General data

KRP2				M	R
Weight	m	kg	1 Stage	46	53
			2 Stages	49	56
Efficiency	η	%	1 Stage	96	94
			2 Stages	93	91
Backlash	J	arcmin	Standard	3	4
			Reduced	1	2
Color				RAL2012	

Pinion features

Tooth type			Helical	Straight
Module	Mo	mm	4	4
Helix angle (left)	β	deg	19°31'42"	0°
Number of teeth	Z2	-	18	19
Pressure angle	α	deg	20°	20°
Theoretical pitch diameter	D02	mm	76,39	76,00
Addendum modification factor	x0	-	0,638	0,688
Pinion quality grade	Q	(ISO 1328)	6	6
Surface hardness	HRC	HRC	61-63	61-63

Rack features

			Helical	Straight
	F2B	N	28552	24705
	F2NOT	N	57103	42966
	Material		C45E DIN 1.1191	
	F2B	N	35138	N/A
	F2NOT	N	76388	N/A
	Material			16MnCr5
Available length	L	mm	500, 1000, 2000	
Dimensions			see details p123-125	

Drive linear features

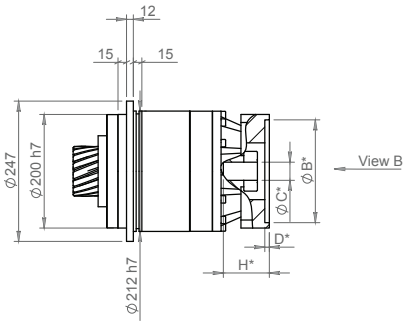
Ratio			5	7	10	17	21	31	46	61	91
Nominal feed force	F2N	N	25002	24871	25813	25395	20944	31416	29348	32254	29007
Peak acceleration feed force	F2B	N	43753	43524	45173	44440	36652	54978	51358	56444	50763
Max. acceleration feed force	F2B_max	N	87506	87048	90347	88881	73304	109956	102717	112888	101526
E-stop force	F2NOT	N	102717	112888	101526	71995	71995	71995	71995	71995	71995
Max. linear speed	V2B	m/min	192	137	96	85	69	46	31	24	16
Nominal linear speed	V2N	m/min	62	45	31	30	24	16	11	8	6
Linear stiffness on the rack	K2T +M	N/µm	331	317	288	276	276	291	278	288	275
	K2T +R	N/µm	302	270	218	197	251	273	273	285	275
Inertia	I +M	kg.mm²	2559	1740	1308	816	721	662	634	595	588
	I +R	kg.mm²	6200	5406	4977	735	651	592	563	525	518

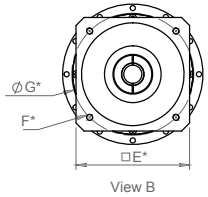
KRP ratings

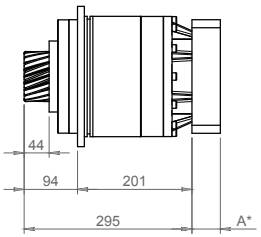
Ratio			5	7	10	17	21	31	46	61	91
Nominal ouput torque	T2N	Nm	955	950	986	970	800	1200	1121	1232	1108
Max. ouput torque	T2B	Nm	1671	1663	1726	1698	1400	2100	1962	2156	1939
No load torque	T01 +M	Nm	8	8	8	2	2	2	2	2	2
	T01 +R	Nm	8,8	8,8	8,8	2,3	2,3	2,3	2,3	2,3	2,3
E-stop torque	T2NOT	Nm	2750	2750	2750	2750	2750	2750	2750	2750	2750
Max. input speed	n1B	rpm	4000	4000	4000	6000	6000	6000	6000	6000	6000
Nominal input speed	n1N	rpm	1300	1300	1300	2100	2100	2100	2100	2100	2100
Radial stiffness	K2R	N/µm	650	650	650	650	650	650	650	650	650
Axial stiffness	K2A	N/µm	2162	2162	2162	2162	2162	2162	2162	2162	2162
Torsional stiffness	C2t +M	Nm/ rad	1220400	1100079	886939	814746	814746	904127	825059	883501	807870
		Nm/arcmin	355	320	258	237	237	263	240	257	235
	C2t +R	Nm/ rad	1038200	928192	749429	677236	677236	794120	794120	866312	804433
		Nm/arcmin	302	270	218	197	197	231	231	252	234

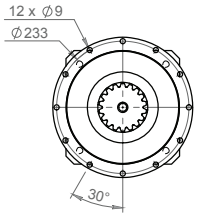
Dimensions and main data for information only - Please consult us and / or refer to Products Datasheets
For accurate selection, contact your local supplier

DIMENSIONS - TYPE **M 1 stage**





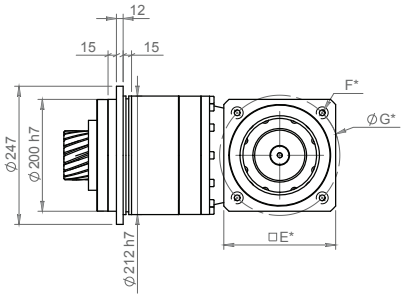


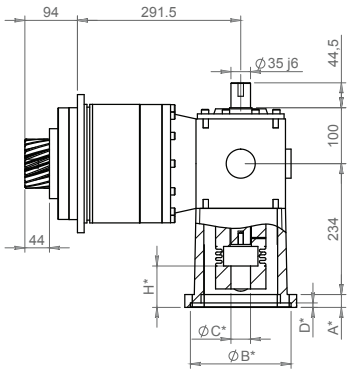


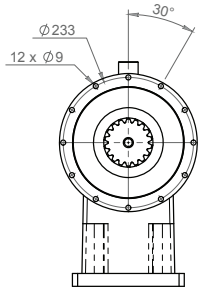
	IFC 140 22/32	IFC 200 22/48	IFC 260 35/48
A	42	50	51
E	140	200	260
H	73	81	82

*B C D F G According to motor dimensions
Tapping depth =1.5x0 thread

DIMENSIONS - TYPE **R 1 stage**







	MF4 200	MF4 260
A	23	23
E	200	260
H	110	110

*B C D F G According to motor dimensions
Tapping depth =1.5x0 thread

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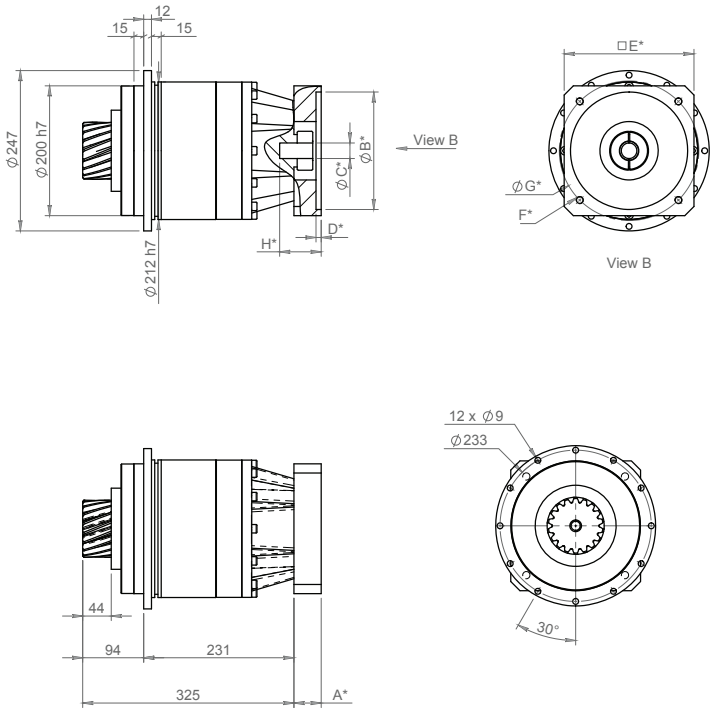
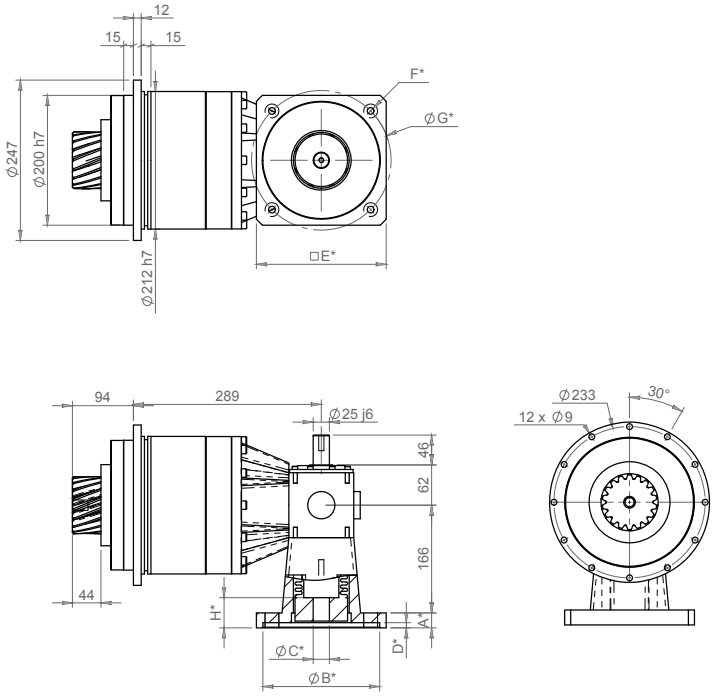
DIMENSIONS - TYPE **M 2 stages**



	IFB 140 14/24	IFB 140 28/38	IFB 200 28/38	IFB 260 28/38
A	37	42	57	64
E	140	140	200	260
H	59	65	80	87

*B C D F G According to motor dimensions
Tapping depth =1.5x0 thread

DIMENSIONS - TYPE **R 2 stages**



	MF2 140	MF2 200
A	23	23
E	140	200
H	80	80

*B C D F G According to motor dimensions
Tapping depth =1.5x0 thread

Dimensions and main data for information only - Please consult us and / or refer to Products Datasheets
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