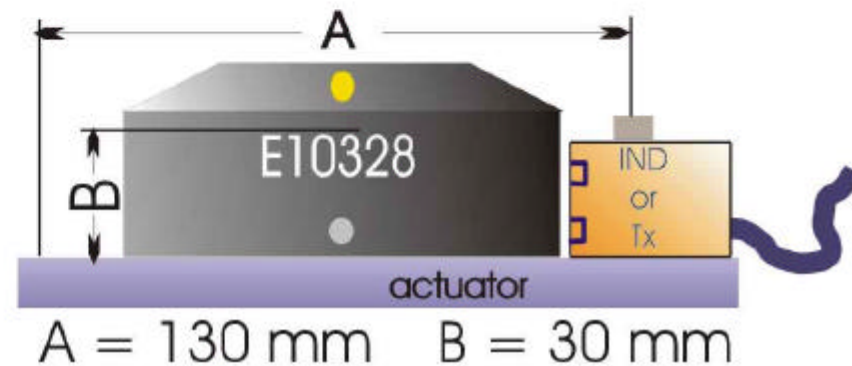
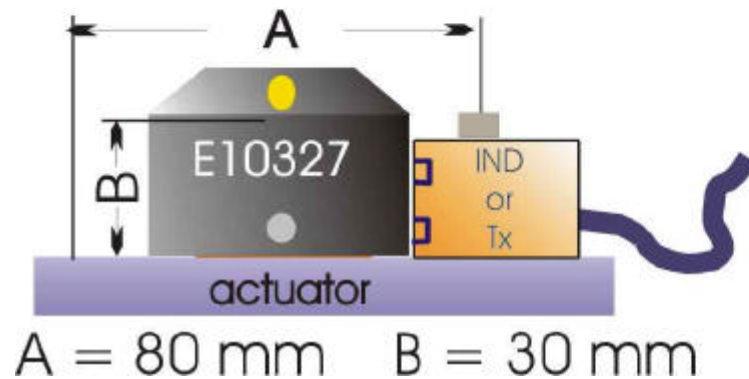
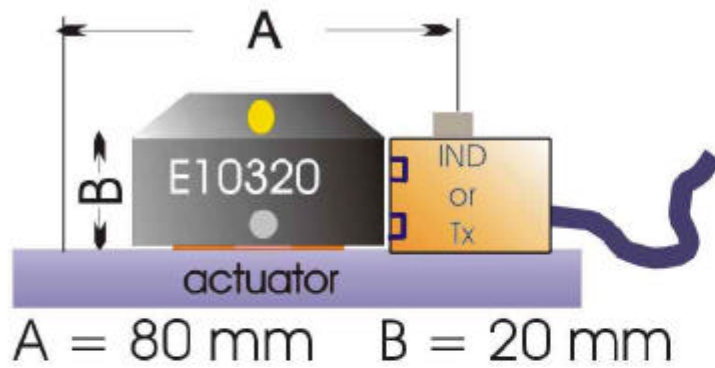


# switching cam - PUCKS - assign to actuator



Producer : **Actreg s.a.**

Country Location : **SPAIN Cornellá**

actuator / type	*double functionN m	length <b>A</b>	shaft height <b>B</b>	<b>actuator in accordance with ISO 5211</b>	puck order no.	**spacer necessary order no.
AC 20	19,0	80	30	Y	E10327	N
AC 40	38,4	80	30	Y	E10327	N
AC 80	77,0	80	30	Y	E10327	N
AC 130	115,0	80	30	Y	E10327	N
AC 200	168,0	80	30	Y	E10327	N
AC 300	281,0	80	30	Y	E10327	N
AC 500	391,0	80	30	Y	E10327	N
AC 850	667,0	80	30	Y	E10327	N
AC 1200	965,0	80	30	Y	E10327	N
AC 1750	1379,0	80	30	Y	E10327	N

Producer : **Air Torque**

Country Location : **Italy / Albano S. Alessandro**  
**Germany / Ettlingen**

**part I** (types used in the Belgium Finland Italy Netherlands)

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
AT 00	19,2	80	20	Y	E10320	N
AT050		80	20	Y	E10320	N
AT 10	32	80	20	Y	E10320	N
AT 20	68	80	20	Y	E10320	N
AT 25	103	80	20	Y	E10320	N
AT 30	162	80	20	Y	E10320	N
AT 40	352	130	30	Y	E10328	N
AT 50	672	130	50	Y	E10328	2 X E10579
AT 60	1320	130	50	Y	E10328	2 X E10579

**Caution:** Actuators of the **4th generation** have a hexagon shaft and are not in accordance with VDI/VDE 3845. A visual plastic top includes the 4 x 4 mm slot which should normally be in the shaft. Metal inserts / targets for this visual top must be ordered from AIR TORQUE and are not part of this matrix.

Producer : **Air Torque**

Location : **Italy / Albano S. Alessandro  
Germany / Ettlingen**

**part II** (types used in Germany)

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
DA15 / SR15		80	20	Y	E10320	N
DA30 / SR30		80	20	Y	E10320	N
DA60 / SR60		80	20	Y	E10320	N
DA100 / SR100		80	20	Y	E10320	N
DA150 / SR150		80	20	Y	E10320	N
DA220 / SR220		130	30	Y	E10328	N
DA300 / SR300		130	30	Y	E10328	N
DA450 / SR450		130	30	Y	E10328	N
DA600 / SR 600		130	50	Y	E10328	2 X E10579
DA900 / SR 900		130	50	Y	E10328	2 X E10579
DA1200/SR1200		130	50	Y	E10328	2 X E10579
DA3000/SR3000		130	50	Y	E10328	2 X E10579

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**efector** 

matrix valve actuators by using IND mounting kit



Producer : **Alfa Laval Flow GmbH**  
**Alfa Laval • Saunders • Via**  
Now changed to Crane – look at Crane

Location : **Düsseldorf D**

\* at 6 bar  
vers. 11/02

Producer : **ALPHAIR Aircom Technologies INC.** Location : **Canada Kirkland (Quebec)**

actuator / type	*double function Nm	length		actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
		A	shaft height B			
AP032		50	20	No	-	-
AP050		80	20	Y	E 10320	N
AP063		80	20	Y	E 10320	N
AP075		80	20	Y	E 10320	N
AP085		80	20	Y	E 10320	N
AP100		80	20	Y	E 10320	N
AP115		130	30	Y	E 10328	N
AP125		150	30	Y	E 10328	N
AP145		130	30	Y	E10328	N
AP160		130	50	Y	E10328	2 pcs. E10579
AP180		-	-	-	-	
AP200		130	50	Y	E10328	2 pcs.. E10579
AP270		130	50	Y	E10328	2 pcs.. E10579



Producer : **AMG (Pesch group)**

Location : **Cologne D**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	AMG shaft adapter No. 111 380
SAD/SAF 005	15,1	50	11	NO	E 17108	N
SAD/SAF 010	33	80	20	Y	E 10320	N
SAD/SAF 015	75	80	20	Y	E 10320	N
SAD/SAF 020	107	80	20	Y	E 10320	N
SAD/SAF 025	204	80	20	Y	E 10320	N
SAD/SAF 030	302	80	20	Y	E 10320	N
SAD/SAF 033	555	80	20	Y	E 10320	N
SAD/SAF 035	735	80	20(30)**	Y	E 10327	Y
SAD/SAF 040	1121	80	20(30)**	Y	E 10327	Y
SAD/SAF 042	1791	80	20(30)**	Y	E 10327	Y
SAD/SAF 045	2912	130	30	Y	E 10328	N
SAD/SAF 050	5219	130	30	Y	E 10328	N

\*\* with shaft adapter

Producer : **A + R Armaturen**

Location : **Bad Salzflun D**

actuator / type	*double functionN m	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
ARS...1-25		80	30	Y	E 10327	N
ARS...2-63		80	30	Y	E 10327	N
ARS...3-75		80	30	Y	E 10327	N
ARS...3,5-85		80	30	Y	E 10327	N
ARS...4-100		80	30	Y	E 10327	N
ARS...4,5-115		80 + 130	30	Y	E 10327 or E10328	N
ARS...5-125		80 + 130	30	Y	E 10327 or E10328	N
ARS...5,5-140		80 + 130	30	Y	E 10327 or E10328	N
ARS...6-160		80 + 130	30	Y	E 10327 or E10328	N
ARS...8-200		80 + 130	30	Y	E 10327 or E10328	N

Producer : **bar GmbH**

Country / Location : **Dattenberg D**

actuator / type	*double functionN m	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
GTD/GTE-045	13,8	80	30	Y	E10327	N
GTD/GTE-055	23,4	80	30	Y	E10327	N
GTD/GTE-065	35,0	80	30	Y	E10327	N
GTD/GTE-077	60,0	80	30	Y	E10327	N
GTD/GTE-083	84,0	80	30	Y	E10327	N
GTD/GTE-093	116,5	80	30	Y	E10327	N
GTD/GTE-110	169	80	30	Y	E10327	N
GTD/GTE-115	252	80	30	Y	E10327	N
GTD/GTE-127	320	80	30	Y	E10327	N
GTD/GTE-163	660	130	30	Y	E10328	N
GTD/GTE-210	1422	130	30	Y	E10328	N
GTD/GTE-250	2610	130	30	Y	E10328	N
GTD/GTE-254	3258	130	30	Y	E10328	N



Producer : **Bray controls (European series)** Country / Location : **Neuss, Germany**

actuator / type <b>series 90 / 91</b>	*double functionN m	length A	shaft height B	<b>actuator in accordance with ISO 5211</b>	puck order no.	**spacer necessary order no.
0050		--	--	N	--	--
0630		80	20	Y	E10320	N
0830		80	20	Y	E10320	N
0920		80	20	Y	E10320	N
1180		80	30	Y	E10327	N
1270		80	30	Y	E10327	N
1600		130	30	Y	E10328	N
2100		130	30	Y	E10328	N
2550		130	30	Y	E10328	N

matrix valve actuators by using IND mounting kit

**CRANE**

Producer :

country / location : **Düsseldorf**

Actuator / type <b>REVO</b>	*double function Nm	length <b>A</b>	shaft height <b>B</b>	<b>actuator in accordance with ISO 5211</b>	puck order no.	**spacer necessary order no.
R.. 001		50	15	No		
R.. 002		50	20	No		
R.. 006		80	20	Y	E 10320	N
R.. 012		80	20	Y	E 10320	N
R.. 025		80	30	Y	E 10327	N
R.. 050		80	30	Y	E 10327	N
R.. 090		80	30	Y	E 10327	N
R.. 090		80	30	Y	E 10327	N
R.. 130		130	30	Y	E 10328	N
R.. 130		130	30	Y	E 10328	N
R.. 180		130	30	Y	E 10328	N
205 – F12		130	30	Y	E 10328	N
205 – F14		130	30	Y	E 10328	N
205 – F14/R45		130	30	Y	E 10328	N
380 – F12		130	30	Y	E 10328	N
380 – F14		130	30	Y	E 10328	N
380 – F14/R45		130	30	Y	E 10328	N
630		150	30	Y	-	-
960		150	30	Y	-	-
H15		150	30	Y	-	-

\* at 6 bar  
vers. 11/02



Producer : **EBRO**

Location : **Hagen D**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
EB 4	29	80	30	Y	E 10327	N
EB 5	85	80	30	Y	E 10327	N
EB 6	---	130	30	Y	E 10328	N
EB 8	266	130	30	Y	E 10328	N
EB10	583	130	30	Y	E 10328	N
EB12	974	130	30	Y	E 10328	N
EB15	1664	130	30	Y	E 10328	N
EB18	2646	130	30	Y	E 10328	N

\* at 6 bar  
vers. 11/02

Producer : **EL-O-MATIC**

Location : **Hengelo Cuijk, NL**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	comment	puck order no.	**spacer necessary order no.
<b>E_12</b>	14.6	80	20	N			
E_25	27	80	20	Y	E series  steel and stainless steel actuator	E 10320	N
E_40	51	80	20	Y		E 10320	N
E_65	78	80	20	Y		E 10320	N
E_100	114	80	20	Y		E 10320	N
E_200	251	80	20	Y		E 10320	N
E_350	436	80	20	Y		E 10320	N
E_600	741	130	30	Y			E 10328
E_950	1107	130	30	Y		E 10328	N
P_35	38	80	20	Y	P series	E 10320	N
P_60	69	80	20	Y		E 10320	N
P_150	174	80	20	Y		E 10320	N
P_280	329	80	20	Y		E 10320	N
P_500	581	130	30	Y		E 10328	N
P_750	864	130	30	Y		E 10328	N
P_1100	1274	130	30	Y		E 10328	N
P_2500	2922	130	30	Y		E 10328	N
P_4000	4954	130	30	Y		E 10328	N

matrix valve actuators by using IND mounting kit



Producer :

**END-Armaturen GmbH & Co. KG**

Ort : **Bad Oeynhausen D**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
Sk 43		80	30	Y	E10327	N
Sk43 (F04)		80	30	Y	E10327	N
Sk 55		80	30	Y	E10327	N
Sk 56 (F04)		80	30	Y	E10327	N
Sk 70		80	30	Y	E10327	N
Sk 85		80	30	Y	E10327	N
Sk 100		80/130	30	Y	E10327	N

\* at 6 bar  
vers. 11/02

actuator / type	Flansch	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
DER-/ DRD-1	F03		50	15	-	-	-
DER-/ DRD-2	F04		50	20	-	-	-
DER-/ DRD-4	F05		80	20	Y	E 10320	N
DER-/ DRD-8	F05		80	20	Y	E 10320	N
DER-/ DRD-14	F05		80	20	Y	E 10320	N
DER-/ DRD-26	F07		80	20	Y	E 10320	N
DER-/ DRD-50	F07		130	20	-	-	-
DER-/ DRD-50	F10		130	30	Y	E 10328	N
DER-/ DRD-77	F10		130	30	Y	E 10328	N
DER-/ DRD-77	F12		130	30	Y	E 10328	N
DER-/ DRD-100	F12		130	30	Y	E 10328	N
DER-/ DRD-150	F12		130	30	Y	E 10328	N
DER-/ DRD-150	F14		130	30	Y	E 10328	N
DER-/ DRD-225	F12		130	30	Y	E 10328	N
DER-/ DRD-225	F14		130	30	Y	E 10328	N
DER-/ DRD-375	F14		130	30	Y	E 10328	N
DER-/ DRD-375	F16		150	30	-	-	-
DER-/ DRD-575	F16		150	30	-	-	-
DER-/ DRD-575	F25		150	30	-	-	-
DER-/ DRD-880	F25		150	30	-	-	-
DER-/ DRD-880	F30		150	30	-	-	-

\* at 6 bar  
vers. 11/02

Producer : **Festo** "Brand Label" page 2/2

Location : **Denkendorf D**

actuator / type	Flansch	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
QH-DR-1/4-B			20	80	Y	E 10320	N
QH-DR-3/8-B			20	80	Y	E 10320	N
QH-DR-1/2-B			20	80	Y	E 10320	N
QH-DR-3/4-B			20	80	Y	E 10320	N
QH-DR - 1 - B			20	80	Y	E 10320	N
QH-DR - 1 1/4-B			20	80	Y	E 10320	N
QH-DR - 1 1/2-B			20	80	Y	E 10320	N
QH-DR - 2 - B			20	80	Y	E 10328	N

\* at 6 bar  
vers. 11/02

Producer : **Georg Fischer +GF+**

Country / Location : **Albershausen D**

Actuator / type	DN	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with <b>ISO 5211</b>	puck order no.	**spacer necessary order no.
PA 10	10-25			Mounting set +GF+order no.: 700646817	E10327	N
PA 20	32-50			Mounting set +GF+order no.: 700646817	E10327	N
PA 30 DA/FC/FO		80	30	Y	E10327	N
PA 40 DA/FC/FO		80	30	Y	E10327	N
PA 50 DA/FC/FO		80	30	Y	E10327	N
PA 60 DA/FC/FO		80	30	Y	E10327	N
PA 70 DA/FC/FO		80	30	Y	E10327	N

Producer : **Flowserve Automax  
Mecair**

Location : **Limburg D  
Italy**

actuator / type	*double functionN m	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
SN050 / F04	19	80	20	Y	E10320	N
SN063 / F05	35	80	20	Y	E10320	N
SN085 / F07	73	80	20	Y	E10320	N
SN100 / F07	135	80	20	Y	E10320	N
SN115 / F10	225	130	30	Y	E10328	N
SN125 / F10	319	130	30	Y	E10328	N
SN150 / F12	574	130	30	Y	E10328	N
SN175 / F14	856	130	30	Y	E10328	N
SN200 / F14	1225	130	30	Y	E10328	N
Nova 250 / F16	2962	130	50	Y	E10328	2 stck. E10579
Nova 300 / F16	4379	130	50	Y	E10328	2 stck. E10579

Producer : **Grinnell (USA) Hindle Win Neotecha**

Location : **USA Charlotte, NC 28266**  
**(also GB,CH, D)**

actuator / type	*double function Nm	length		shaft height	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
		<b>A</b>	<b>B</b>				
2F03	21	80	20	Y	E10320	N	
4F04	41,3	80	20	Y	E10320	N	
8F05	75	80	20	Y	E10320	N	
12F07	122	80	20	Y	E10320	N	
20F07	206	80	20	Y	E10320	N	
35F10	375	80	20	Y	E10320	N	
55F10	595	130	30	Y	E10328	N	
70F12	727	130	30	Y	E10328	N	
100F14	1140	130	30	Y	E10328	N	
150F14	1680	130	30	Y	E10328	N	
250F16	2697	130	30	Y	E10328	N	
400F16	4543	130	30	Y	E10328	N	

Producer : **InterAPP**  
**Gemü Gebr. Müller**

Location : **CH-Rotkreuz**  
**D - Ingelfingen**

actuator / type <b>Inter App</b>	DN	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
IA 10 DA / SR		80	20	Y	E10320	N
IA 20 DA / SR		80	20	Y	E10320	N
IA 25 DA / SR		80	20	Y	E10320	N
IA 30 DA / SR		80	20	Y	E10320	N
IA 35 DA / SR		130	30	Y	E10328	N
IA 40 DA / SR		130	30	Y	E10328	N
IA 45 DA / SR		130	30	Y	E10328	N
IA 50 DA / SR		130	50	Y	E10328	2x E10579
IA 55 DA / SR						
IA 60 DA / SR		130	50	Y	E10328	2x E10579
IA 70 DA / SR		130	50	Y	E10328	2x E10579
<b>Air Oval DA..SR..DC</b>						
AO 025		80	20	Y	E10320	N
AO 055		80	20	Y	E10320	N
AO 110		80	20	Y	E10320	N
AO 190		80	20	Y	E10320	N
AO 360		130	30	Y	E10328	N

matrix valve actuators by using IND mounting kit

Producer : **HYTORK Actuators Ltd.**

Location : **Gloucester GB**  
**Lakeland Florida USA**

actuator / type	*double function Nm *	length		shaft height	actuator in accordance with ISO 5211	puck order no.	** spacer necessary order no.
		<b>A</b>	<b>B</b>				
EDF 45	32	80	30	Y	E10327	N	
EDF 70	51	80	30	Y	E10327	N	
EDF 71	51	80	20	Y	E10320	N	
EDF 130	99	80	30	Y	E10327	N	
EDF 185	140	80	30	Y	E10327	N	
EDF 186	140	80	20	Y	E10320	N	
EDF 280	216	80	30	Y	E10327	N	
EDF 425	315	80	30	Y	E10327	N	
EDF 680	514	80	30	Y	E10327	N	
EDF 1125	860	130	30	Y	E10328	N	
EDF 1370	1051	130	30	Y	E10328	N	
EDF 2585	1985	130	30	Y	E10328	N	
EDF 4580	3502	130	30	Y	E10328	N	

Genesis actuators ( Nov. 98)

GS14		80	20	Y	E10320	N
GS34		80	20	Y	E10320	N
GS64		80	20	Y	E10320	N
GS124		80	20	Y	E10320	N

\* at 6 bar  
vers. 11/02

Producer : **Ewald Kraft Apparatebau und Vertriebs GmbH** Location : **Wuppertal D**

actuator / type	*double function Nm *	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with ISO 5211	puck order no.	** spacer necessary order no.
M 002	12,1	30	8	N	-	-
M 004	48,2	80	30	Y	E10327	N
M 005	96,4	80	30	Y	E10327	N
M 006		80	30	Y	E10327	N
M 007	192,9	80	30	Y	E10327	N
M 010	385,7	80	30	Y	E10327	N
M 012	771,4	80	30	Y	E10327	N

\* at 6 bar  
vers. 11/02

Producer :  **KSB / AMRI**

Location : **Bagnolet Cedex F**  
**Frankenthal D**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
Dynactair 3		80	20	Y	E10320	N
“ 6		80	20	Y	E10320	N
“ 12		80	20	Y	E10320	N
“ 25		80	20	Y	E10320	N
“ 50		80	20	Y	E10320	N
“ 100		80	20	Y	E10320	N

Producer : metso automation  
neles automation

Location : Helsinki FIN

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
B1CU 6/20E		80	30	Y	E 11278	Included
B1CU 9/20E		80	30	Y	E 11279	Included
B1CU 11/35E		80	30	Y	E 11279	Included
B1CU 13/55E		130	30	Y	E 11280	Included
B1CU 17/55E		130	30	Y	E 11280	Included
B1CU 20/70E		130	30	Y	E 11280	Included

Producer: **norbro**

Location : **Mönchengladbach  
also Worchester GB)**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	spacer necessary order no.
05AR/BR_40	12,5			N		
10AR/BR_40	34,5	80	20	Y	E 10320	N
15AR/BR_40	65	80	20	Y	E 10320	N
20AR/BR_40	119	80	20	Y	E 10320	N
25AR/BR_40	195	80	30	Y	E 10327	N
30AR/BR_40	330	80	30	Y	E 10327	N
33AR/BR_40	607	80	30	Y	E 10327	N
35AR/BR_40	796	80	30	Y	E 10327	N
40AR/BR_40	1252	130	50	Y	E 10328	2x E10579
42AR/BR_40	2155	130	50	Y	E 10328	2x E10579
45A/B40	3316	130	50	Y	E 10328	2x E10579
50A/B40	5135	130	50	Y	E 10328	2x E10579

matrix valve actuators by using IND mounting kit

Producer: **OMAL**

Location : **Italy**

**1 of 2**

actuator / type		length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	** spacer necessary order no.
DA 8		30	15	N		
DA 15		80	20	Y	E 10320	N
DA 30		80	20	Y	E 10320	N
DA 45		80	20	Y	E 10320	N
DA 60		80	20	Y	E 10320	N
DA 90		80	20	Y	E 10320	N
DA 120		80	30	Y	E 10327	N
DA 180		80	30	Y	E 10327	N
DA 240		80	30	Y	E 10327	N
DA 360		80	30	Y	E 10327	N
DA 480		80	30	Y	E 10327	N
DA 960		80	30	Y	E 10327	N
DA 1920		80	30	Y	E 10327	N

Producer: **OMAL**

Location: **Italy**

**2 of 2**

actuator / type		length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	** spacer necessary order no.
SR 15		80	20	Y	E10320	N
SR30		80	20	Y	E10320	N
SR45		80	20	Y	E10320	N
SR60		80	30	Y	E10327	N
SR90		80	30	Y	E10327	N
SR120		80	30	Y	E10327	N
SR180		80	30	Y	E10327	N
SR240		80	30	Y	E10327	N
SR480		80	30	Y	E10327	N
SR960		80	30	Y	E10327	N



Producer : **THE ACTUATOR SPECIALIST**

**Remote Control**

Location : **Sweden**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
RCD 05-SR / DA	24/24	38	20	Y		
RCD 10-SR / DA	37/27	38	20	Y		
RCD 20-SR / DA	76/56	80	20	Y	E10320	N
RCD 30-SR / DA	142/105	80	20	Y	E10320	N
RCD 40-SR / DA	289/215	80	20	Y	E10320	N
RCD 50-SR / DA	447/327	80	20	Y	E10320	N
RCD 60-SR / DA	916/676	80	20	Y	E10320	N
RC210-SR / DA	38	36,4	20	N		
RC220-SR / DA	76	80	20	Y	E10320	N
RC230-SR / DA	145	80	20	Y	E10320	N
RC240-SR / DA	280	80	20	Y	E10320	N
RC250-SR / DA	450	80	20	Y	E10320	N
RC260-SR / DA	910	80	20	Y	E10320	N
RC 265-SR / DA	k.A.	80	20	Y	E10320	N
RC270-SR / DA	1890	130	30	Y	E10328	N
RC280-SR / DA	3800	130	30	JA	E10328	NEIN

Producer : **ROTADISK**

Country : **Germany**

actuator / type	*double function Nm	length A	shaft height B	actuator in accordance with ISO 5211	puck order no.	**spacer necessary order no.
F03 RD 2.5	30	80	20	Y	E 10320	N
F04 RD 5	60	80	20	Y	E 10320	N
F05 RD 10	120	80	20	Y	E 10320	N
F07 RD 20	240	80	20	Y	E 10320	N

F10 RD 40	480	130	30	Y	E 10328	N
F12 RD 80	960	130	30	Y	E 10328	N
F14 RD 160	1920	130	50	Y	E 10328	2x E10579
F16 RD 320	4050	130	50	Y	E 10328	2x E10579
F25 RD 640	7650	130	50	Y	E 10328	2x E10579

Producer : **Sirca International S.R.L.**

Country : **SPAIN Cornellá**

actuator / type	*double functionN m	length <b>A</b>	shaft height <b>B</b>	<b>actuator in accordance with ISO 5211</b>	puck order no.	**spacer necessary order no.
AP 1 DA / SR	17,7	80	20	Y	E 10320	N
AP 2 DA / SR	28,2	80	20	Y	E 10320	N
AP 3 DA / SR	60,0	80	20	Y	E 10320	N
AP 3,5 DA / SR	102,0	80	20	Y	E 10320	N
AP 4 DA / SR	142,0	80	20	Y	E 10320	N
AP 5 DA / SR	333,0	130	30	Y	E 10328	N
AP 6 DA / SR	680,0	130	30	Y	E 10328	N
AP 8 DA / SR	1276,0	130	50	Y	E 10328	2xE10579

matrix valve actuators by using IND mounting kit



Country : **USA Houston, GB Glasgow, D Mönchengladbach**

actuator / type	double acting actuator Nm *	length of feedback unit in mm	height of feedback unit in mm	actuator in accordance with VDI / VDE 3845 by adaptet unit	Mounting kit from KEYSTONE article Fig.no.	ifm order no.
direct mounting on actuator surface :						
79E-002				Y	MAAB 12 000 000 400	to mount together with ifm puck E10320
79E-003	40	112	46	Y		E11243
79E-006	77	112	46	Y		
79E-012	151	112	46	Y		
79E-024	301	112	46	Y		
79E-036	450	112	46	Y		
79E-065	869	112	46	Y		
79E-090	1104	112	46	Y		
NAMUR bridge mounting; actuators to DIN :						
79D-003	40	112	46+45	Y		E11243 + E11244
79D-006	77	112	46+45	Y		
79D-012	151	112	46+45	Y		
79D-024	301	112	46+45	Y		
79D-036	450	112	46+45	Y		
NAMUR bridge mounting for the other actuators :						
79D-065	869	112	46+55	Y		E11243 + E11245
79D-090	1104	112	46+55	Y		
79D-180		112	46+55	Y		
<a href="#">grafic drawing option 1,7 MB</a>		The mounting kits enable easy mounting of each IND dual sensor or IND T unit (with solenoid interface)				

\* at 6 bar  
vers. 11/02

matrix valve actuators by using IND mounting kit



Country / Location :: **USA Houston**  
**GB Glasgow D Mönchengladbach**

<b>actuator PremiAir</b>	double acting actuator Nm *	length of feedback unit in mm	height of feedback unit in mm	actuator in accordance with VDI / VDE 3845 by adaptet unit	Mounting kit from KEYSTONE article Fig.no.	ifm order no.
direct mounting on actuator surface :						
002	29			ja	MAA B12 000 000 400	E10320
004	52	112	46	ja		E11243
009	118	112	46	ja		
014	173	112	46	ja		
025	307	112	46	ja		
037	446	112	46	ja		
045	590	112	46	ja		
070	925	112	46	ja		
088	1097	112	46	Ja		
180	2241	112	46	ja		
The mounting kits enable easy mounting of each IND dual sensor or IND T unit (with solenoid interface)						

\* at 6 bar  
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Producer : **Valbia**

country / location : **Spain**

actuator / type	*double functionN m	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with ISO 5211	puck order. no.	**spacer necessary order no.
32		80	30	Y	E 10327	N
52		80	30	Y	E 10327	N
63		80	30	Y	E 10327	N
75		80	30	Y	E 10327	N
85		80	30	Y	E 10327	N
100		80	30	Y	E 10327	N
115		130 80	30	Y	E 10328 E 10327	N
125		130 80	30	Y	E 10328 E 10327	N
160		130 80	30	Y	E 10328 E 10327	N
200		130 80	30	Y	E 10328 E 10327	N

matrix valve actuators by using IND mounting kit

Producer : **XOMOX**

location : **D-Lindau**

actuator / type	*double function Nm	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with <b>ISO 5211</b>	puck order. no.	**spacer necessary order no.
R.. 001		50	15	N		
R.. 002		50	20	N		
R.. 006		80	20	Y	E 10320	N
R.. 012		80	20	Y	E 10320	N
R.. 025		80	30	Y	E 10327	N
R.. 050		80	30	Y	E 10327	N
R.. 090		80	30	Y	E 10327	N
R.. 090		80	30	Y	E 10327	N
R.. 130		130	30	Y	E 10328	N
R.. 130		130	30	Y	E 10328	N
R.. 180		130	30	Y	E 10328	N
205 – F12		130	30	Y	E 10328	N
205 – F14		130	30	Y	E 10328	N
205 – F14/R45		130	30	Y	E 10328	N
380 – F12		130	30	Y	E 10328	N
380 – F14		130	30	Y	E 10328	N
380 – F14/R45		130	30	Y	E 10328	N
630		150	30	Y	-	-
960		150	30	Y	-	-
H15		150	30	Y	-	-



Producer :

Country / Location :

actuator / type	*double function Nm *	length <b>A</b>	shaft height <b>B</b>	actuator in accordance with ISO 5211	puck order no.	** spacer ? mm necessary order no.
to be filled out by the customer					to be filled out by the sales engineer	

nf / VBP2

\* at 6 bar  
vers. 11/02