



ROTATORS

Ferrari International can provide a wide range of **hydraulic rotators, both shaft or flanged type.**

Compatible with every model of crane or operating machine, they are built with highly resistant materials and are available with loading capacities from **1.5 to 12 tons** and with **4 or 6 way hydraulic setup.**

Furthermore, we can also provide mechanical rotators and **rotating and/or tilting hooks**, suitable for lifting heavy loads or bottle recycling banks.

KEY

The maximum pressure is indicated in the product table, divided as follows:

GC: Grapple Closed

GO: Grapple Open

R: Rotation



FR

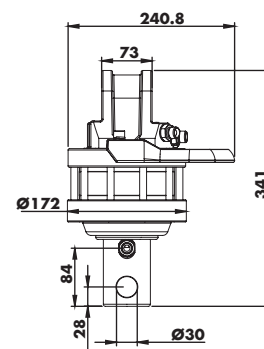
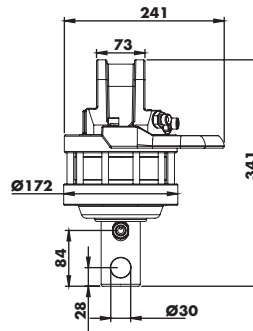
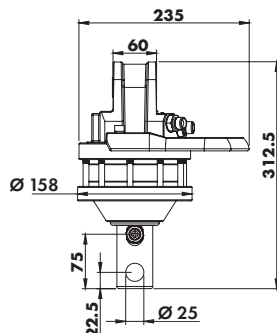
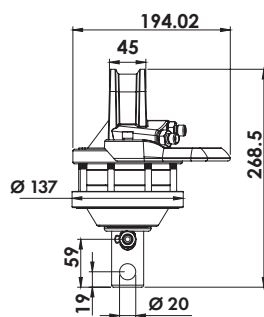
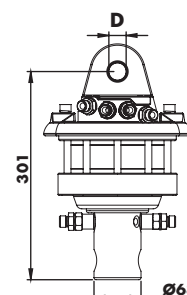
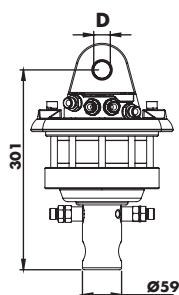
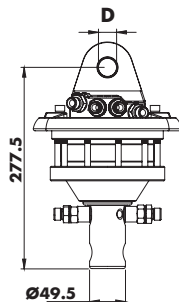
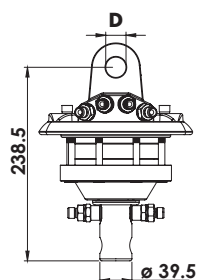


FR 15

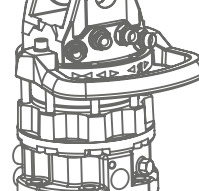
FR 35

FR 50

FR 55



MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 15	1200	600	10	300	250	200	360° cont.	500	10	25
FR 35	3500	1750	17	300	250	200	360° cont.	900	20	25
FR 50	5000	2500	25	300	250	200	360° cont.	1100	20	25
FR 50/30	5000	2500	25	300	250	200	360° cont.	1100	20	30
FR 55	5500	2700	28	300	250	200	360° cont.	1300	20	25
FR 55/30	5500	2700	28	300	250	200	360° cont.	1300	20	30



FR



04

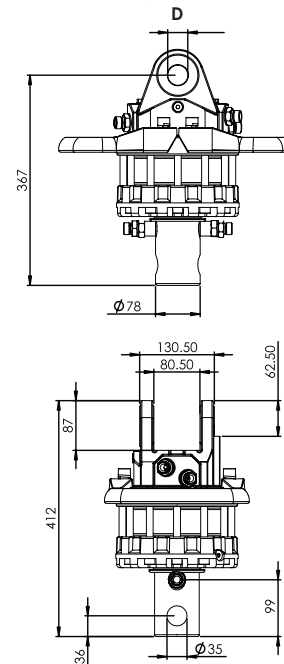
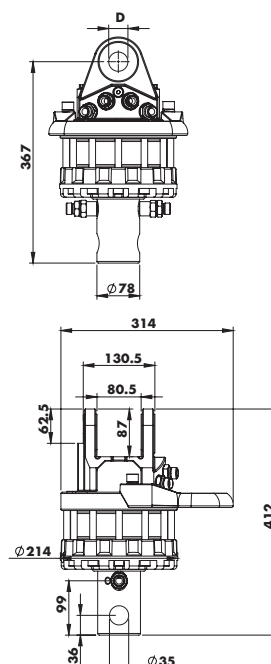
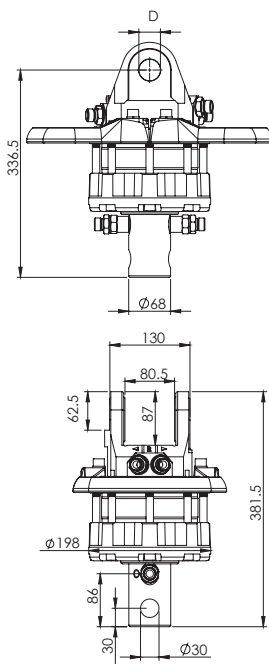
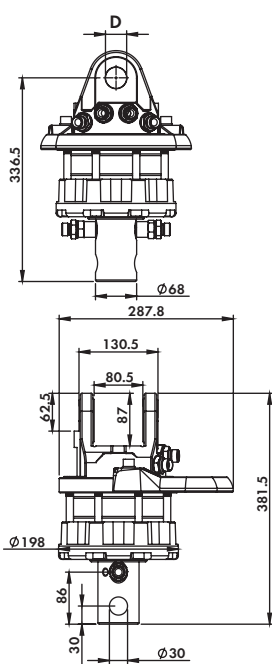


FR 85 SX

FR 85 SX/2

FR 128 SX

FR 128 SX/2

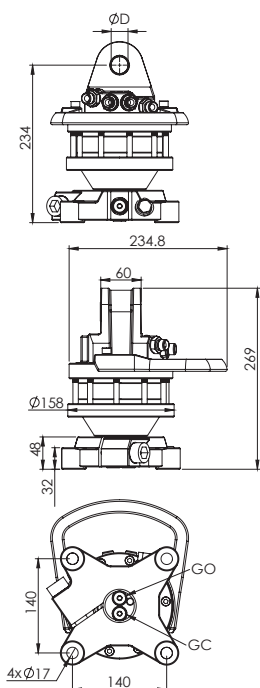


MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 85 SX	7000	3500	36	300	250	200	360° cont.	1900	25	35
FR 85 SX/2	7000	3500	38	300	250	200	360° cont.	1900	25	35
FR 128 SX	12000	6000	48	300	250	300	360° cont.	2700	30	35
FR 128 SX/2	12000	6000	51	300	250	300	360° cont.	2700	30	35

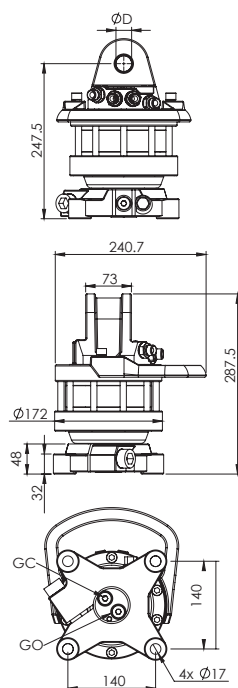
FR F



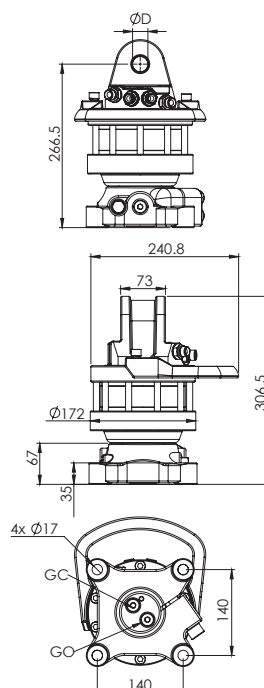
FR 35 F



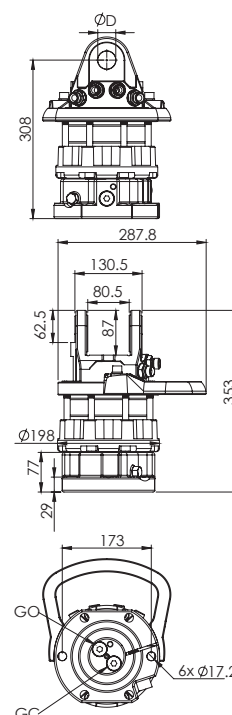
FR 50 F



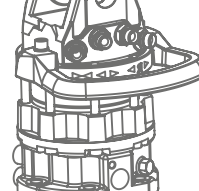
FR 55 F



FR 85 SXF



MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 35 F	3500	1750	22	300	250	200	360° cont.	900	20	25
FR 50 F	5000	2500	28	300	250	200	360° cont.	1100	20	25
FR 50 F/30	5000	2500	28	300	250	200	360° cont.	1100	20	30
FR 55 F	5500	2700	33	300	250	200	360° cont.	1300	20	25
FR 55 F/30	5500	2700	33	300	250	200	360° cont.	1300	20	30
FR 85 SXF	7000	3500	41	300	250	200	360° cont.	1900	25	35

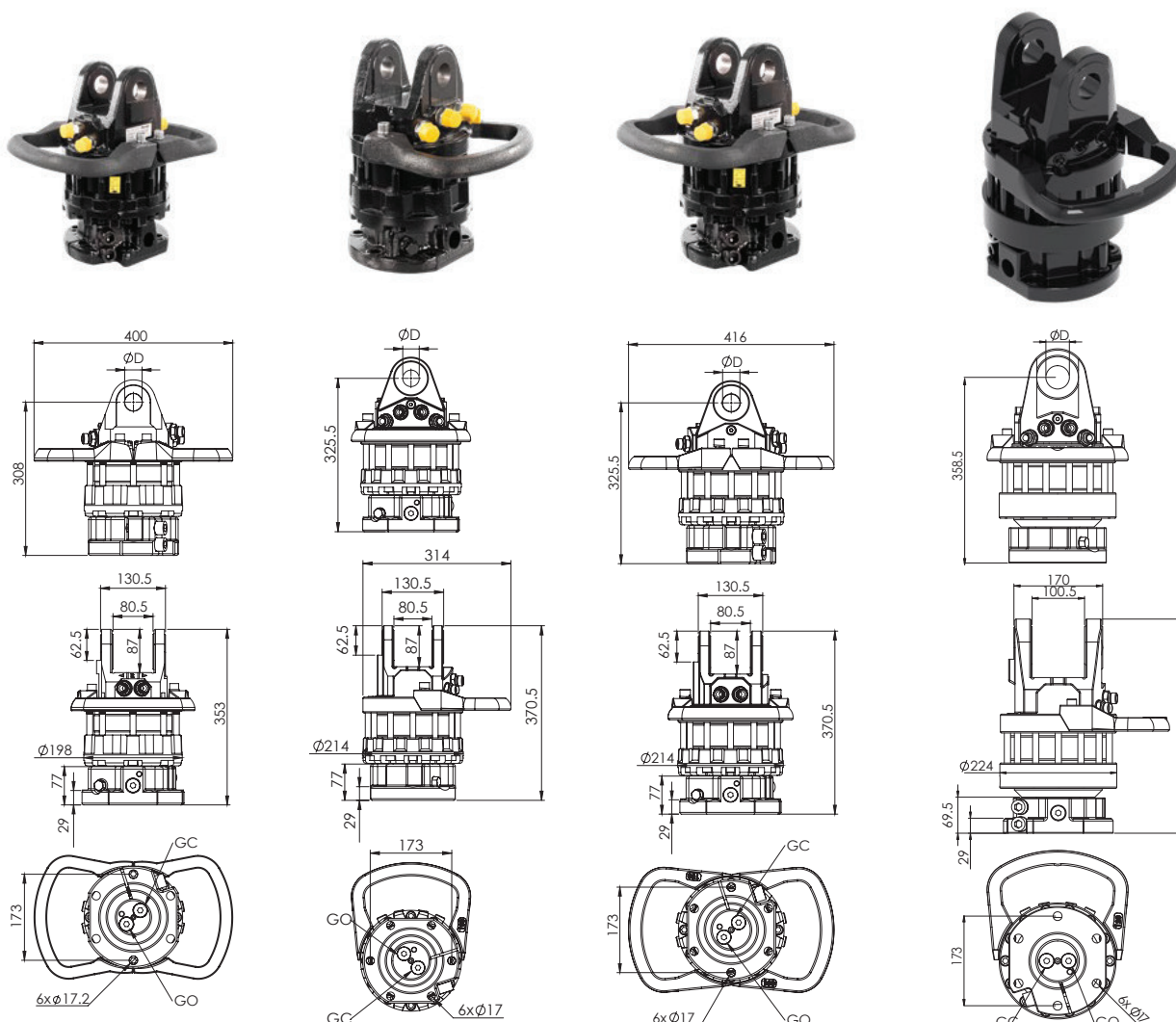


FR F



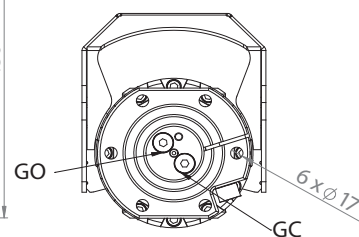
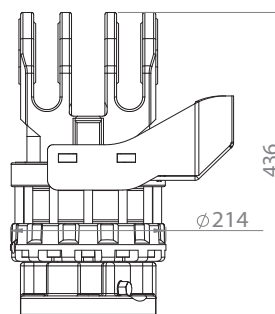
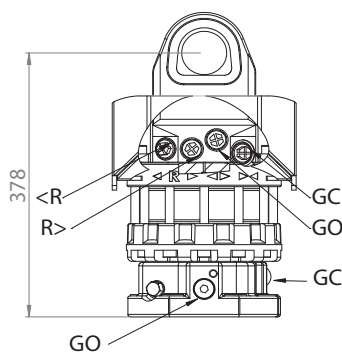
FR 85 SXF/2 FR 128 SXF FR 128 SXF/2 FR 165 SXF

04



MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 85 SXF/2	7000	3500	44	300	250	200	360° cont.	1900	25	35
FR 128 SXF	12000	6000	56	300	300	300	360° cont.	2700	30	35
FR 128 SXF/2	12000	6000	59	300	300	300	360° cont.	2700	30	35
FR 165 SXF	16000	6000	67	300	250	300	360° cont.	3300	25	45

FR 140 F4 - SX



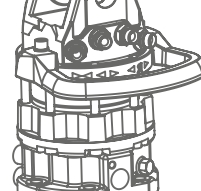
MODEL	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW
	kg	kg	kg	bar				Nm	l/min
				GC	R	GO			
FR 140 F4 - SX	10000	5000	59	300	250	300	360° cont.	2700	25

EPSILON VERSION LINK



UNIVERSAL VERSION LINK





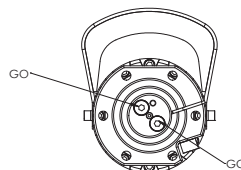
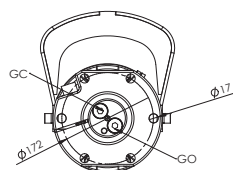
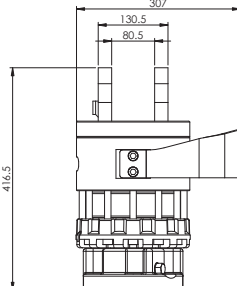
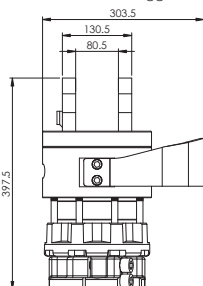
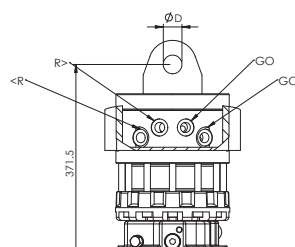
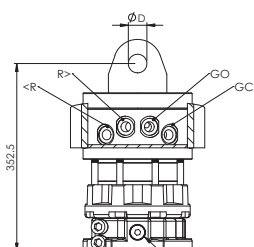
FR EXF



FR 85 EXF

FR 128 EXF

04



These two models of flanged rotators, with 7 and 12 tons load capacities, **have been specifically designed for excavator use**, however they can be used on other types of machines as well.

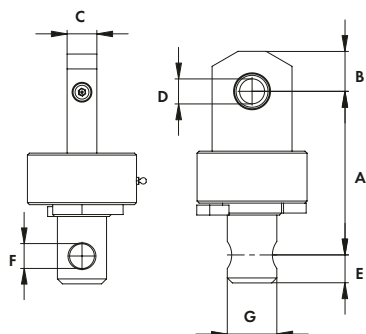
They are in fact produced **with a steel head and welded lumps**, instead of a cast-iron head: this new solution allows for a **greater resistance to impact stress** caused by heavy-duty use.

MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg		kg	bar			Nm	l/min	mm
				GC	R	GO				
FR 85 EXF	7000	3500	55	300	250	200	360° cont.	1900	25	35
FR 128 EXF	12000	6000	62	300	250	200	360° cont.	2700	30	35

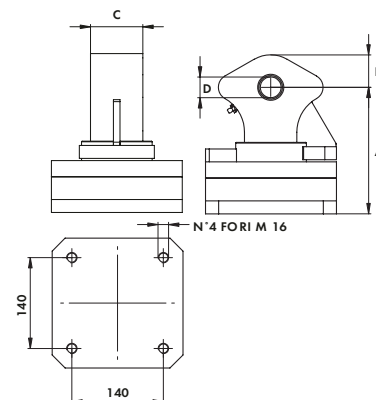
MECHANICAL ROTATORS



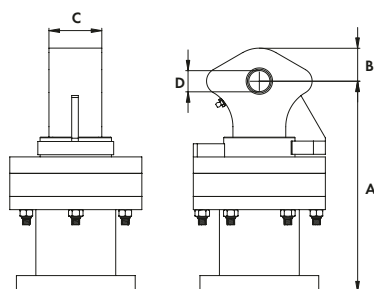
FR MA



FR F

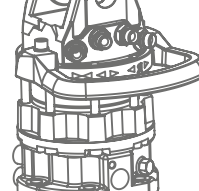


FR I



MODELS	LOAD kg	WEIGHT kg	ROTATION	A mm	B mm	C mm	D mm	E mm	F mm	G mm
FR 10 MA	1000	7	250°	166	38	30	25	28	25	49,5
FR 20 F	2000	17	250°	210	50	60	30			
FR 40 F	4000	33	250°	200	50	80	30			
FR 40 I	4000	40	250°	320	50	80	32			

SIX WAY FLANGED ROTATORS

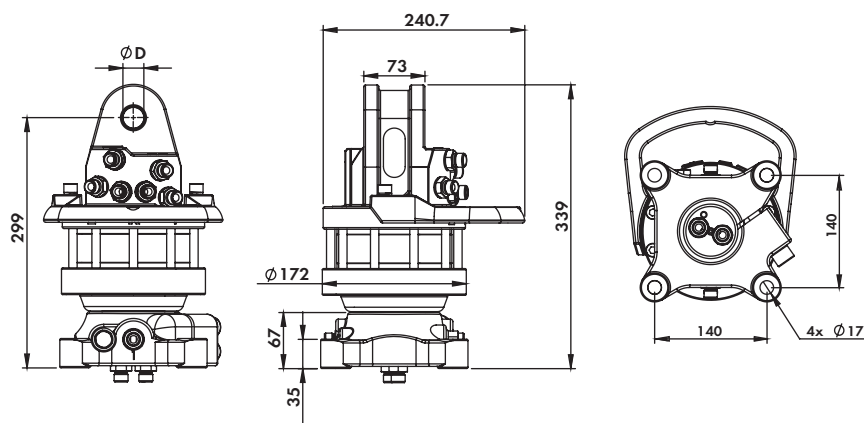


FR F S6X

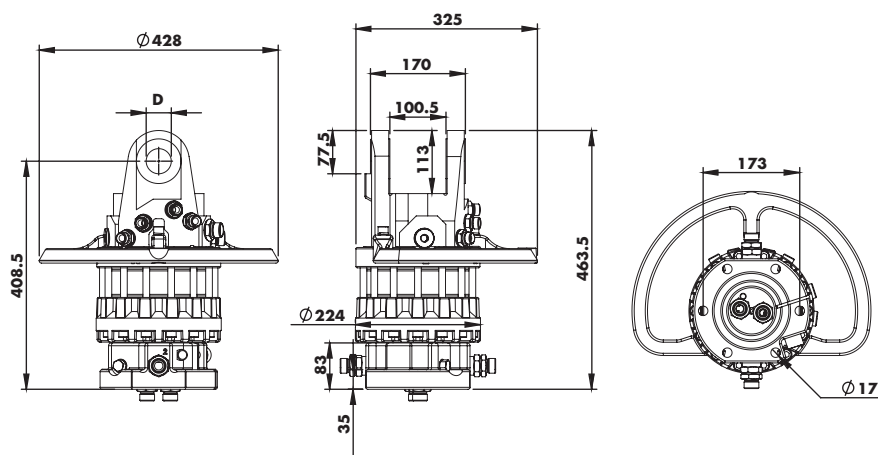
FR 50 F S6X



04



FR 128 F S6X

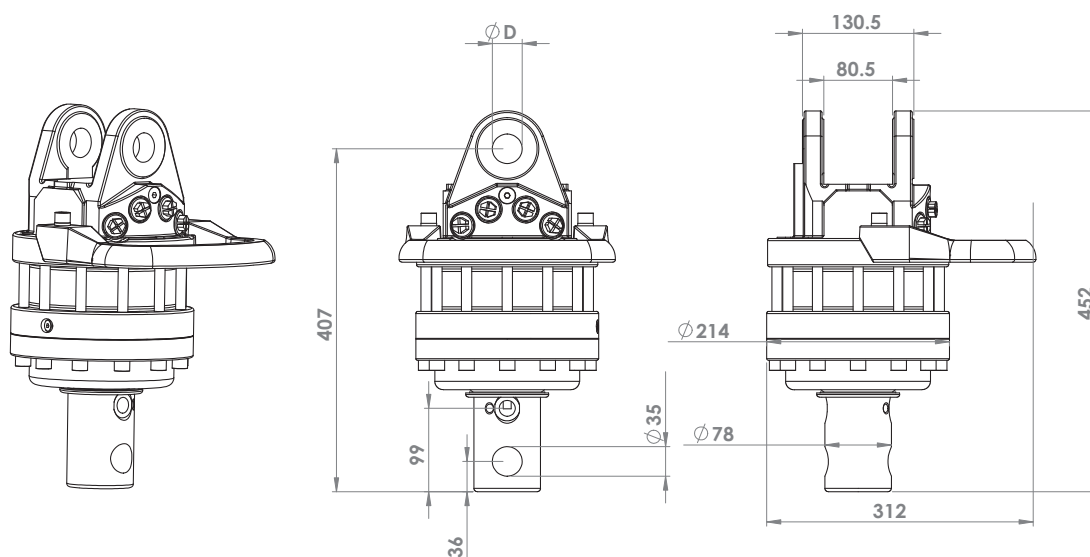


MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 50 F S6X	5000	2500	36	300	250	200	360° cont.	1100	20	25
FR 128 F S6X*	12000	6000	78	300	250	200	360° cont.	2900	30	45

*With Double Bearing

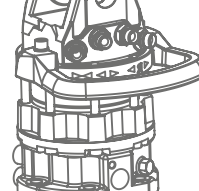
FR 128 BRX

ROTATOR WITH BRAKE



The new shaft rotator **FR 128 BRX** features an **integrated brake**. This allows a more **precise control of rotation** even with higher loads.

MODELS	STATIC LOAD	DYNAMIC LOAD	WEIGHT	PRESSURE			ROTATION	TORQUE	OIL FLOW	D
	kg	kg	kg	bar				Nm	l/min	mm
				GC	R	GO				
FR 128 BRX	10000	5000	51	300	250	300	360° cont.	2700	25	35



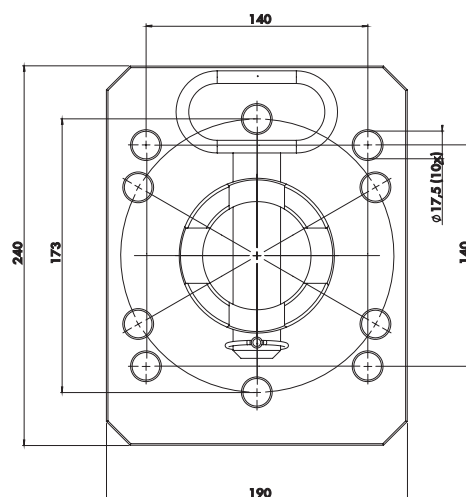
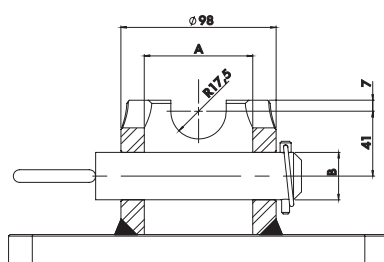
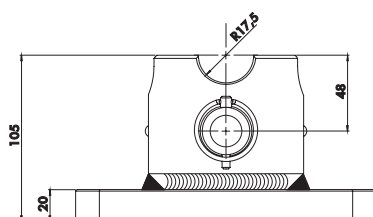
ADAPTER FLANGE FOR SHAFT ROTATORS



04

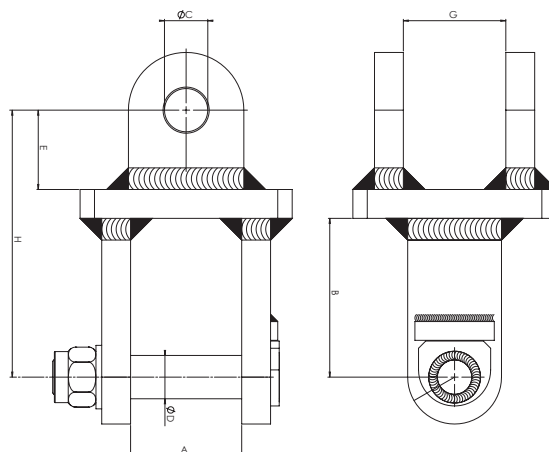


MODELS	A	B	HOLE	WEIGHT	ROTATOR
	mm	mm		kg	
FA50254F	50	25	4	7	FR 35
FA59304F	59	30	4	7	FR 50
FA593010F	59	30	10	10	FR 50
FA68304F	68	30	4	7	FR 55 FR 85 SX
FA683010F	68	30	10	10	FR 55 FR 85 SX
FA69304F	69	30	4	7	FR 55 FR 85 SX
FA693010F	69	30	10	10	FR 55 FR 85 SX
FA783510F	78	35	10	12	FR 128 SX



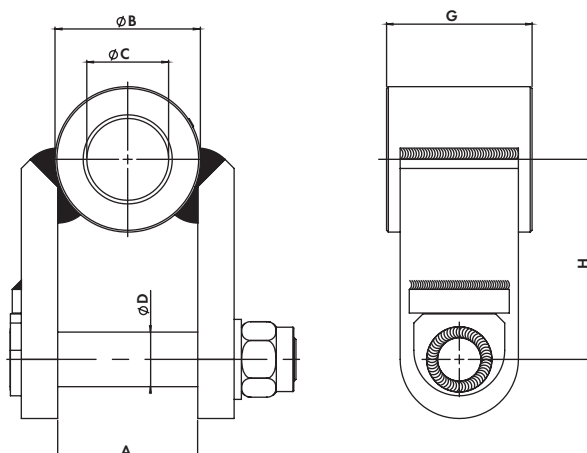
SUSPENSION LINKS

LINK F

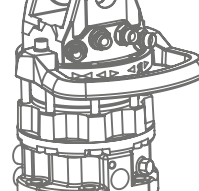


MODELS	A	B	C	D	E	G	H	WEIGHT	LOAD
	mm	mm	mm	mm	mm	mm	mm	kg	kg
492025	77	110	30	25	55	71	185	8	5500
492030				30					

LINK M



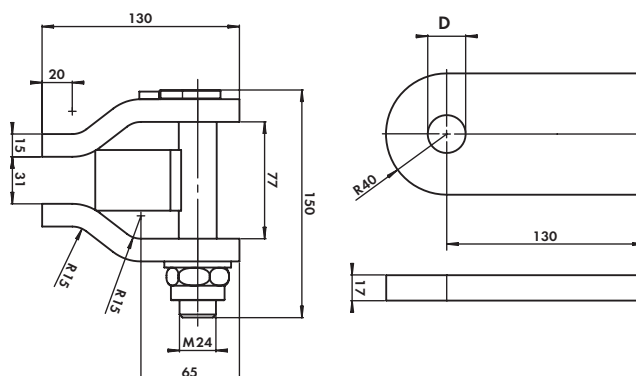
MODELS	A	B	C	D	G	H	WEIGHT	LOAD
	mm	mm	mm	mm	mm	mm	kg	kg
491025	70	80	45	25	80	110	5	5500
491030				30				



UNIVERSAL

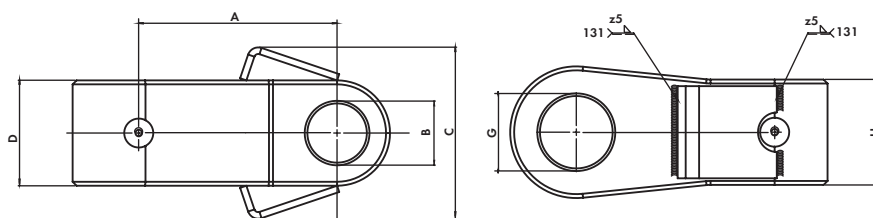


04



MODEL	PIVOT (D)	WEIGHT	LOAD
	mm	kg	kg
490906	25	3	5000

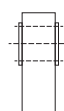
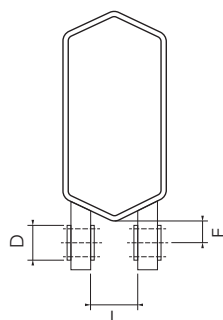
FL 85/128



MODELS	A	B	C	D	G	H	WEIGHT	LOAD
	mm	mm	mm	mm	mm	mm	kg	kg
FL 85-128/110	110	40	128	80	30	80	10	12000
					35			
					40			
					45			
FL 85-128/150	150	40	130	80	30	80	11	12000
					35			
					40			
					45			
FL 85-128/240	240	40	130	80	30	80	12	12000
					35			
					40			
					45			

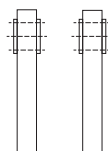
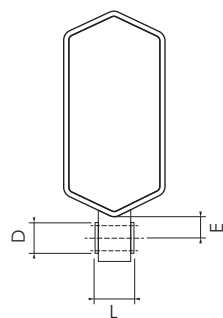
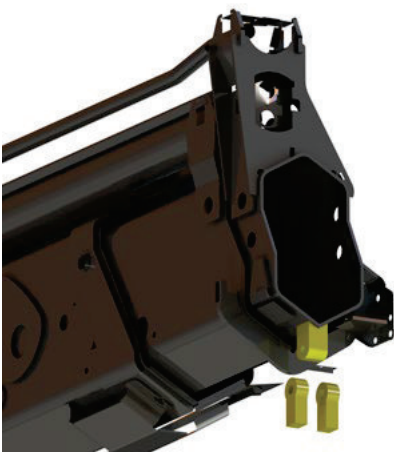
IDENTIFICATION OF CRANE ATTACHMENT TYPE

Crane Attachment TYPE F



Link type M

Crane Attachment TYPE M



Link type F

Please fill in the table below with the dimensions as shown in the drawings, indicating type of rotator and model of crane, in order to let us produce a custom link for your needs.

	D	L	E	
	mm	mm	mm	
TYPE M				ROTATOR
TYPE F				CRANE