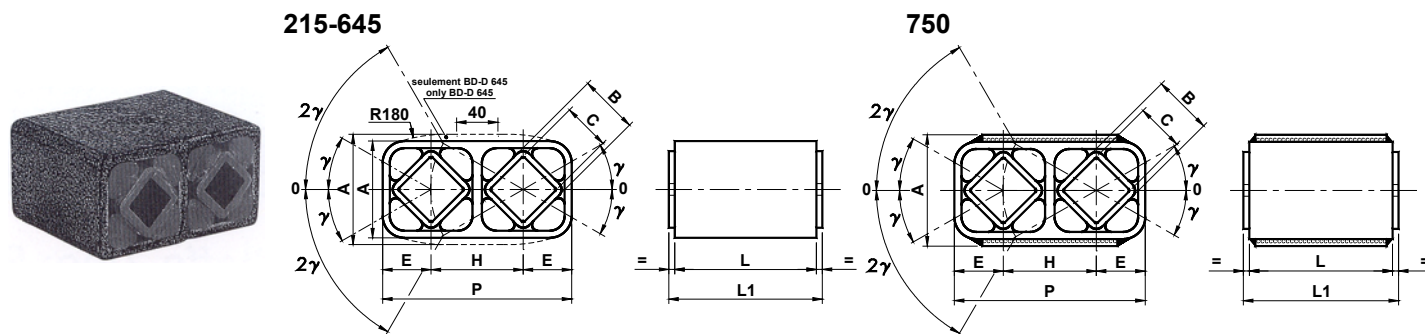


Elementi elastici BD-D / BD-D Elastic elements



Tipo Type	Cod. n°	A	B	C	E	H	P	L	L1	Carico di Torsione $M_t$ in Nm con $\pm \gamma$						Peso Weight [kg]
										Torque $M_t$ in Nm at $\pm \gamma$						
										5°	10°	15°	20°	25°	30°	
BD-D 215 x 25	CE071705	27 ±0.15	15	11	13.5	25.5	52.5 ±0.20	25	30	0.7	1.6	2.5	3.8	5.4	7.8	0.11
BD-D 215 x 40	CE071706	27 ±0.15	15	11	13.5	25.5	52.5 ±0.20	40	45	1.1	2.5	4.0	6.1	8.7	12.5	0.15
BD-D 215 x 60	CE071707	27 ±0.15	15	11	13.5	25.5	52.5 ±0.20	60	65	1.6	3.8	6.0	9.2	13.0	18.8	0.22
BD-D 318 x 30	CE071710	35 ±0.15	18	12	16.0	31.0	66.0 ±0.20 ±0.00	30	35	1.8	4.2	7.0	10.5	14.3	19.5	0.18
BD-D 318 x 50	CE071711	35 ±0.15	18	12	16.0	31.0	66.0 ±0.20 ±0.00	50	55	3.0	7.0	11.7	17.5	23.8	32.5	0.31
BD-D 318 x 80	CE071712	35 ±0.15	18	12	16.0	31.0	66.0 ±0.20 ±0.00	80	85	4.8	11.2	18.9	28.0	38.2	52.0	0.47
BD-D 427 x 40	CE071715	45 ±0.15	27	22	22.5	44.0	89.0 ±0.20 ±0.00	40	45	4.7	10.2	16.5	25.6	37.6	54.2	0.37
BD-D 427 x 60	CE071716	45 ±0.15	27	22	22.5	44.0	89.0 ±0.20 ±0.00	60	65	6.8	15.3	24.8	38.4	56.4	81.3	0.54
BD-D 427 x 100	CE071717	45 ±0.15	27	22	22.5	44.0	89.0 ±0.20 ±0.00	100	105	11.8	25.5	41.2	64.0	94.0	135.5	0.89
BD-D 538 x 60	CE071720	68 ±0.20	38	30	30.0	60.0	120.0 ±0.30 ±0.00	60	70	12.4	29.0	48.2	74.0	107.5	153.5	1.07
BD-D 538 x 80	CE071721	68 ±0.20	38	30	30.0	60.0	120.0 ±0.30 ±0.00	80	90	16.5	38.7	64.3	98.7	143.4	204.7	1.39
BD-D 538 x 120	CE071722	68 ±0.20	38	30	30.0	60.0	120.0 ±0.30 ±0.00	120	130	24.7	58.0	96.4	148.0	215.0	307.0	2.07
BD-D 645 x 80	CE071725	82 ±0.20	45	35	36.0	73.0	145.0 ±0.40 ±0.00	80	90	26.4	60.0	98.6	152.4	210.5	302.0	2.07
BD-D 645 x 100	CE071726	82 ±0.20	45	35	36.0	73.0	145.0 ±0.40 ±0.00	100	110	33.0	75.0	123.2	190.5	263.1	377.5	2.55
BD-D 645 x 150	CE071727	82 ±0.20	45	35	36.0	73.0	145.0 ±0.40 ±0.00	150	160	49.5	112.5	184.8	285.8	394.6	566.3	3.82
BD-D 750 x 120	CE071730	90 ±0.20	50	40	39.0	78.0	156.0 ±0.40 ±0.00	120	130	50.0	121.0	225.0	356.0	513.0	741.0	6.21

Dalla grandezza 215 alla grandezza 645 il corpo esterno è in alluminio mentre i profili interni sono realizzati in acciaio verniciato. Nella grandezza 645 il corpo esterno è convesso. Nella grandezza 750 il corpo esterno e i profili interni sono realizzati in acciaio verniciato. Per l'accoppiamento interno è consigliabile l'utilizzo di un trafilato quadro con angoli smussati e tolleranze comprese fra h9 e h11. Caratteristica di questo elemento è la possibilità di avere un angolo di rotazione doppio (60°) sfruttando la rotazione di entrambi gli elementi.

From the size 215 to the size 645 the external body is made of aluminium while the inner shapes are made of steel. In the size 645 the external body has a convex shape. In the size 750 the external body and the inner shapes are made of steel. For the inner coupling, we advise to use a square-drawn section with slightly smoothed angles and tolerances between h9 e h11. The feature of this element is the possibility to have a double rotation angle (60°), taking the advantage of the rotation of both the elements.

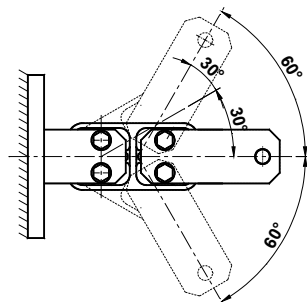


Fig.1

L'esempio di figura 1 mostra come effettuare un collegamento "in serie" con gli elementi elastici tipo BD. Si può notare che l'angolo di rotazione totale è di 60° (30° per ognuno dei due elementi).

Il collegamento "in serie" può essere effettuato con gli elementi elastici modulari come nella figura 2.

The example of the figure 1 shows as You have to do an "in series" connection with the elastic elements type BD. You can notice that the total rotation angle is 60° (30° for each one of the two elements).

The "in series" connection can be done with the modular elastic elements as in the figure 2.

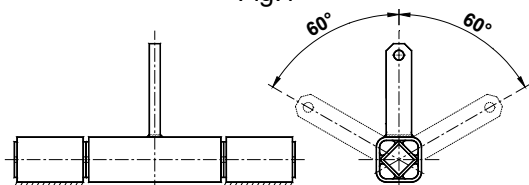


Fig.2

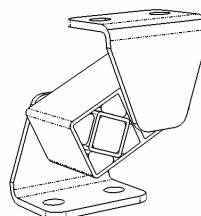


Fig. 3