

- SERIE MRDV -

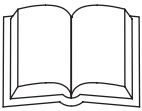
Riduttori a Vite Senza Fine -

MRDV Series Worm-Gear Speed Reducers



ELLE.GI SRL

Organi di Trasmissione



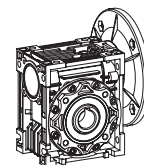
MRDV-MRDV / RDV-MRDV			
AS1	AS2	VS1	VS2
PS1	PS2	BS1	BS2


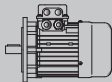

Nel caso non venga specificata la posizione di montaggio, viene considerata standard quella in BS2.

The position of the 1st reducer with respect to the 2nd gear reducer depends on the versions. Unless specified at the time of order, combination groups will be supplied in version BS2. The specified mounting position refers to the 2nd gear reducer, see page 17 for the possible mounting positions.

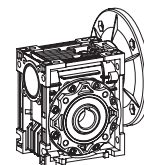
UDL-MRDV			
MRDV...U-B3	B6	V5	V6
B8	B7		


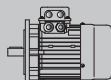

PRESTAZIONI - PERFORMANCE PARAMETER

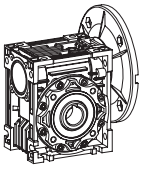


P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.06	0.58	261	2400	3490	0.2	MRDV030+040	5614	72
	0.4	300	3200	3490	0.2			
	0.4	279	4000	3490	0.1			
	0.28	338	5000	3490	0.1			
	1.6	141	900	4840	1	MRDV030+050	5614	72
	1.2	169	1200	4840	0.7			
	0.93	199	1500	4840	0.7			
	0.78	222	1800	4840	0.7			
	0.6	266	2400	4840	0.5			
	0.5	307	3000	4840	0.4			
	0.35	288	4000	4840	0.3			
	0.29	311	4800	4840	0.3			
	0.9	204	1500	6270	1.1	MRDV030+063	5614	72
	0.78	225	1800	6270	0.9			
	0.58	276	2400	6270	0.8			
	0.47	319	3000	6270	0.7			
	0.35	306	4000	6270	0.6			
	0.28	360	5000	6270	0.4			
	0.6	330	2400	7380	1.1	MRDV040+075	5614	73
	0.47	377	3000	7380	0.8			
0.35	355	4000	7380	0.7				
0.28	419	5000	7380	0.5				
0.5	406	3000	8180	1.4	MRDV040+090	5614	73	
0.35	365	4000	8180	1.3				
0.28	431	5000	8180	1				
0.09	373.3	2	7.5	399	3.9	MRDV025	5612	58
	280	2.6	10	439	3.4			
	186.7	3.8	15	503	2.4			
	140	4.9	20	553	1.9			
	93.3	6.7	30	633	1.3			
	70	8.3	40	697	1.1			
	56	10	50	751	0.9			
	186.7	3.9	7.5	503	2.8			
	140	5.1	10	553	2.4			
	93.3	7.3	15	633	1.6			
	70	9.2	20	697	1.3			
	46.7	12	30	798	1.1			
	35	15	40	878	0.9			
	373.3	2	7.5	542	6.5	MRDV030	5612	59
	280	2.6	10	597	5			
	186.7	3.7	15	683	3.5			
	140	4.8	20	752	2.5			


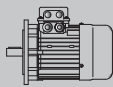

PRESTAZIONI - PERFORMANCE PARAMETER

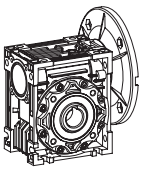


P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs				
0.09	3.5	107	400	4840	1.2	MRDV030+050	5624	72	
	2.8	123	500	4840	1				
	2.3	159	600	4840	0.9				
	1.9	185	750	4840	0.8				
	1.6	212	900	4840	0.7				
	1.6	200	900	6270	1	MRDV030+063	5624	72	
	1.2	263	1200	6270	0.9				
	0.93	305	1500	6270	0.7				
	0.9	360	1500	7380	1.1	MRDV040+075	5624	73	
	0.78	404	1800	7380	1				
	0.58	496	2400	7380	0.7				
	0.5	609	3000	8180	0.9	MRDV040+090	5624	73	
	0.35	548	4000	8180	0.8				
	0.12	373.3	2.7	7.5	399	3	MRDV025	5622	58
		280	3.5	10	439	2.6			
186.7		5	15	503	1.8				
140		6.5	20	553	1.4				
93.3		9	30	633	1				
70		11	40	697	0.8				
186.7		5.2	7.5	683	3.4	MRDV030	6314	59	
140		6.7	10	752	2.7				
93.3		9.5	15	861	1.9				
70		12	20	948	1.5				
56		14	25	1021	1.5				
46.7		16	30	1085	1.3				
35		19	40	1194	0.9				
28		23	50	1286	0.8				
46.7		17	30	2087	2.6	MRDV040	6314	60	
35		21	40	2298	1.9				
28		25	50	2475	1.5				
23.3		28	60	2630	1.3				
17.5		34	80	2895	1				
14		38	100	3118	0.8				
18.7		42	75	2833	1.2	PC063+MRDV040	6314	67	
15.6		46	90	3011	1.2				
11.7		57	120	3314	0.9				
9.3		66	150	3490	0.7				
7.8		74	180	3490	0.6				
23.3		29	60	3610	2.3	MRDV050	6314	61	
17.5		35	80	3973	1.9				
14		40	100	4280	1.4				


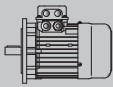



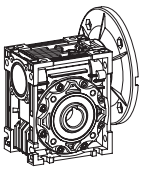
PRESTAZIONI - PERFORMANCE PARAMETER

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.12	9.3	68	150	4840	1.3	PC063+MRDV050	6314	67
	7.8	75	180	4840	1.1			
	5.8	88	240	4840	0.8			
	4.7	98	300	4840	0.7			
	4.7	119	300	4840	1.2	MRDV030+050	6314	72
	3.5	142	400	4840	0.9			
	2.8	164	500	4840	0.7			
	5.8	92	240	6270	1.5	PC063+MRDV063	6314	68
	4.7	103	300	6270	1.2			
	2.8	171	500	6270	1.3	MRDV030+063	6314	72
	2.3	208	600	6270	1.1			
	1.9	241	750	6270	0.9			
	1.6	325	900	7380	1.2	MRDV040+075	6314	73
	1.2	399	1200	7380	0.9			
	0.8	547	1800	8180	0.9	MRDV040+090	6314	73
	0.58	695	2400	8180	0.9			
	0.5	884	3000	10320	1.2	MRDV050+110	6314	73
	0.35	784	4000	10320	1			
	0.28	928	5000	10320	0.8			
0.18	373.3	4	7.5	542	3.2	MRDV030	6312	59
	280	5.2	10	597	2.5			
	186.7	7.5	15	683	1.7			
	140	10	20	752	1.3			
	112	11	25	810	1.4			
	93.3	13	30	861	1.1			
	70	16	40	948	0.9			
	186.7	7.8	7.5	683	2.3	MRDV030	6324	59
	140	10	10	752	1.8			
	93.3	14	15	861	1.3			
	70	18	20	948	1			
	56	21	25	1021	1	MRDV030	6324	59
	46.7	24	30	1085	0.8			
	93.3	14	30	1657	2.4	MRDV040	6312	60
	70	18	40	1824	1.8			
	56	21	50	1964	1.4			
	70	19	20	1824	2	MRDV040	6324	60
	56	23	25	1964	1.7			
	46.7	26	30	2087	1.7			


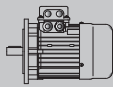



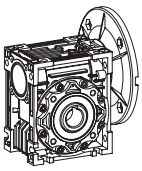
PRESTAZIONI - PERFORMANCE PARAMETER

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs				
0.18	12	97	75	5889	2.2	PC071+MRDV063	7116	68	
	10	107	90	6259	2.4				
	7.5	131	120	6270	1.8				
	6	152	150	6270	1.4				
	5	168	180	6270	1.2				
	3.8	197	240	6270	0.9				
	3	218	300	6270	0.7				
	3.5	222	400	6270	1	MRDV030+063	6324	72	
	2.8	257	500	6270	0.8				
	5	179	180	7380	1.7	PC071+MRDV075	7116	69	
	3.8	211	240	7380	1.2				
	3	235	300	7380	1				
	2.3	362	600	7380	1.1	MRDV040+075	6324	73	
	1.9	435	750	7380	0.9				
	1.6	487	900	7380	0.8				
	1.2	629	1200	8180	1	MRDV040+090	6324	73	
	0.93	735	1500	8180	0.8				
	0.8	861	1800	10320	1.5	MRDV050+110	6324	73	
	0.58	1113	2400	10320	1.1				
	0.25	373.3	5.6	7.5	542	2.3	MRDV030	6322	59
		280	7.2	10	597	1.8			
186.7		10	15	683	1.3				
140		13	20	752	0.9				
112		16	25	810	1				
93.3		18	30	861	0.8				
186.7		11	7.5	1315	3.6	MRDV040	7114	60	
140		14	10	1447	2.8				
93.3		21	15	1657	1.9				
70		27	20	1824	1.5				
56		32	25	1964	1.2				
46.7		36	30	2087	1.3				
35		44	40	2298	0.9				
120		17	7.5	1524	2.6	MRDV040	7126	60	
90		22	10	1677	2				
60		31	15	1920	1.4				
45		40	20	2113	1.1				
36		48	25	2276	0.9				
30		53	30	2419	0.9				
35		42	80	3153	1.1	MRDV050	6322	61	
28		48	100	3397	0.8				


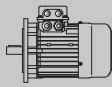



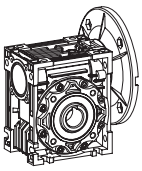
PRESTAZIONI - PERFORMANCE PARAMETER

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.25	11.3	117	80	7103	1.7	MRDV075	7126	63
	9	133	100	7380	1.4			
	9.3	151	150	7380	1.7	PC071+MRDV075	7114	69
	7.8	172	180	7380	1.4			
	5.8	201	240	7380	1.1			
	4.7	230	300	7380	0.9			
	12	139	75	6952	2.4	PC071+MRDV075	7126	69
	10	155	90	7380	2.5			
	7.5	191	120	7380	1.9			
	6	219	150	7380	1.5			
	5	248	180	7380	1.2			
	3.5	336	400	7380	1.1			
	2.8	384	500	7380	0.8			
	5	263	180	8180	1.9	PC071+MRDV090	7126	69
	3.8	318	240	8180	1.4			
	3	358	300	8180	1.1			
	2.3	512	600	8180	1.2	MRDV040+090	7114	73
	1.9	598	750	8180	0.9			
	1.6	667	900	8180	0.8			
	1.2	943	1200	10320	1.3			
0.93	1064	1500	10320	1.2				
0.78	1195	1800	10320	1.1				
0.6	1624	2400	13500	1	MRDV063+130	7114	74	
0.47	1935	3000	13500	0.8				
0.35	2046	4000	13500	0.6				
0.28	2430	5000	13500	0.5				
0.37	373.3	8.4	7.5	1044	3.3	MRDV040	7112	60
	280	11	10	1149	2.6			
	186.7	16	15	1315	1.9			
	140	21	20	1447	1.4	MRDV040	7112	60
	112	25	25	1559	1.1			
	186.7	16	7.5	1315	2.4	MRDV040	7124	60
	140	21	10	1447	1.9			
	93.3	31	15	1657	1.3			
	70	39	20	1824	1			
	56	47	25	1964	0.8			
	46.7	53	30	2087	0.8			


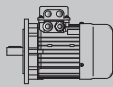



PRESTAZIONI - PERFORMANCE PARAMETER

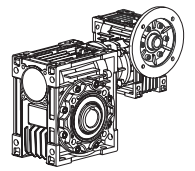
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	Fr_2 [N]	fs			
0.37	18	126	50	6073	1.8	MRDV075	8016	63
	15	144	60	6453	1.5			
	11.3	173	80	7103	1.2			
	9	196	100	7380	1			
	18.7	138	75	6000	1.8	PC071+MRDV075	7124	69
	15.6	154	90	6375	1.9			
	11.7	191	120	7017	1.5			
	9.3	223	150	7380	1.1			
	7.8	254	180	7380	0.9			
	12	206	75	6952	1.6	PC080+MRDV075	8016	69
	10	230	90	7380	1.7			
	7.5	283	120	7380	1.3			
	6	324	150	7380	1			
	4.7	405	300	7380	1	MRDV040+075	7124	73
	3.5	498	400	7380	0.7			
	11.3	185	80	7859	1.7	MRDV090	8016	64
	9	212	100	8180	1.3			
	7.8	268	180	8180	1.5	PC071+MRDV090	7124	69
	5.8	321	240	8180	1.1			
	4.7	371	300	8180	0.9			
6	347	150	8180	1.6	PC080+MRDV090	8016	70	
5	389	180	8180	1.3				
3.8	471	240	8180	1				
4.7	402	300	8180	1.5	MRDV040+090	7124	73	
3.5	523	400	8180	1.2				
2.8	611	500	8180	0.9				
2.3	757	600	8180	0.8				
3.8	509	240	10320	1.6	PC080+MRDV110	8016	70	
3	577	300	10320	1.3				
1.9	950	750	10320	1.3	MRDV050+110	7124	73	
1.6	1079	900	10320	1.2				
1.2	1396	1200	10320	0.8				
0.9	1674	1500	13500	1.1	MRDV063+130	7124	74	
0.78	1887	1800	13500	0.9				
0.55	373.3	13	7.5	1044	2.2	MRDV040	7122	60
	280	17	10	1149	1.8			
	186.7	24	15	1315	1.3			
	140	31	20	1447	0.9			
	112	37	25	1559	0.8			



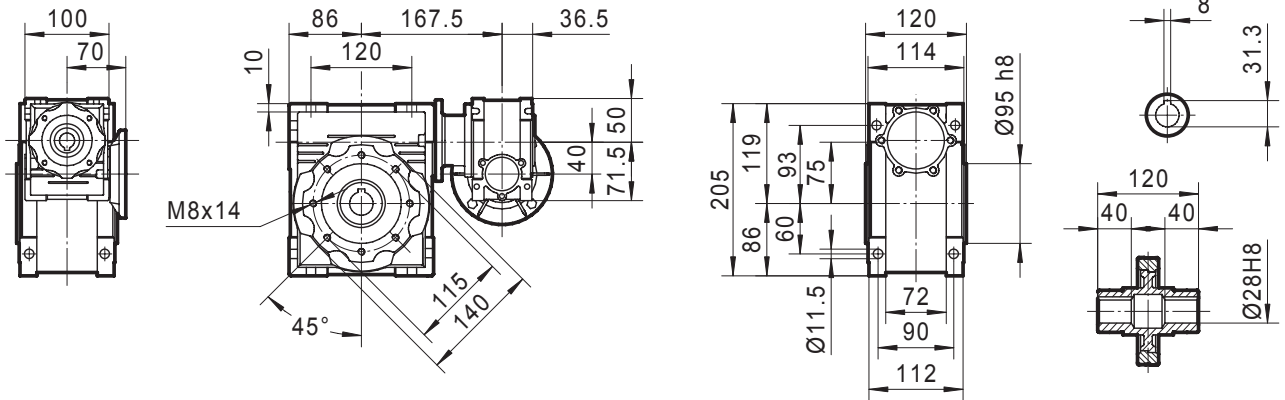
PRESTAZIONI - PERFORMANCE PARAMETER

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	i	F_{r2} [N]	f_s			
0.55	30	128	30	5122	2	MRDV075	8026	65
	22.5	159	40	5637	1.5			
	18	187	50	6073	1.2			
	15	214	60	6453	1			
	18.7	205	75	6000	1.2	PC080+MRDV075	8014	69
	15.6	230	90	6375	1.3			
	11.7	284	120	7017	1			
	9.3	332	150	7380	0.8			
	12	306	75	6952	1.1	PC080+MRDV075	8026	69
	10	341	90	7380	1.1			
	17.5	189	80	6783	1.5	MRDV090	8014	64
	14	221	100	7306	1.2			
	18	198	50	6719	2	MRDV090	8026	64
	15	224	60	7140	1.6			
	11.3	275	80	7859	1.1			
	9	315	100	8180	0.9			
	15.6	240	90	7054	2.3	PC080+MRDV090	8014	70
	11.7	297	120	7764	1.6			
	9.3	355	150	8180	1.3			
	7.8	398	180	8180	1			
10	357	90	8174	2	PC080+MRDV090	8026	70	
7.5	441	120	8180	1.4				
6	516	150	8180	1.1				
5	578	180	8180	0.9				
9.3	306	300	8180	2	MRDV040+090	7122	73	
7	403	400	8180	1.5				
5.6	470	500	8180	1.2				
17.5	201	80	8571	2.6	MRDV110	8014	65	
14	236	100	9232	2				
11.3	294	80	9931	1.9	MRDV110	8026	65	
9	338	100	10320	1.5				
7.8	425	180	10320	1.8	PC080+MRDV110	8014	70	
5.8	513	240	10320	1.3				
4.7	597	300	10320	1				
7.5	462	120	10320	2.6	PC080+MRDV110	8026	70	
6	552	150	10320	2				
5	620	180	10320	1.6				
3.8	756	240	10320	1.1				

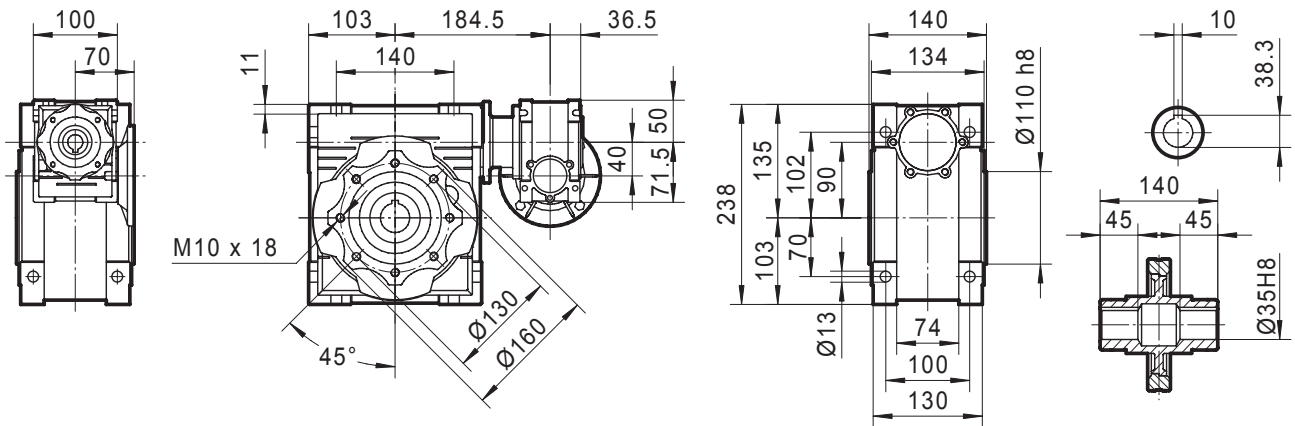
Dimensioni Combinati - MRDV SERIES DIMENSIONS



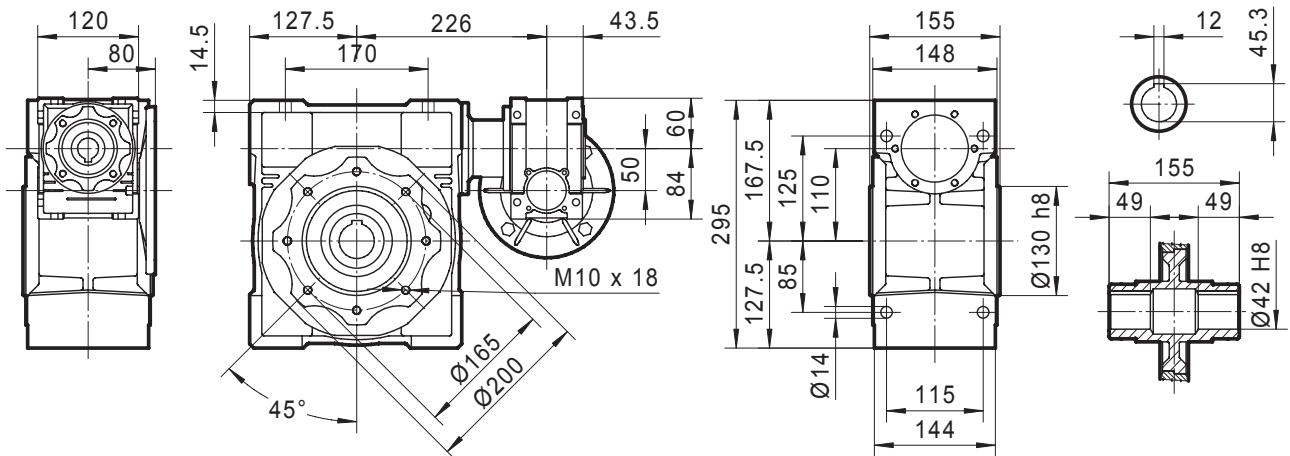
MRDV 040 + 075



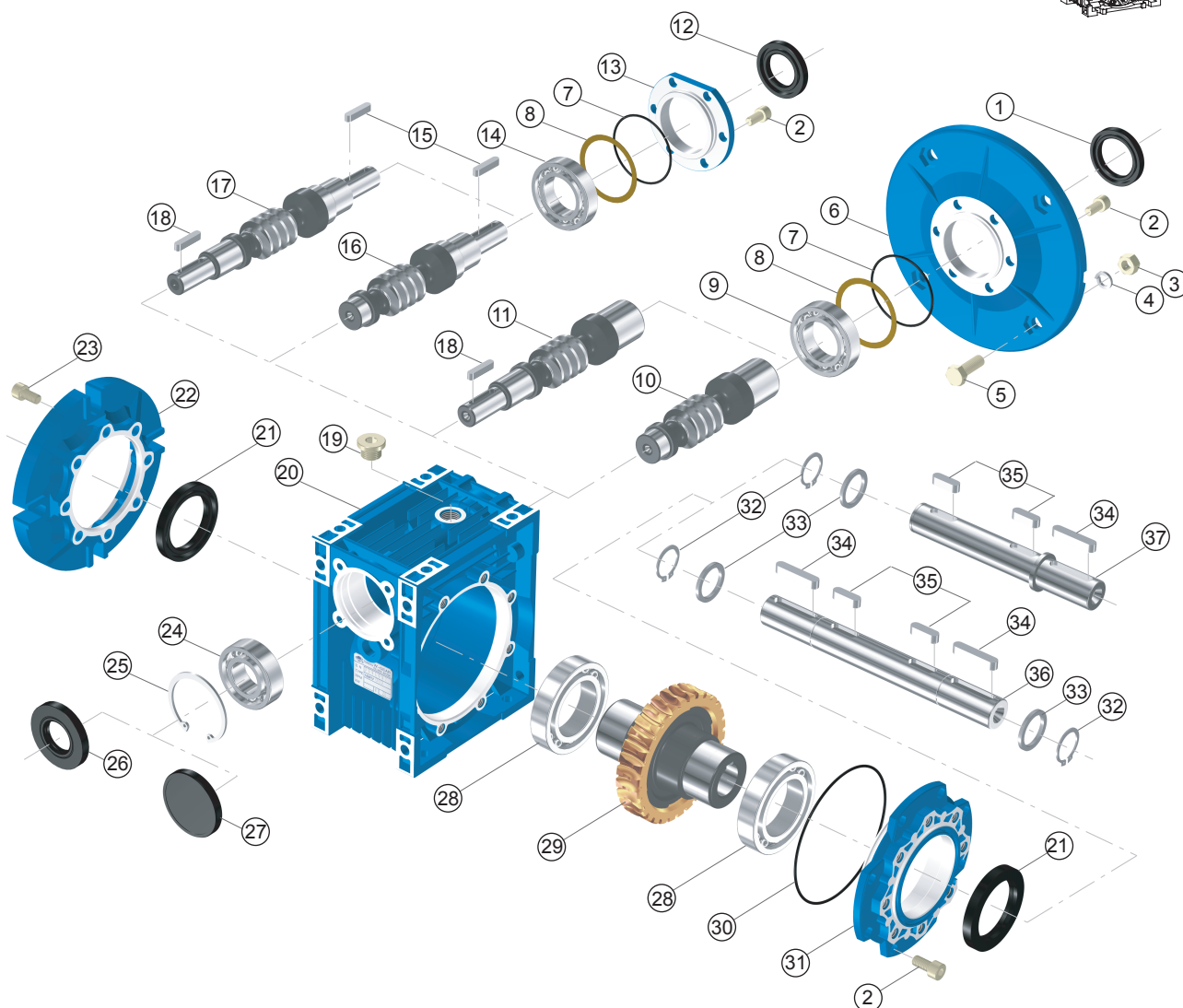
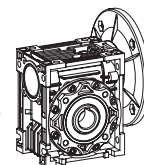
MRDV 040 + 090



MRDV 050 + 110



Esplso e parti di ricambio - EXPLODED VIEW & NAME OF PARTS



- 1. Anello di tenuta** - oil seal
- 2. Vite** - inner hex screw
- 3. Dado** - nut
- 4. Rondella** - spring washer
- 5. Bullone** - hex screw
- 6. Flangia in ingresso** - input flange
- 7. O-Ring** - O-Ring
- 8. Distanziale** - adjust spacer
- 9. Cuscinetto** - bearing
- 10. Vite forata in ingresso** - hole input worm
- 11. Vite cilindrica in ingresso e albero maschio** - hole input and shaft & output worm
- 12. Anello di tenuta** - oil seal
- 13. Coperchio in ingresso** - input cover
- 14. Cuscinetto** - Bearing
- 15. Chiavetta** - key
- 16. Albero in ingresso** - shaft input worm
- 17. Albero in ingresso e vite in uscita** - shaft input and shaft output worm
- 18. Chiavetta** - key

- 19. Tappo per olio** - oil plug
- 20. Carcassa** - casing
- 21. Anello di tenuta** - oil seal
- 22. Flangia in uscita** - output flange
- 23. Bullone** - inner hex screw
- 24. Cuscinetto** - bearing
- 25. Seeger** - hole-circlip
- 26. Anello di tenuta** - oil seal
- 27. Coperchio** - cover
- 28. Cuscinetto** - bearing
- 29. Vite** - worm wheel
- 30. O-Ring** - O-Ring
- 31. Coperchio in uscita** - output cover
- 32. Seeger albero** - shaft-circlip
- 33. Distanziale** - spacer
- 34. Chiavetta** - key
- 35. Chiavetta** - key
- 36. Albero bisporgente in uscita** - double output shaft
- 37. Albero sporgente in uscita** - single output shaft