

Clutch / brake units

RotaStep type 10

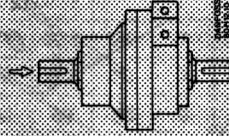
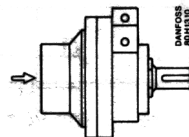
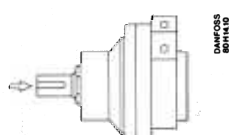
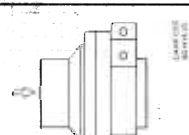
Data Sheet

The Danfoss *RotaStep* is a compressed air activated clutch / brake unit.

The product range comprises five *RotaStep* sizes, covering the torque range (dynamic torque) of 3 to 120 Nm.

Each *RotaStep* size will be available in four types.

RotaStep type 10 is the solid/solid shaft version.

<i>RotaStep</i> 06 <i>RotaStep</i> 08 <i>RotaStep</i> 10 <i>RotaStep</i> 12 <i>RotaStep</i> 15	Type 10	Solid/solid shaft		Data sheet no.
<i>RotaStep</i> 06 <i>RotaStep</i> 08 <i>RotaStep</i> 10 <i>RotaStep</i> 12 <i>RotaStep</i> 15	Type 20	Hollow/solid shaft		FD.60.B3
<i>RotaStep</i> 06 <i>RotaStep</i> 08 <i>RotaStep</i> 10 <i>RotaStep</i> 12 <i>RotaStep</i> 15	Type 30	Solid/hollow shaft		FD.60.C1
<i>RotaStep</i> 06 <i>RotaStep</i> 08 <i>RotaStep</i> 10 <i>RotaStep</i> 12 <i>RotaStep</i> 15	Type 40	Hollow/hollow shaft		FD.60.D1

Product identification

Example: Rota 15 10
Size: *RotaStep* 15
Type: Type 10

RotaStep size 08, 10, 12 and 15

Input

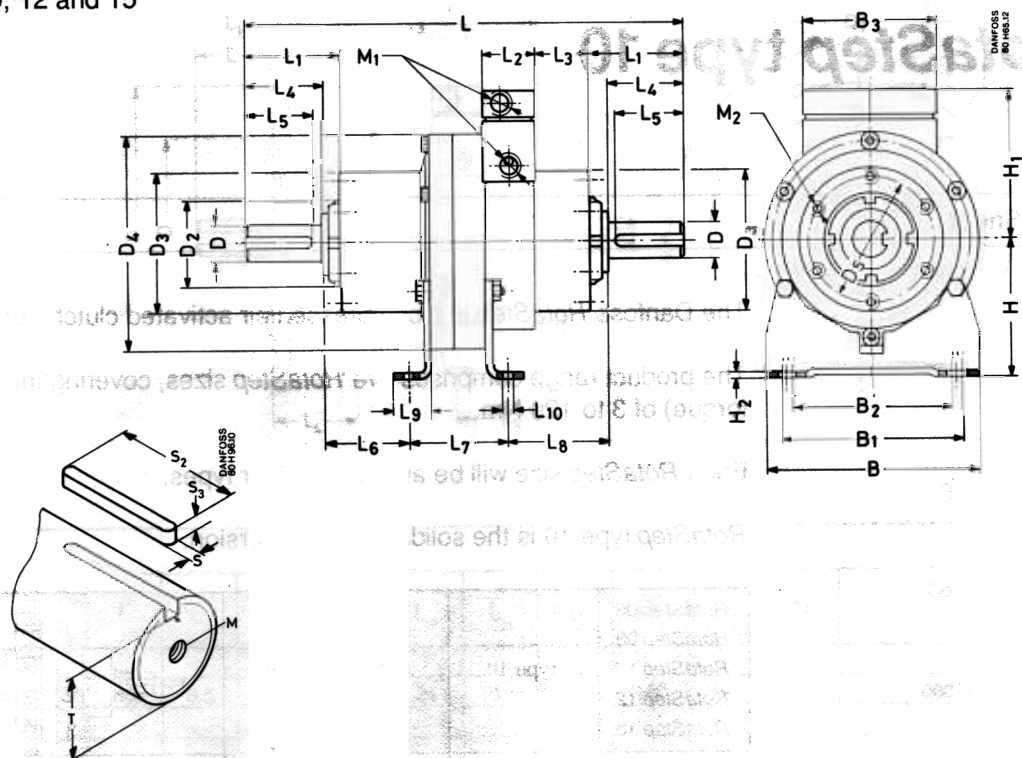


Fig. 1

RotaStep size 06

Input

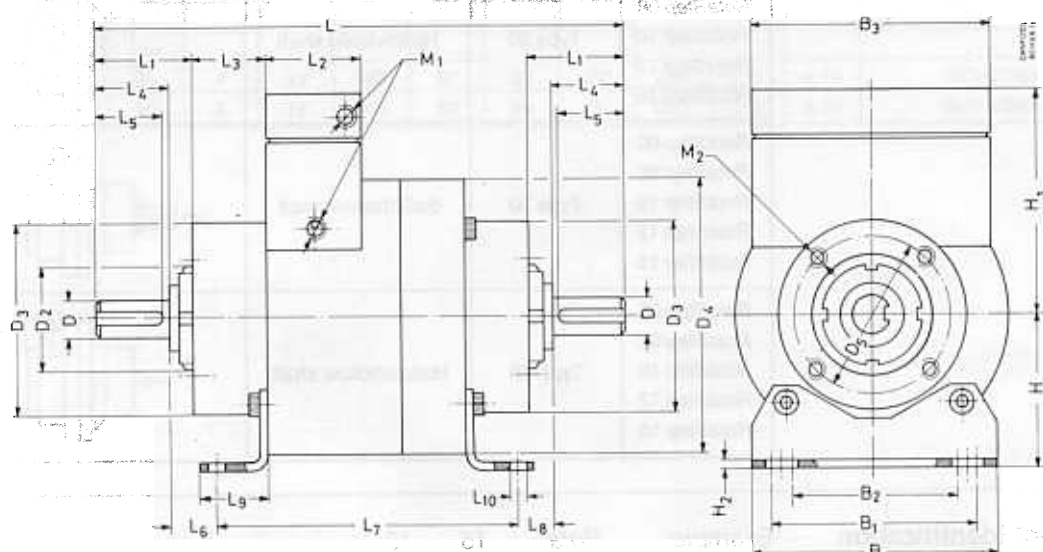


Fig. 2

Keyway: DIN 6885/1
 Shafts ends: j6 for $D \leq 30$ mm ISO R 775
 Centrigs: DIN 332/2 form DR
 Shaft heights: DIN 747
 Grade of enclosure: IP 54

Ordering

<i>RotaStep</i> size/type	Torque range Nm	D mm	Weight kg	Code no. <i>RotaStep</i> unit	Code no. bracket
0610	3-9	Ø 14	3.6	080H1111	080H0016
0810	6-18	Ø 19		080H2111	080H0019
1010	12-36	Ø 24	7.4	080H3111	080H0022
1210	22-66	Ø 28	7.9	080H4111	080H0025
1510	40-120	Ø 28	12.1	080H5111	080H0028

Dimensions

<i>RotaStep</i> size/type	L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈	L ₉	L ₁₀	B	B ₁	B ₂	B ₃
0610	213	40	35	28.5	30	25	21.5	107.5	24	25	7	100	83	73	88.5
0810															
1010	287.5	62	35	35	50	45	54	71	62.5	25	7	140	123	113	88.5
1210	312	72	35	27	60	55	52	78	6.2	28	7	165	143	119	88.5
1510	312	72	40	27	60	55	50	82	60	30	9	190	168	159	116

<i>RotaStep</i> size/type	H	H ₁	H ₂	D	D ₂	D ₃	D ₄	D ₅	M ₁	M ₂
0610	71	84.2	4	14	38	70	102	58	G1/4	4 x M5 x 15
0810				19						
1010	90	98	4	24	56	92	142	80	G1/4	6 x M6 x 15
1210	100	104	4	28	56	110	170	93	G1/4	4 x M8 x 15
1510	100	110	4	28	56	110	192	93	G3/8	4 x M8 x 15

Key

<i>RotaStep</i> size/type	D	M	S	S ₂	S ₃	T
0610	14	M5 x 10	5	22	5	10.95
0810						
1010	24	M6 x 16	8	40	7	19.9
1210	28	M6 x 16	8	50	7	24
1510	28	M6 x 16	8	50	7	24

Flange DIN 42948

Input

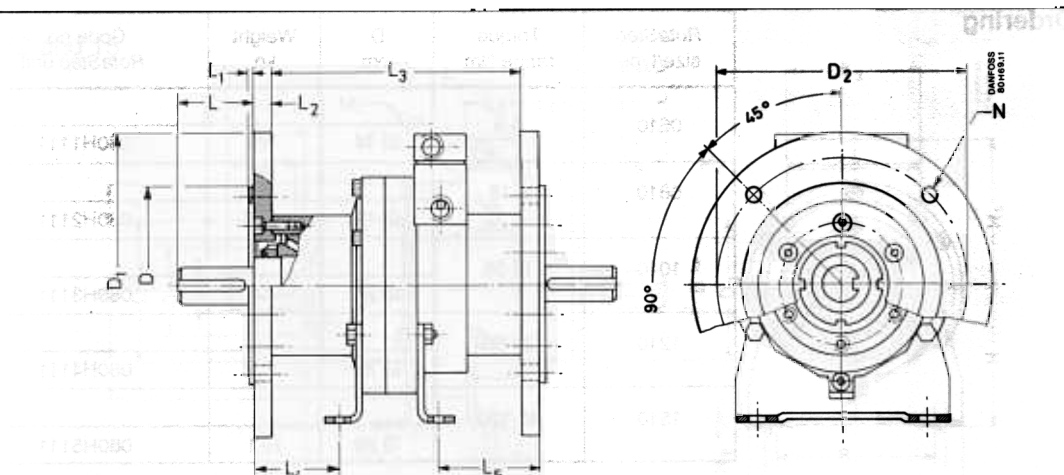


Fig. 3

Flange DIN 42948		For <i>RotaStep</i> size	L	L ₁	L ₂	L ₃	L ₄	L ₅	D	D ₁	D ₂	N	Code no. 1 pcs.
B5	A140 *	06											
	A160 *	06	30	3.5	10	133	24	21.5	110	160	130	ø 9	080H0043
		08											
		08											
	A200 *	10	50	3.5	12	163.5	54	62.5	130	200	165	ø 11	080H0063
		12											
		15											
	A250 *	12	60	4	12	168	52	62	180	250	215	ø 14	080H0083
		15	60	4	12	168	50	60	180	250	215	ø 14	080H0083

* External