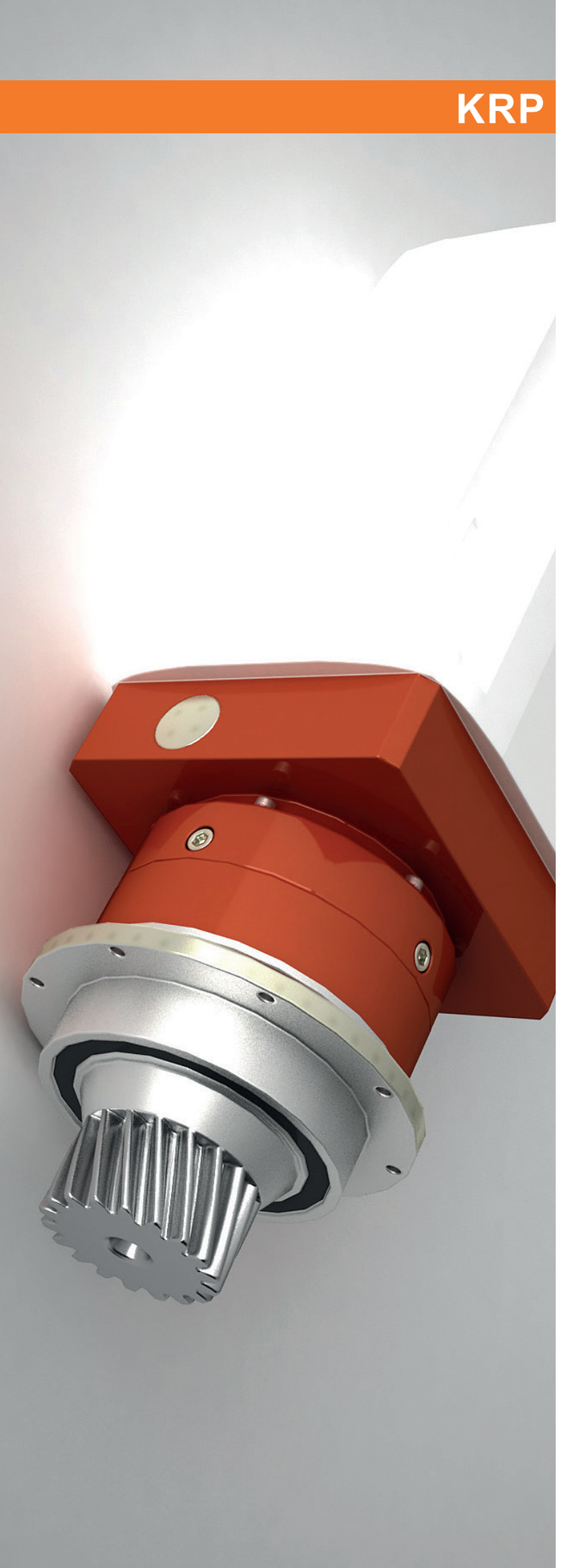


General data

KRP0+				M	R
Weight	**m**	kg	1 Stage	8	14
			2 Stages		
Efficiency	**η**	%	1 Stage	96	94
			2 Stages		
Backlash	**J**	arcmin	Standard	3	4
			Reduced	1	2
Color				RAL2002	

Pinion features

Tooth type	Helical		14	18
Module	**Mo**	mm	3	3
Helix angle (left)	**β**	deg	19°31'42"	19°31'42"
Number of teeth	**Z2**	-	14	18
Pressure angle	**α**	deg	20	20
Theoretical pitch diameter	**D02**	mm	44,563	57,296
Addendum modification factor	**x0**	-	0,3061	0,118
Pinion quality grade	**Q**	(ISO 1328)	6	6
Surface hardness	**HRC**	HRC	61-63	61-64

Rack features

Version			Helical
Standard	**F2B**	N	15939
	F2NOT	N	31878
	Material		C45E DIN 1.1191
Reinforced	**F2B**	N	19562
	F2NOT	N	48904
	Material		16MnCr5
Available length	**L**	mm	500, 1000, 2000
Dimensions			see catalog p112-115

Drive linear features

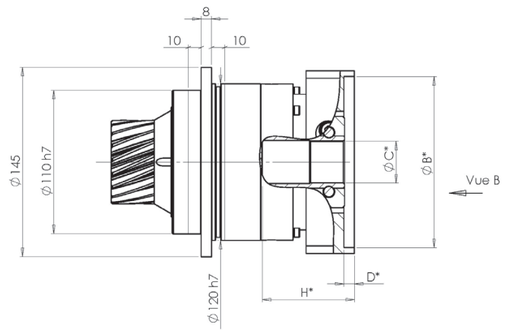
Ratio			5		7		10	
Tooth type	**Helical**		**14**	**18**	**14**	**18**	**14**	**18**
Nominal feed force	**F2N**	N	8977	6982	8977	6982	8977	6982
Peak acceleration feed force	**F2B**	N	15709	12218	15709	12218	15709	12218
Max. acceleration feed force	**F2B_max**	N	31417	24435	31417	24435	31417	24435
E-stop force	**F2NOT**	N	28051	21817	28051	21817	28051	21817
Max. linear speed	**V2B**	m/min	168	217	120	155	84	109
Nominal linear speed	**V2N**	m/min	56	73	40	52	28	37
Linear stiffness on the rack	**K2T +M**	N/µm	100	100	97	97	91	91
	K2T +R	N/µm	80	80	72	72	64	64
Inertia	**I +M**	kg.mm²	354	354	306	306	277	277
	I +R	kg.mm²	609	609	561	561	537	537

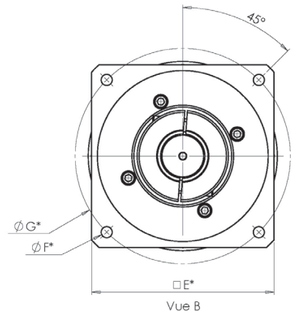
KRP ratings

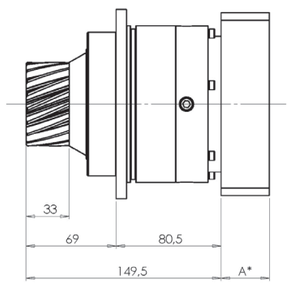
Ratio			5	7	10
Nominal ouput torque	**T2N**	Nm	200	200	200
Max. ouput torque	**T2B**	Nm	350	350	350
No load torque	**T01 +R**	Nm	3	3	3
No load torque	**T01 +M**	Nm	2	2	2
E-stop torque	**T2NOT**	Nm	625	625	625
Max. input speed	**n1B**	rpm	6000	6000	6000
Nominal input speed	**n1N**	rpm	2000	2000	2000
Radial stiffness	**K2R**	N/µm	160	160	160
Axial stiffness	**K2A**	N/µm	570	570	570
Torsional stiffness	**C2t +R**	Nm/ rad	137510	120321	106570
		Nm/arcmin	40	35	31
	C2t +M	Nm/ rad	189076	168450	137510
		Nm/arcmin	55	49	40

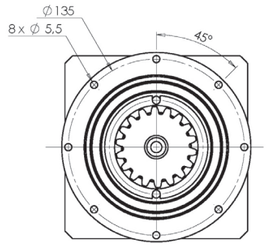
REDEX
The Machine Drives Company

DIMENSIONS - TYPE **M 1 stage**





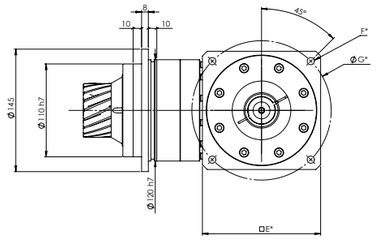


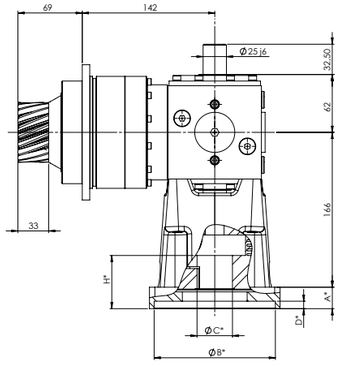


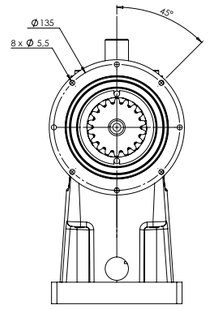
	IFB 140 14/24	IFB 140 28/38	IFB 200 28/38	IFB 260 28/38
A	37	42	57	64
E	140	140	200	260
H	59	65	80	87

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

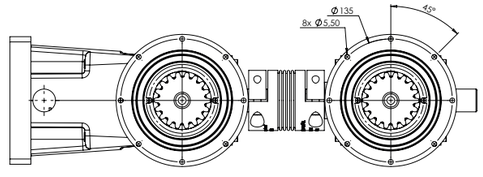
DIMENSIONS - TYPE **R 1 stage**

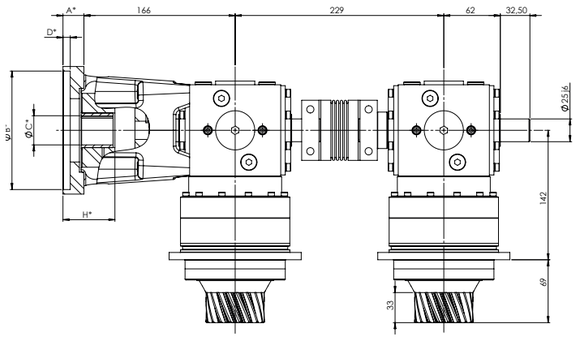


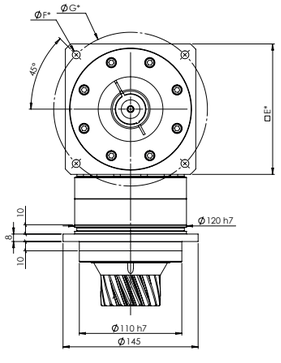




TYPE **R Dual**







	MF3 140	MF3 200	MF3 260
A	21	21	24
E	140	200	260
H	80	80	83

*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
For accurate selection, contact your local supplier