

*Desoutter*



**Industrial** Tools



## ***Balancers***

*Support your  
Productivity*

**More Than Productivity**



# General information

## ■ Spring Retractors / Reaction Free Balancers - Differences?



### Spring retractor:

- Cylindrical shape
- Automatic load retraction
- Working area remains free



### Reaction free:

- Conical shape
- Constant retracting force
- Holds the selected height

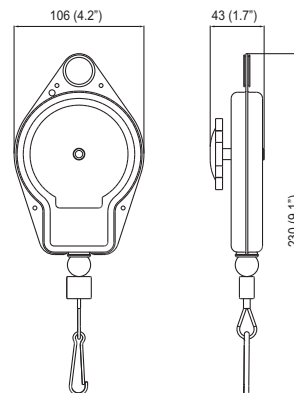
## ■ Standard Security Features: DF & DFL Series



# Balancers - D & HU series



- Steel housing
- Nylon cable
- Additional support chain included

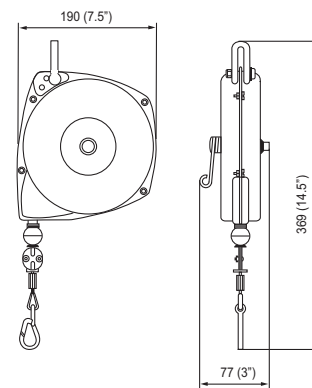


## BALANCERS - 1DU - 5DU

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
1DU	52542	0	0	0.5	1.1	1.5	4.9	0.6	1.3
2DU	50522	0.5	1.1	1.0	2.2	1.5	4.9	0.6	1.3
2DUS	54532	0.5	1.1	1.0	2.2	3.0	9.8	0.6	1.3
3DU	52862	1.0	2.2	1.5	3.3	1.5	4.9	0.6	1.3
4DU	50532	1.0	2.2	2.0	4.4	1.5	4.9	0.6	1.3
5DU	50542	1.4	3.1	2.4	5.3	1.5	4.9	0.6	1.3



- Steel housing
- Steel cable
- Additional support chain included
- 10S / 15S / 22S with drum lock feature: operates only on spring failure



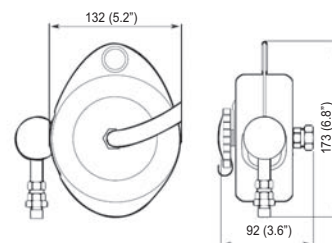
## BALANCERS - 10D/S - 22D/S

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
10D	50052	2.5	5.5	5.0	11.0	2.4	7.8	2.7	6.0
15D	50062	5.0	11.0	7.0	15.4	2.4	7.8	3.2	7.1
22D	50072	6.0	13.2	10.0	22.0	2.4	7.8	3.2	7.1
10S*	50572	2.0	4.4	5.0	11.0	2.4	7.8	2.7	6.0
15S*	50582	5.0	11.0	7.0	15.4	2.4	7.8	3.2	7.1
22S*	50592	6.0	13.2	10.0	22.0	2.4	7.8	3.2	7.1

\* Balancers with drum lock features



- Steel housing
- Additional support chain included
- Polyurethane hose
- 1/4" in. thread



## HOSE BALANCERS - 1HU - 4HU

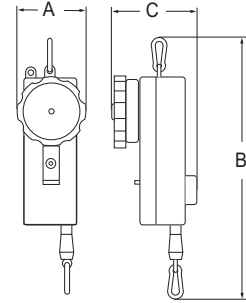
MODEL	PART NUMBER	LOAD RANGE				HOSE TRAVEL		HOSE ID		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	mm	in.	kg	lb
		kg	lb	kg	lb						
1HU	52552	0.5	1.1	0.5	1.1	1.5	4.9	6.5	1/4	1.2	2.6
3HU	50552	0.5	1.1	1.4	3.1	1.0	3.3	6.5	1/4	1.2	2.6
4HU	50562	0.7	1.5	2.0	4.4	1.0	3.3	6.5	1/4	3.3	7.3

Flow rate: 7.1 l/s (15cfm)

# Balancers - R & DF series



- Reaction free: holds the load weightless throughout the entire cable length
- Plastic housing & nylon cable: 2R, 4R
- Steel housing & steel cable: 5R, 10R
- Cable locks in the event of spring failure

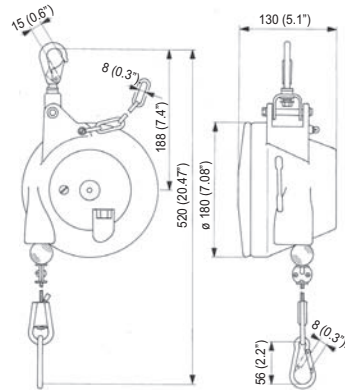


## BALANCERS - 2R - 10R - REACTION FREE SELF-LOCK

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT		DIMENSIONS					
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb	A		B		C	
		kg	lb	kg	lb									mm	in.
2R	54422	0.7	1.5	1.3	2.9	1.7	5.5	0.5	1.1	72	2.8	245	9.6	108	4.3
4R	54432	1.0	2.2	2.0	4.4	1.7	5.5	0.5	1.1	72	2.8	245	9.6	108	4.3
5R	54442	1.7	3.7	3.5	7.7	2.4	7.8	2.3	5.1	116	4.6	427	16.8	155	6.1
10R	54452	3.0	6.6	6.0	13.2	2.4	7.8	2.3	5.1	116	4.6	427	16.8	155	6.1



- Reaction free: holds the load weightless throughout the entire cable length
- Rigid and impact-resistant plastic housing
- 360° swiveling safety hook for isolated suspension
- Screw-type safety hook for load suspension
- Standard safety chain
- Spring fracture safeguard, integrated drum lock

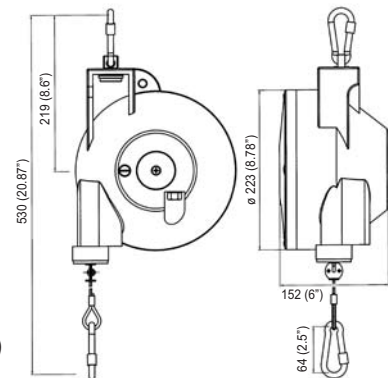


## BALANCERS - 5DF - 21DF

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
5DF	615 805 011 0	3.0	6.6	5.0	11.0	2.0	6.6	2.9	6.4
7DF	615 805 012 0	4.5	9.9	7.0	15.4	2.0	6.6	3.1	6.8
10DF	615 805 013 0	6.0	13.2	10.0	22.0	2.0	6.6	3.2	7.1
14DF	615 805 014 0	9.0	19.8	14.0	30.9	2.0	6.6	3.4	7.5
17DF	615 805 015 0	13.0	28.7	17.0	37.5	2.0	6.6	3.6	7.9
21DF	615 805 016 0	16.0	35.3	21.0	46.3	2.0	6.6	3.8	8.4



- Reaction free: holds the load weightless throughout the entire cable length
- Rigid and impact-resistant aluminum housing
- 360° swiveling screw-type safety hook
- Screw-type safety hook for load suspension
- Standard safety chain
- Spring fracture safeguard, integrated drum lock



## BALANCERS - 25DF - 55DF

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
25DF	615 805 017 0	15.0	33.1	25.0	55.1	2.0	6.6	7.8	17.2
35DF	615 805 018 0	25.0	55.1	35.0	77.2	2.0	6.6	8.9	16.6
45DF	615 805 019 0	35.0	77.2	45.0	99.2	2.0	6.6	9.5	20.9
55DF	615 805 020 0	45.0	99.2	55.0	121.2	2.0	6.6	9.7	21.4

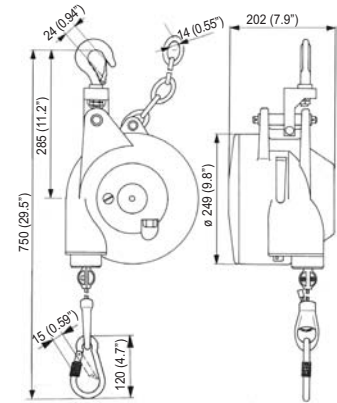
# Heavy duty balancers - DFL series



- Reaction free: holds the load weightless throughout the entire cable length
- Rigid and impact-resistant aluminum housing
- 360° swiveling safety hook
- Cable extension limit stop for overload protection
- Screw-type safety hook for load suspension
- Standard safety chain
- Standard spring fracture safeguard, integrated drum lock
- Ferrule for securing cable end
- Freewheel device for protection against handling errors



Max.  
100 kg (220lb)



## BALANCERS - 20DFL - 100DFL

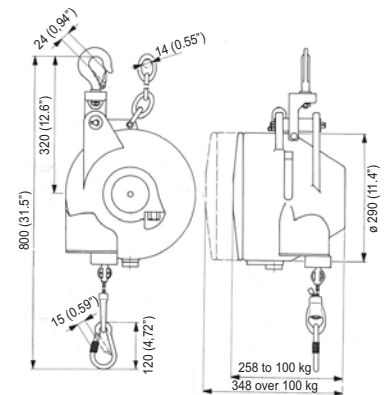
MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
20DFL	615 805 021 0	12	26.5	20	44.1	2.0	6.6	14.8	32.6
30DFL	615 805 022 0	20	44.1	30	66.1	2.0	6.6	15.2	33.5
45DFL	615 805 023 0	30	66.1	45	99.2	2.0	6.6	16.9	37.2
60DFL	615 805 024 0	45	99.2	60	132.3	2.0	6.6	17.3	38.1
75DFL	615 805 025 0	60	132.3	75	165.3	2.0	6.6	18.7	41.2
90DFL	615 805 026 0	75	165.3	90	198.4	2.0	6.6	19.7	43.4
100DFL	615 805 027 0	90	198.4	100	220.4	2.0	6.6	20.9	46.1



- Reaction free: holds the load weightless throughout the entire cable length
- Rigid and impact-resistant aluminum housing
- 360° swiveling safety hook
- Cable extension limit stop for overload protection
- Screw-type safety hook for load suspension
- Standard spring fracture safeguard, integrated drum lock
- Ferrule for securing cable end
- Freewheel device for protection against handling errors



Max.  
200 kg (441lb)



## BALANCERS - 115DFL - 200DFL

MODEL	PART NUMBER	LOAD RANGE				CABLE TRAVEL		WEIGHT	
		MIN. CAPACITY		MAX. CAPACITY		m	ft	kg	lb
		kg	lb	kg	lb				
115DFL	615 805 028 0	100	220.4	115	253.5	3.0	9.8	41.8	92.1
130DFL	615 805 029 0	115	253.5	130	286.6	3.0	9.8	43.2	95.2
140DFL	615 805 030 0	130	286.6	140	308.6	3.0	9.8	44.6	98.3
150DFL	615 805 031 0	140	308.6	150	330.7	3.0	9.8	46.0	101.4
170DFL	615 805 032 0	150	330.7	170	374.8	3.0	9.8	46.4	102.3
180DFL	615 805 033 0	170	374.8	180	396.8	3.0	9.8	46.7	102.9
190DFL	615 805 034 0	180	396.8	190	418.9	3.0	9.8	47.0	103.6
200DFL	615 805 035 0	190	418.9	200	440.9	3.0	9.8	47.3	104.2

# Accessories

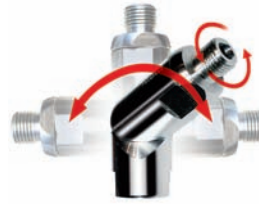
Desoutter provides a wide range of accessories to help our customers use their tools as efficiently as possible.



Air preparation units



Polyurethane hose



Air-Flex Swivel connector



Hose reel

Air line accessories such as air preparation units (filter, regulator, and lubricator), fittings, polyurethane hoses, and hose reels.



Ergonomics is a growing concern for many manufacturers and Desoutter offers a selection of products to improve the working environment of the operator on an assembly line: torque arms, bench kits, tool holsters and balancers.

For more information on tools and accessories please visit our website or ask your local representative for a copy of our latest Desoutter general catalogue.



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