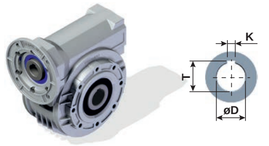
Special stainless steel hollow shaft
Mozzo in acciaio inox speciale



	øD	T	K	Code
030	14	16.3	5	MI014
045	18	20.8	6	MI018
050	25	28.3	8	MI025
063	25	28.3	8	MI025
	28	31.3	8	MI028
63A	25	28.3	8	MI025
	28	31.3	8	MI028
085	35	38.3	10	MI035
110	42	45.3	12	MI042

Suggested/Suggerito

Food, marine, corrosive and highly hygenic environments.

Industria alimentare, marina, ambienti corrosivi ad elevata igienicità.

Special stainless steel hollow shaft NEMA
Mozzo in acciaio inox speciale NEMA

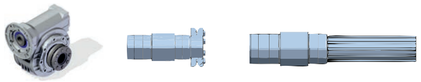
	øD	T	K	Code
045	19.05	21.3	4.76	MIU19
	0.750"	0.841"	0.1875"	
050	25.4	28.3	6.35	MIU25
	1.000"	1.114"	0.250"	
063	28.575	31.6	6.35	MIU28
	1.125"	1.245"	0.250"	
085	38.1	42.4	9.52	MIU38
	1.500"	1.670"	0.375"	

Special hollow shaft
Mozzo speciale

	øD	T	K	Code
045	20	21.8*	6	ACR20
	19	21.8	6	S series
050	24	27.3	8	S series
063	30	33.3	8	ACR30
	28	31.3	8	S series
63A	30	33.3	8	ACR30
	25	28.3	8	S series
085	38	41.3	10	ACR38
110	45	48.8	14	ACR45

* Reduced key
* Linguetta ridotta

Many special options are available on request
Altre opzioni speciali disponibili a richiesta



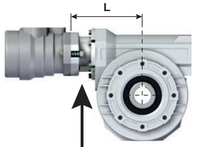
Minimum quantity 10 pieces.

Quantità minima 10 pezzi.

Hydraulic motor flanges
Flange per motore idraulico

OML8
input shaft ø16
code: **MY016**

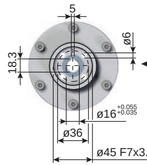
	L
050	76.5
063	93.5
63A	93.5
085	110
110	129.5



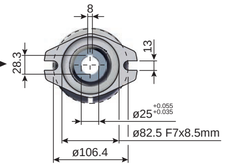
OMR50
input shaft ø25
code: **MY025**

	L
063	129
63A	129
085	148
110	167.5

OML8



OMR50



Suggested/Suggerito

Agriculture, mobile, marine.

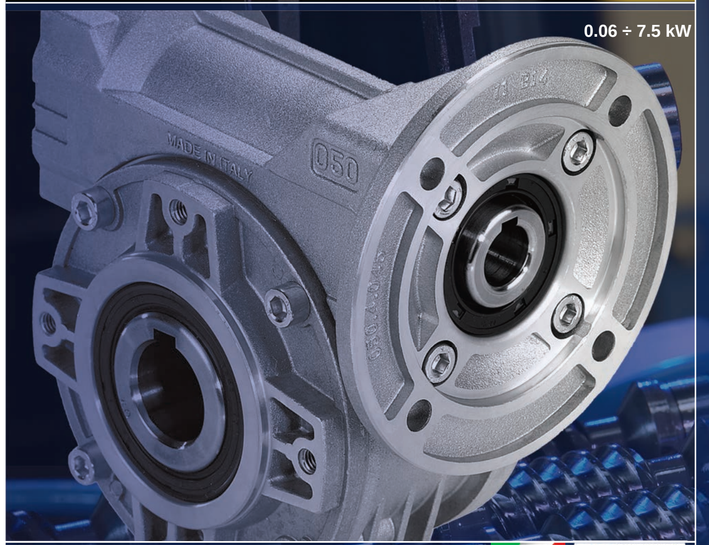
Agricoltura, machine operatrici, marino

Type Tipo	Size Grandezza	Mounting Montaggio	Ratio Rapporto	Hub Mozzo corona	Output shaft albero lento	Motor size Grandezza motore	Terminal box position Posizione morsettiera	Mounting position Posizione montaggio
P	045	PA	10	C	ø	-Q	B	B3
M	030 045 050 063 63A 085 110	FB	See technical data table Vedi tabelle dati tecnici	C STANDARD 030 ⇨ ø14 045 ⇨ ø18 050 ⇨ ø25 063 ⇨ ø25 63A ⇨ ø28 085 ⇨ ø35 110 ⇨ ø42	ø	B5 -A=56 (ø120) -B=63 (ø140) -C=71 (ø160) -D=80 (ø200) -E=90 (ø200) -F=100÷112 (ø250) -G=132 (ø300)	A	B3
P		PB			S		B STANDARD	B8
R		PA			D	B14 -O=56 (ø80) -P=63 (ø90) -Q=71 (ø105) -R=80 (ø120) -T=90 (ø140) -U=100÷112 (ø160) -V=132 (ø200)	C	B6
B		PV		I Stainless steel hub Mozzo in acciaio inox		Without flange Senza flangia -M	D	B7
		FC		Special series Serie speciale S 045⇨ø19 050⇨ø24		Type R / Tipo R -0		V5
		FL F1 F2 F3 F4		X Stainless steel hub Mozzo in acciaio inox				V6
		BR		U INCH 045⇨ø0.750" 050⇨ø1.000" 063⇨ø1.125" 085⇨ø1.500"				

DP – VF MBS – HM0 1 8 – ML

Select type and specific size on the our web site to get complete data.
Selezionare tipo e grandezza specifica nel nostro sito web per la documentazione completa.

Rightangle – Gears



Worm gearboxes Made in Italy

Via della tecnica, 19 - 36050 Sovizzo (VI) Tel.: +39 0444 551911 - Fax: +39 0444 536139
e-mail: hydromec@hydromec.com - PEC: posta@pec.hydromec.com

Also available with special options

HYDRO-MEC

Available motor flanges — Flange motore disponibili
B) Supplied with Reduction Bushing — Fornito con Bussola di Riduzione
B) Available on Request without reduction bushing — Disponibile a Richiesta senza Bussola di Riduzione
C) Motor flange holes position — Posizione fori flangia motore

input speed (n_1)=1400 min^{-1}

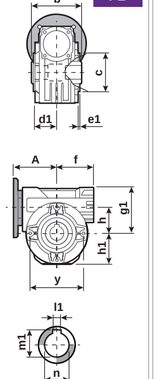
	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	56 B5	63 B5	71 B5	80 B5	90 B5	100/112 B5	132 B5	56 B14	63 B14	71 B14	80 B14	90 B14	100/112 B14	132 B14	Dynamic efficiency RD	Tooth module [mm]
030	280	**5**	0.18	5	3.3	0.60	17	B							B-C							82	1.26
21 Nm	200	**7**	0.18	7	2.4	0.44	17	B							B-C							80	1.44
	140	**10**	0.18	10	1.8	0.32	17	B							B-C							78	1.44
	93	**15**	0.18	13	1.4	0.25	19	B							B-C							73	1.44
	70	**20**	0.18	17	1.1	0.20	19	B							B-C							70	1.09
	47	**30**	0.12	15	1.4	0.17	21	B							B-C							62	1.44
	35	**40**	0.12	19	1.1	0.13	20	B							B-C							57	1.09
	23	**61**	0.09	19	1.1	0.10	20	B							B-C							50	0.72
	17.5	**80**	0.09	16	1.0	0.06	16	B							B-C							48	0.56
045	200	**7**	0.37	14	2.2	0.80	30		**B**						B-C	**B-C**						80	2.2
41 Nm	140	**10**	0.37	20	1.5	0.57	30		**B**						B-C	**B-C**						79	2.2
	100	**14**	0.37	27	1.1	0.41	30		**B**						B-C	**B-C**						77	2.4
	67	**21**	0.37	36	1.2	0.43	41		**B**						B-C	**B-C**						67	1.6
	50	**28**	0.25	31	1.3	0.33	41		**B**						B-C	**B-C**						65	2.5
	38	**37**	0.25	40	1.0	0.26	41		**B**						B-C	**B-C**						63	1.8
	30	**46**	0.25	46	0.9	0.22	41		**B**						B-C	**B-C**						59	1.5
	23	**60**	0.18	41	1.0	0.18	41		**B**						B-C	**B-C**						56	1.2
	20	**70**	0.12	31	1.0	0.12	30		**B**						B-C	**B-C**						54	1.0
	13.7	**102**	0.09	31	1.0	0.09	29		**B**						B-C	**B-C**						49	0.72
050	200	**7**	0.75	29	1.9	1.5	57			B	**B**						B-C	**B**				82	2.5
72 Nm	140	**10**	0.75	41	1.5	1.1	62			B	**B**						B-C	**B**				80	2.4
	100	**14**	0.75	57	1.2	0.90	68			B	**B**						B-C	**B**				79	2.6
	78	**18**	0.55	51	1.2	0.67	62			B	**B**						B-C	**B**				75	2.0
	54	**26**	0.55	67	1.0	0.54	66			B	**B**						B-C	**B**				69	2.7
	47	**30**	0.55	79	0.9	0.50	72			B	**B**						B-C	**B**				70	2.5
	39	**36**	0.37	63	1.2	0.43	72			B					B-C	B-C						69	2.1
	33	**43**	0.37	72	1.0	0.35	68			B					B-C	B-C						66	1.8
	28	**50**	0.25	53	1.2	0.31	66			B					B-C	B-C						62	1.5
	23	**60**	0.25	59	1.0	0.26	62			B					B-C	B-C						58	1.3
	21	**68**	0.25	66	0.9	0.22	58			B					B-C	B-C						57	1.2
	17.5	**80**	0.18	53	1.1	0.19	57			B					B-C	B-C						54	1.0
	14	**100**	0.12	41	1.3	0.15	51			B					B-C	B-C						50	0.8
063	200	**7**	1.8	71	1.8	3.2	125				B	**B**					B-C	**B-C**				83	3.1
147 Nm	140	**10**	1.8	99	1.4	2.4	134				B	**B**					B-C	**B-C**				81	3.1
	93	**15**	1.5	121	1.1	1.7	138				B	**B**					B-C	**B-C**				79	3.1
	74	**19**	1.1	111	1.2	1.4	138				B	**B**					B-C	**B-C**				78	2.6
	58	**24**	1.1	135	1.0	1.2	142				B	**B**					B-C	**B-C**				75	2.0
	47	**30**	1.1	167	0.9	0.96	146				B	**B**					B-C	**B-C**				74	3.2
	39	**36**	0.75	125	1.2	0.88	147				B	**B**					B-C	**B-C**				68	2.7
	31	**45**	0.55	111	1.2	0.67	135		B		B						B-C	C				66	2.1
	21	**67**	0.55	151	0.8	0.45	124		B		B						B-C	C				60	1.5
	17.5	**80**	0.37	115	1.0	0.38	119		B		B						B-C	C				57	1.3
	14.9	**94**	0.37	123	1.0	0.36	119		B		B						B-C	C				52	1.1
063A	200	**7**	1.8	71	2.3	4.1	162				B	**B**					B-C	**B-C**				83	3.1
191 Nm	140	**10**	1.8	99	1.7	3.1	173				B	**B**					B-C	**B-C**				81	3.1
	93	**15**	1.5	121	1.5	2.2	178				B	**B**					B-C	**B-C**				79	3.1
	74	**19**	1.5	152	1.2	1.8	178				B	**B**					B-C	**B-C**				78	2.6
	58	**24**	1.5	184	1.0	1.5	185				B	**B**					B-C	**B-C**				75	2.0
	47	**30**	1.5	227	0.8	1.3	189				B	**B**					B-C	**B-C**				74	3.2
	39	**36**	1.1	184	1.0	1.1	191				B	**B**					B-C	**B-C**				68	2.7
	31	**45**	0.75	152	1.2	0.86	175		B		B						B-C	C				66	2.1
	21	**67**	0.55	151	1.1	0.58	159		B		B						B-C	C				60	1.5
	17.5	**80**	0.37	115	1.3	0.49	153		B		B						B-C	C				57	1.3
	14.9	**94**	0.37	123	1.1	0.39	130		B		B						B-C	C				52	1.1
085	200	**7**	4.0	168	1.5	6.1	257					B	B						B	B		88	4.23
347 Nm	140	**10**	4.0	218	1.3	5.2	284					B	B						B	B		80	4.2
	100	**14**	3.0	223	1.4	4.1	305					B	B						B	B		78	4.5
	70	**20**	2.2	237	1.2	2.7	294					B	B						B	B		79	3.4
	64	**22**	2.2	258	1.1	2.5	294					B	B						B	B		78	3.1
	50	**28**	2.2	315	1.1	2.4	347					B	B						B	B		75	4.7
	37	**38**	1.5	276	1.2	1.8	336			B		B							B			71	3.5
	30	**46**	1.5	320	1.0	1.5	326			B		B							B			68	3.1
	27	**52**	1.1	258	1.1	1.2	289			B		B							B			66	2.7
	21	**67**	1.1	327	0.9	0.97	289			B		B							B			65	2.1
	18.9	**74**	0.75	220	1.2	0.91	268			B		B							B			58	1.9
	14.6	**96**	0.55	191	1.3	0.70	242			B		B							B			53	1.5
110	200	**7**	7.5	315	1.5	11.5	483					B	B						B	B		88	5.5
651 Nm	140	**10**	7.5	440	1.2	9.0	525					B	B						B	B		86	5.4
	88	**16**	5.5	492	1.1	6.0	536					B	B						B	B		82	5.3
	70	**20**	4.0	447	1.2	4.9	546					B	B						B	B		82	4.5
	61	**23**	3.0	377	1.4	4.1	515					B	B						B	B		80	3.9
	47	**30**	3.0	467	1.4	4.2	651					B	B						B	B		76	5.6
	37	**38**	3.0	583	1.1	3.3	641					B	B						B	B		75	4.7
	31	**45**	2.2	493	1.2	2.7	599					B	B						B	B		73	4.0
	26	**53**	2.2	557	1.1	2.5	620					B	B						B	B		70	3.5
	22	**64**	1.5	452	1.2	1.8	536			B		B							B			69	2.9
	16.7	**84**	1.1	410	1.2	1.3	494			B		B							B			65	2.2
	14.1	**99**	1.1	446	1.1	1.2	483			B		B							B			60	1.9

A

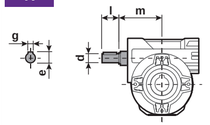
030	56B5	63B5	56B14	63B14				
	61.5	62.5	61.5	62.5				
045	63B5	71B5	56B14	63B14	71B14			
	72	70	71.5	74	71.5			
050	63B5	71B5	80B5	56B14	63B14	71B14	80B14	
	76.5	74.5	76.5	76	78.5	76	76.5	
063	63B5	71B5	80-90B5	71B14	80B14	90B14		
	99.5	97.5	99.5	97.5	98.5	99.5		
63A	63B5	71B5	80-90B5	71B14	80B14	90B14		
	99.5	97.5	99.5	97.5	98.5	99.5		
085	71B5	80-90B5	100/112B5	80B14	90B14	100/112B14		
	116	118	124	116	116	116		
110	71B5	80-90B5	100/112B5	132B5	80B14	90B14	100/112B14	132B14
	135.5	137.5	143.5	187	135.5	135.5	135.5	187

	b	c (h8)	d1	e1	f	g1	h	h1	y	l1	m1	n (H8)
030	55	ø50	30	2	40	52	30	39	65	5	16.3	14
045	65	ø50	35	2	55	72	45	49	65	6	20.8	18
050	81	ø68	38	3	65	81	50	54.5	94	8	28.3	25
063	120	ø75	45	5	79	100	63	70	90	8	28.3	25
63A	120	ø75	45	5	79	100	63	70	90	8	31.3	28
085	135	ø110	64	3.5	100	138	85	94.5	130	10	38.3	35
110	155	ø130	74	3.5	117.5	163	110	116	165	12	45.3	42

FB

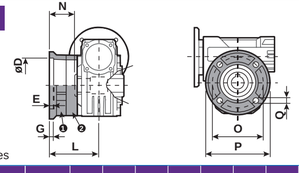


R



	Type	d (h6)	e	g	l	m
030	B	ø9	10.2	3	20	58
	S	-	-	-	-	-
045	B	ø11	12.5	4	30	68
	S	-	-	-	-	-
050	B	ø16	18	5	30	74.5
	S	ø14	16	5	30	74.5
063	B	ø18	20.5	6	45	93
	S	ø19	21.5	6	40	93
63A	B	ø18	20.5	6	45	93
	S	ø19	21.5	6	40	93
085	B	ø25	28	8	50	112
	S	ø24	27	8	50	112
110	B	ø25	28	8	50	131.5
	S	ø24	27	8	50	131.5

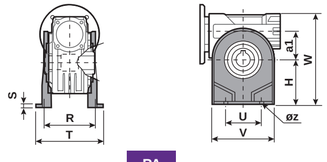
F...



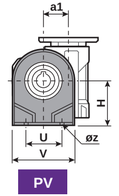
* S series

	Type	øD	E	G	L	N	O	P	Q	Kit code
030	FC	50 +0.15 +0.05	6	6	50.5	23	68	80	7	❶ K030.9.010
	FL	60 +0.15 +0.06	6	6	55.5	28	87	110	8.5	❶ K045.9.010
	F1*	40 +0.15 +0.03	3.5	5.5	49	21.5	56	80	6.5	❶ KS030.9.012
045	FC	60 +0.15 +0.05	9	9	60.5	28	87	110	8.5	❶ K045.9.010
	FL	60 +0.15 +0.06	9	9	90.5	58	87	110	8.5	❶ K045.9.010 ❷ K045.0.200
	F1*	95 +0.20 +0.15	4	11	73.5	41	115	140	9	❶ KS045.9.013
	F2*	60 +0.15 +0.05	9	9	60.5	19	87	110	8.5	❶ KS045.9.010
	F3*	80 +0.15 +0.10	3	8	51.5	19	100	120	9	❶ KS045.9.014
050	FC	70 +0.20 +0.13	9	12	85	44.5	90	123	10.5	❶ K050.9.010
	FL	70 +0.20 +0.13	9	12	114.5	74	90	123	10.5	❶ K050.9.010 ❷ K050.0.200
	F1*	110 +0.20 +0.15	4	11	83.5	43	130	160	10	❶ KS050.9.012
	F2*	70 +0.13 +0.13	9	12	76.5	36	90	123	10.5	❶ KS050.9.014
	F3*	95 +0.20 +0.13	4	10	66.5	26	115	140	10	❶ KS050.9.013
063	FC	115 +0.20 +0.15	7	13	86	26	150	175	11	❶ K063.9.010
	FL	115 +0.20 +0.15	7	13	116	56	150	175	11	❶ K063.9.010 ❷ K063.0.200
	F1*	130 +0.20 +0.15	7	13	102	42	165	200	13	❶ KS070.9.013
	F2*	115 +0.20 +0.15	7	13	116	56	150	175	11	❶ KS063.9.013
	F3*	110 +0.20 +0.035	5	11	82	22	130	160	10	❶ KS063.9.011
63A	FC	130 +0.20 +0.15	7	13	85	25	165	200	13	❶ K070.9.010
	FL	130 +0.20 +0.15	7	13	111	51	165	200	13	❶ K070.9.010 ❷ K070.0.200
	F1*	130 +0.20 +0.15	7	13	111	51	165	200	13	❶ KS070.9.014
	F2*	115 +0.20 +0.15	7	13	116	56	150	175	11	❶ KS063.9.013
	F3*	110 +0.20 +0.035	5	13.5	84.5	24.5	130	160	11	❶ KS070.9.011
085	FC	152 +0.06	5	16	108	40.5	176	205	13	❶ K085.9.010
	FL	152 +0.06	5	16	148.5	81	176	205	13	❶ K085.9.010 ❷ K085.0.201
	F1*	130 H7	5	13	117.5	50	165	200	11.5	❶ KS085.9.012
	F2*	152 +0.06 +0	5	15	147.5	80	180	205	12.5	❶ KS085.9.013
	F4*	130 H7	5	13	106.5	39	165	200	13	❶ KS085.9.015
110	FC	170 +0.083 +0.043	11	16.5	131.5	54	230	270	13	❶ K110.9.010
	FL	170 +0.083 +0.043	11	16.5	179.5	102	230	270	13	❶ K110.9.011
	F1*	180 +0.040 +0	5	18	150	72.5	215	250	15	❶ KS110.9.014
	F2*	170 +0.083 +0.043	9.5	15	178	100.5	230	270	13	❶ KS110.9.012
	F3*	180 +0.040 +0	5	18	130	52.5	215	250	15	❶ KS110.9.013

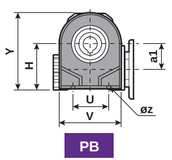
PA



PV

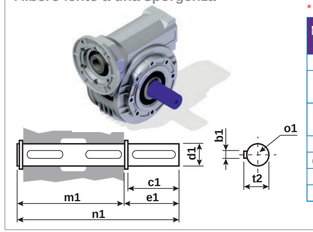


PB



	Type	a1	H	R	S	T	U	V	Y	W	øz
030	B	30	55	66	3	87	50	78	94	107	ø6.5
	S	30	52	66	3	87	52	90	91	104	ø6.5
045	B	45	72	81	3	100	52	98	121	144	ø10.5
	S	45	71	84	8	100	70	90	120	143	ø8
050	B	50	82	98.5	3.5	123	63	113	138.5	163	ø10.5
	S	50	85	96	10	114	85	110	139.5	166	ø10
063	B	63	100	111	4	144	95	133	170	200	ø10.5
	S	63	-	-	-	-	-	-	-	-	-
63A	B	63	115	115	12	142	120	156	185	215	ø11
	S	63	-	-	-	-	-	-	-	-	-
085	B	85	142	145	5	182	140	180	236.5	280	ø10.5
	S	85	-	-	-	-	-	-	-	-	-
110	B	110	170	180	22	224	200	240	286	333	ø13
	S	110	172	160	18	190	200	240	288	335	ø14

Single output shaft
Albero lento a una sporgenza



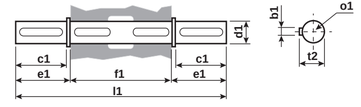
S

* S series

	b1	c1	d1 -0.005 -0.020	e1	m1	n1	o1	t2	Kit code
030	5	25	ø14	35.5	59	94.5	M5X14	16	**K0305028**
045	6	32	ø18	43	70	113	M6X18	20.5	**K0455028**
	6	40	ø19	58.5	70	128.5	M8X20	21.5	**KS0455030***
050	8	52	ø25	59.5	86.5	146	M8X20	28	**K0505028**
	8	50	ø24	68.5	86.5	155	M8X20	27	**KS0505030***
063	8	60	ø25	63.2	126.8	190	M8X20	28	**K0635028**
63A	8	60	ø28	63.5	127.5	191	M8X20	31	**K0705028**
085	10	60	ø35	73.5	141	214.5	M10X23	38	**K0855028**
110	12	75	ø42	96.5	163.5	260	M12X32	45	**K1105028**

Douple output shaft
Albero lento a doppia sporgenza

D

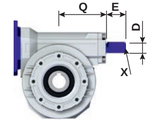


* S series

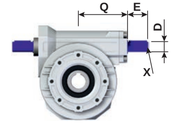
	b1	c1	d1 -0.005 -0.020	e1	m1	l1	o1	t2	Kit code
030	5	25	ø14	35.5	55	126	M5X14	16	**K0305029**
045	6	32	ø18	43	65	151	M6X18	20.5	**K0455029**
	6	40	ø19	58.5	65	182	M8X20	21.5	**KS0455031***
050	8	52	ø25	59.5	81	200	M8X20	28	**K0505029**
	8	50	ø24	68.5	81	218	M8X20	27	**KS0505031***
063	8	60	ø25	63.2	120	246.4	M8X20	28	**K0635029**
63A	8	60	ø28	63.5	120	247	M8X20	31	**K0705029**
085	10	60	ø35	73.5	135	282	M10X23	38	**K0855029**
110	12	75	ø42	96.5	155	348	M12X32	45	**K1105029**

Single input shaft - Vite con sporgenza

	D	E	Q	X
030	ø9	20	56	-
045	ø11	30	74	M5
050	ø16	30	77.5	M6
063	ø18	48	92.5	M6
63A	ø18	48	92.5	M6
085	ø25	50	121	M8
110	ø25	60	135.5	M8



PE



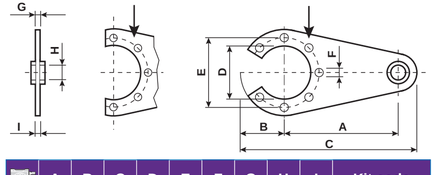
RE

Reaction arm - Braccio di reazione

BR

063 - 63A - 110
P63 - P6A - P10
633 - 6A3 - 634 - 6A4 - 115

030 - 045 - 050 - 085
P45 - P50 - P85
453 - 503 - 854



	A	B	C	D	E	F	G	H	I	Kit code
030 045	100	40	158	51	65	7	-	8.2	4	**K0459027**
050	100	55	173	69	94	7	-	8.2	4	**K0509027**
063	150	55	235	76	90	9	20	11	6	**K0639027**
63A	150	55	235	76	90	9	20	11	6	**K0709027**
085	200	80	320	111	130	11	25	21	6	**K0859027**
110	250	100	391	130.5	165	13	25	21	6	**K1109027**