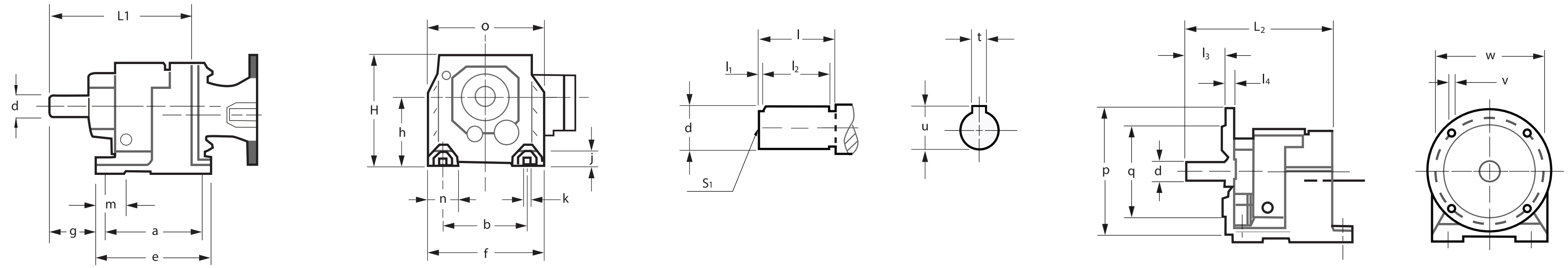
DATA SHEET

P_{1n} [k.W.]	n_2 [r/min]	M_{2n}	i	Fr_2 [N]	fs		
0.37	13	270	105.83	10000	2.20	TR , TRF 68	MY 71D4
	9.1	390	98.99	7350	1.15	TR , TRF 58	MY 71D4
	20	176	68.54	5930	1.70	TR , TRF 48	MY 71D4
	24	145	56.73	6010	2.10		
	29	123	48.08	5590	1.60	TR , TRF 38	MY 71D4
	35	100	39.17	5290	2.00		
	48	74	28.78	3250	1.75	TR , TRF 28	MY 71D4
	56	63	24.47	3110	2.10		
	71	50	19.35	2920	2.60		
	104	34	13.28	2620	3.80		
0.75	15	485	92.97	12200	1.70	TR , TRF 78	MY 80N4
	20	360	69.75	9570	1.65	TR , TRF 68	MY 80N4
	24	295	57.29	7220	1.50	TR , TRF 58	MY 80N4
	29	250	48.23	6930	1.80		
	32	225	42.87	5240	1.35	TR , TRF 48	MY 80N4
	46	155	29.88	4800	1.95		
	57	127	24.42	4320	1.60	TR , TRF 38	MY 80N4
	71	100	19.31	4080	2.00		
	104	69	13.28	2450	1.90	TR , TRF 28	MY 80N4
	136	53	10.13	2290	2.30		
	209	34	6.59	2010	3.10		
1.5	14	1050	103.44	28200	2.90	TR , TRF 98	MY 90L4
	17	830	81.92	20000	1.85	TR , TRF 88	MY 90L4
	23	615	60.35	20000	2.50		
	27	535	52.82	20000	2.90		
	31	465	45.81	12200	1.75	TR , TRF 78	MY 90L4
	50	285	28.13	9950	1.90	TR , TRF 68	MY 90L4
	54	265	26.31	5390	1.70	TR , TRF 58	MY 90L4
	73	196	19.27	3890	1.50	TR , TRF 48	MY 90L4
	97	148	14.56	3650	1.80		
	139	103	10.15	3340	2.20		
	291	49	4.85	2700	3.00		
2.2	14	1530	102.53	37200	2.80	TR , TRF 108	MY 100M4
	17	1240	83.15	28000	2.40	TR , TRF 98	MY 100M4
	24	890	59.92	27000	3.40		
	27	785	52.82	20000	1.95	TR , TRF 88	MY 100M4
	30	710	47.58	20000	2.20		
	49	430	29.00	12100	1.90	TR , TRF 78	MY 100M4
	60	350	23.37	11400	2.40		
	71	295	19.89	8760	2.00	TR , TRF 68	MY 100M4
	101	210	13.95	4390	2.10	TR , TRF 58	MY 100M4
	139	151	10.15	3160	1.50	TR , TRF 48	MY 100M4
	250	84	5.64	2700	1.85		
4	14	2760	102.53	35700	1.55	TR , TRF 108	MY 112M4
	18	2110	78.57	34900	2.00		
	20	1940	72.17	26600	1.55	TR , TRF 98	MY 112M4
	27	1430	53.21	24700	2.10		
	30	1280	47.58	24000	2.30		
	45	840	31.40	17400	1.85	TR , TRF 88	MY 112M4
	61	630	23.40	16100	2.50		
	76	505	18.80	10100	1.55	TR , TRF 78	MY 112M4
	101	380	14.05	9380	1.90		
	142	270	10.00	6840	1.75	TR , TRF 68	MY 112M4
	281	136	5.05	3180	2.30	TR TRF 58	MY 112M4
5.5	30	1750	47.63	29500	2.50	TR , TRF 108	MY 132S4
	30	1750	47.58	23000	1.70	TR , TRF 98	MY 132S4
	52	1010	27.58	20100	2.60		
	51	1020	27.84	16100	1.50	TR , TRF 88	MY 132S4
	75	700	19.10	14700	2.10		
	93	565	15.35	13900	2.40		
	107	490	13.33	13400	2.60		
	144	365	9.90	12300	3.30		
	76	690	18.80	9240	1.15	TR , TRF 78	MY 132S4
	102	515	14.05	8950	1.40		
	131	400	10.88	8440	1.65		
	148	355	9.64	8190	1.80		

JMC Gear units with IEC adapter AM

DATA SHEET

P_{1n} [k.W.]	n_2 [r/min]	M_{2n}	i	Fr_2 [N]	fs		
7.5	30	2390	47.63	28500	1.80	TR , TRF 108	MY 132M4
	30	2380	47.58	21800	1.25	TR , TRF 98	MY 132M4
	52	1380	27.58	19400	1.95		
	51	1390	27.84	15200	1.10	TR , TRF 88	MY 132M4
	75	960	19.10	14100	1.50		
	93	770	15.35	12500	1.75		
	107	670	13.33	12900	1.90		
	144	495	9.90	12000	2.40		
	76	940	18.80	5310	0.85	TR , TRF 78	MY 132M4
	102	705	14.05	7180	1.00		
	131	545	10.88	8010	1.20		
	148	485	9.64	7810	1.30		
11	27	3860	52.87	73600	3.40	TR , TRF 148	MY 160M4
	28	3710	50.86	59800	2.20	TR , TRF 138	MY 160M4
	30	3470	47.63	26600	1.25	TR , TR 108	MY 160M4
	49	2150	29.49	24000	2.00		
	72	1460	20.07	21800	2.90		
	52	2010	27.58	18000	1.35	TR , TRF 98	MY 160M4
	71	1470	20.14	16900	1.80		
	98	1070	14.62	15700	2.20		
	133	790	10.83	14600	2.70		
	75	1390	19.10	13000	1.05	TR , TRF 88	MY 160M4
	94	1120	15.35	12500	1.20		
	108	970	13.33	12200	1.30		
	145	720	9.90	11400	1.65		
15	28	5190	52.87	72800	2.50	TR , TRF 148	MY 160L4
	29	4990	50.86	58400	1.60	TR , TRF 138	MY 160L4
	52	2730	27.83	60500	2.80		
	31	4670	47.63	24500	0.90	TR , TRF 108	MY 160L4
	50	2890	29.49	22600	1.50		
	73	1970	20.07	20900	2.20		
	53	2710	27.58	16500	1.00	TR , TRF 98	MY 160L4
	72	1980	20.14	15800	1.30		
	100	1430	14.62	14900	1.60		
	135	1060	10.83	14000	1.95		
	95	1510	15.35	11500	0.90	TR , TRF 88	MY 160L4
	110	1310	13.33	11300	1.00		
	147	970	9.90	10700	1.20		
18.5	29	6130	50.86	56800	1.30	TR , TRF 138	MY 180M4
	33	5350	44.39	58000	1.50		
	50	3560	29.49	21500	1.20	TR , TRF 108	MY 180M4
	59	3000	24.90	20900	1.45		
	73	2420	20.07	20100	1.80		
	100	1760	14.62	14200	1.30	TR , TRF 98	MY 180M4
	135	1310	10.83	13500	1.60		
22	29	7290	50.86	54800	1.10	TR , TRF 138	MY 180L4
	33	6370	44.39	56500	1.25		
	50	4230	29.49	20400	1.00	TR , TRF 108	MY 180L4
	59	3570	24.90	20000	1.20		
	73	2880	20.07	19300	1.50		
	100	2100	14.62	13600	1.10	TR , TRF 98	MY 180L4
	135	1550	10.83	13000	1.35		
30	32	9090	46.65	69000	1.45	TR , TRF 148	MY 200L4
	53	5420	27.83	57900	1.40	TR , TRF 138	MY 200L4
	73	3910	20.07	17600	1.10	TR , TRF 108	MY 200L4
	94	3050	15.65	17100	1.40		
	136	2110	10.83	11800	1.00	TR , TRF 98	MY 200L4
37	32	11200	46.65	65900	1.15	TR , TRF 148	MY 225S4
	53	6690	27.83	55900	1.15	TR , TRF 138	MY 225S4
	73	4820	20.07	16100	0.90	TR , TRF 108	MY 225S4
	94	3760	15.65	15900	1.15		
45	33	13100	44.87	120000	1.35	TR , TRF 168	MY 225M4
	49	8760	29.95	69400	1.50	TR , TRF 148	MY 225M4
	77	5570	19.04	53300	1.45	TR , TRF 138	MY 225M4
	145	2960	10.13	14300	1.45	TR , TRF 108	MY 225M4

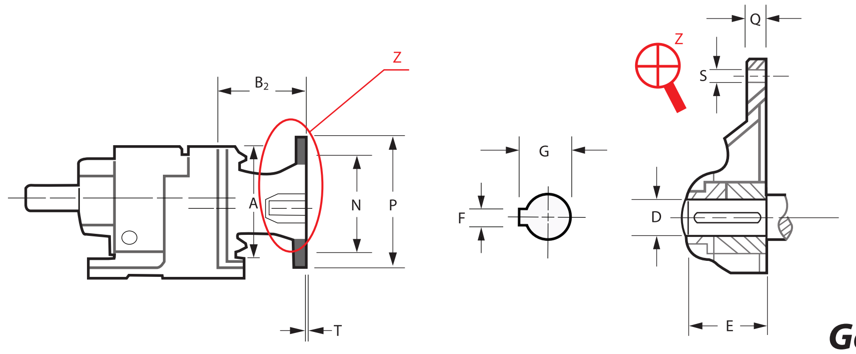


Gear units with Output Shaft

JMC Outline Dimension

SIZE	a / b	e / f	g	h	j	k	m / n	H	L1	L2	O	Shaft dimension: d	Shaft dimension: l	Shaft dimension: l1 / l2	Shaft dimension: s1	Shaft dimension: t / u	Flange dimension: p / q	Flange dimension: l3	Flange dimension: l4	Flange dimension: v / w
TR 28	130	152	75	90	18	Ø 9	27	147	193	199	148	25	50	3.5	M10	28	120	50	8	6.6
TRF 28	110	145					32							40		8	80			100
TR 38	130	160	75	90	18	Ø 9	40	148	201	207	155	25	50	3.5	M10	28	120	50	8	6.6
TRF 38	110	144					35							40		8	80			100
TR 48	165	195	90	115	24	Ø 13.5	50	186	235	235	175	30	60	3.5	M10	33	140	60	10	9
TRF 48	135	170					50							50		8	95			115
TR 58	165	200	100	115	24	Ø 13.5	60	186	257	257	194	35	70	7	M12	38	160	70	10	9
TRF 58	135	190					55							56		10	110			130
TR 68	195	235	100	130	30	Ø 14	60	210	280	280	215	35	70	7	M12	38	200	70	12	11
TRF 68	150	210					60							56		10	130			165
TR 78	205	245	115	140	30	Ø 17.5	60	227	300	300	233	40	80	5	M16	43	250	80	15	13.5
TRF 78	170	227					60							70		12	180			215
TR 88	260	310	140	180	45	Ø 17.5	90	293	372	372	293	50	100	10	M16	59.5	300	100	16	13.5
TRF 88	215	288					75							80		14	230			265
TR 98	310	365	160	225	55	Ø 22	100	367	440	440	343	60	120	5	M20	64	350	120	18	17.5
TRF 98	250	337					90							110		18	250			300
TR 108	370	440	185	250	65	Ø 26	125	406	495	495	404	70	140	7.5	M20	74.5	350	140	15	17.5
TRF 108	290	396					110							125		20	250			300
TR 138	410	490	220	315	70	Ø 33	130	492	589	589	450	90	170	5	M24	95	450	170	15	17.5
TRF 138	340	442					110							160		25	350			300
TR 148	500	590	260	355	80	Ø 39	150	565	695	695	530	110	210	15	M24	116	450	210	22	17.5
TRF 148	380	520					150							180		28	350			400
TR 168	580	670	270	425	100	Ø 39	160	670	790	790	660	120	210	5	M24	127	550	210	25	17.5
TRF 168	500	650					160							200		32	450			500

JMC

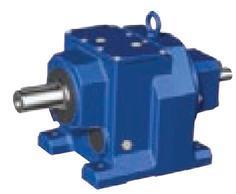


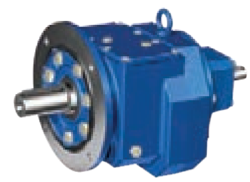
Gear units with IEC adapter AM

TR	AM..	A	B2	D	E	F	G	M	N	P	Q	S	T
TR..28	AM 63	120	72	11	23	4	12.8	115	95	140	10	4 - Ø9	3.5
	AM 71			14	30	5	16.3	130	110	160			
TR..38	AM 80		106	19	40	6	21.8	165	130	200	12	4 - Ø11	4.5
	AM 90			24	50	8	27.3						
TR..48	AM 63	160	66	11	23	4	12.8	115	95	140	10	4 - Ø9	3.5
	AM 71			14	30	5	16.3	130	110	160			
	AM 80		99	19	40	6	21.8	165	130	200	12	4 - Ø11	4.5
TR..58	AM 90			24	50	8	27.3						
	AM 100		134	28	60	8	31.3	215	180	250	15	4 - Ø13.5	5
TR..68	AM 112												
	AM 132 S/M		191	38	80	10	41.3	265	230	300	16		
TR..78	AM 63	200	60	11	23	4	12.8	115	95	140	10	4 - Ø9	3.5
	AM 71			14	30	5	16.3	130	110	160			
	AM 80		92	19	40	6	21.8	165	130	200	12	4 - Ø11	4.5
	AM 90			24	50	8	27.3						
	AM 100		126	28	60	8	31.3	215	180	250	15	4 - Ø13.5	5
	AM 112												
	AM 132 S/M		179	38	80	10	41.3	265	230	300	16		
	AM 132 ML												
TR..88	AM 80	250	87	19	40	6	21.8	165	130	200	12	4 - Ø11	4.5
	AM 90			24	50	8	27.3						
	AM 100		121	28	60	8	31.3	215	180	250	15	4 - Ø13.5	5
	AM 112												
	AM 132 S/M		174	38	80	10	41.3	265	230	300	16		
	AM 132 ML												
	AM 160		232	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
TR..98	AM 100	300	116	28	60	8	31.3	215	180	250	15	4 - Ø13.5	5
	AM 112												
	AM 132 S/M		169	38	80	10	41.3	265	230	300	16		
	AM 132 ML												
	AM 160		227	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
	AM 200		268	55		16	59.3	350	300	400	20		7
TR..108	AM 100	350	110	28	60	8	31.3	215	180	250	15	4 - Ø13.5	5
	AM 112												
	AM 132 S/M		163	38	80	10	41.3	265	230	300	16		
	AM 132 ML												
	AM 160		221	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
	AM 200		262	55		16	59.3	350	300	400	20		7
	AM 225		277	60	140	18	64.4	400	350	450	22	8 - Ø17.5	
TR..138	AM 132 S/M	450	148	38	80	10	41.3	265	230	300	16	4 - Ø13.5	5
	AM 132 ML												
	AM 160		206	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
	AM 200		247	55		16	59.3	350	300	400	20		7
	AM 225		262	60	140	18	64.4	400	350	450	22	8 - Ø17.5	
TR..148	AM 132 S/M	450	148	38	80	10	41.3	265	230	300	16	4 - Ø13.5	5
	AM 132 ML												
	AM 160		206	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
	AM 200		247	55		16	59.3	350	300	400	20		7
	AM 225		1	60	140	18	64.4	400	350	450	22	8 - Ø17.5	
	AM 250		336	65			69.4	265	450	550	25		
	AM 280			75		20	79.9						
TR..168	AM 160	550	198	42	110	12	45.3	300	250	350	18	4 - Ø17.5	6
	AM 180			48		14	51.8						
	AM 200		239	55		16	59.3	350	300	400	20		7
	AM 225		254	60	140	18	64.4	400	350	450	22	8 - Ø17.5	
	AM 250		328	65			69.4	500	450	550	25		
	AM 280			75		20	79.9						

Gear units with AD Input shaft assembly

JMC

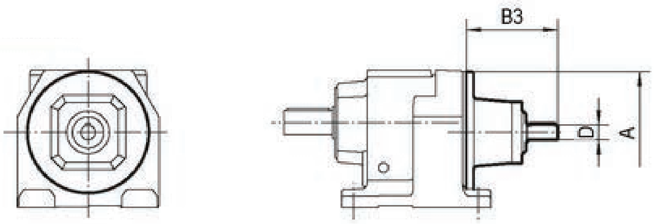


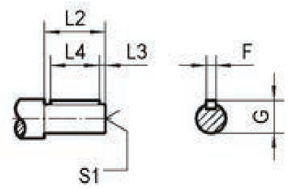


TR..AD *TRF..AD*

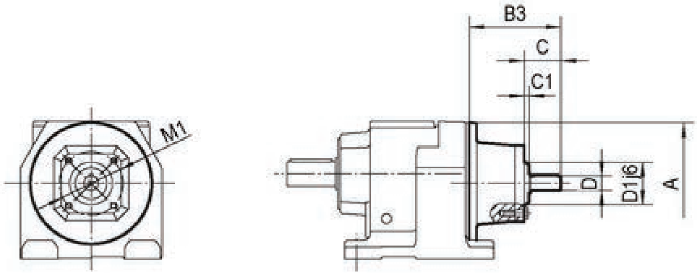
Outline Dimension

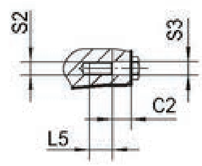
TR..AD





TRF..AD





TR	AD..	A	B3	C	C1	C2	D	D1	F	G	L2	L3	L4	L5	M1	S1	S2	S3
TR..28	AD1	120	102				16		5	18	40	4	32			M5 X 12.5		
TR..38	AD2 , AD2/ZR		130	50	8	13.5	19	55	6	21.5	40	4	32	12	80	M6 X 16	M8	9
TR..48 TR..58 TR..68	AD2 , AD2/ZR	160	123	50	8	13.5	19	55	6	21.5	40	4	32	12	80	M6 X 16	M8	9
	AD3 , AD3/ZR		159	60	8	15.5	24	70	8	27	50	5	40	16	105	M8 X 19	M10	11
TR..78	AD2 , AD2/ZR	200	116	50	8	13.5	19	55	6	21.5	40	4	32	12	80	M6 X 16	M8	9
	AD3 , AD3/ZR		151	60	8	15.5	24	70	8	27	50	5	40	16	105	M8 X 19	M10	11
	AD4 , AD4/ZR		224	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
TR..88	AD2 , AD2/ZR	250	111	50	8	13.5	19	55	6	21.5	40	4	32	12	80	M6 X 16	M8	9
	AD3 , AD3/ZR		156	70	8	15.5	28	70	8	31	60	5	50	16	105	M8 X 19	M10	11
	AD4 , AD4/ZR		219	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
	AD5 , AD5/ZR		292	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
TR..98	AD3 , AD3/ZR	300	151	70	8	15.5	28	70	8	31	60	5	50	16	105	M8 X 19	M10	11
	AD4 , AD4/ZR		214	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
	AD5 , AD5/ZR		287	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
	AD6 , AD6/ZR		327	130.5	11	22.5	48	130	14	51.5	110	10	80	26	200	M16 X 36	M16	17.5
TR..108	AD3 , AD3/ZR	350	145	70	8	15.5	28	70	8	31	60	5	50	16	105	M8 X 19	M10	11
	AD4 , AD4/ZR		208	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
	AD5 , AD5/ZR		281	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
	AD6 , AD6/ZR		321	130.5	11	22.5	48	130	14	51.5	110	10	80	26	200	M16 X 36	M16	17.5
TR..138	AD4 , AD4/ZR	400	201	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
	AD5 , AD5/ZR		274	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
	AD6 , AD6/ZR		314	130.5	11	22.5	48	130	14	51.5	110	10	80	26	200	M16 X 36	M16	17.5
	AD7 , AD7/ZR		308	133	13	19	55	125	16	59	110	10	90	30	190	M20 X 42	M20	22
TR..148	AD4 , AD4/ZR	450	193	95.5	13	16	38	100	10	41	80	5	70	20	130	M12 X 28	M12	13.5
	AD5 , AD5/ZR		266	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
	AD6 , AD6/ZR		306	130.5	11	22.5	48	130	14	51.5	110	10	80	26	200	M16 X 36	M16	17.5
	AD7 , AD7/ZR		300	133	13	19	55	125	16	59	110	10	90	30	190	M20 X 42	M20	22
	AD8 , AD8/ZR		383	155	5	22.5	70	120	20	74.5	140	15	110	19.5	210	M20 X 42	M12	13.5
TR..168	AD5 , AD5/ZR	550	258	126	11	24	42	120	12	45	110	10	70	20	180	M16 X 36	M12	13.5
	AD6 , AD6/ZR		298	130.5	11	22.5	48	130	14	51.5	110	10	80	26	200	M16 X 36	M16	17.5
	AD7 , AD7/ZR		292	133	13	19	55	125	16	59	110	10	90	30	190	M20 X 42	M20	22
	AD8 , AD8/ZR		374	155	5	22.5	70	120	20	74.5	140	15	110	19.5	210	M20 X 42	M12	13.5