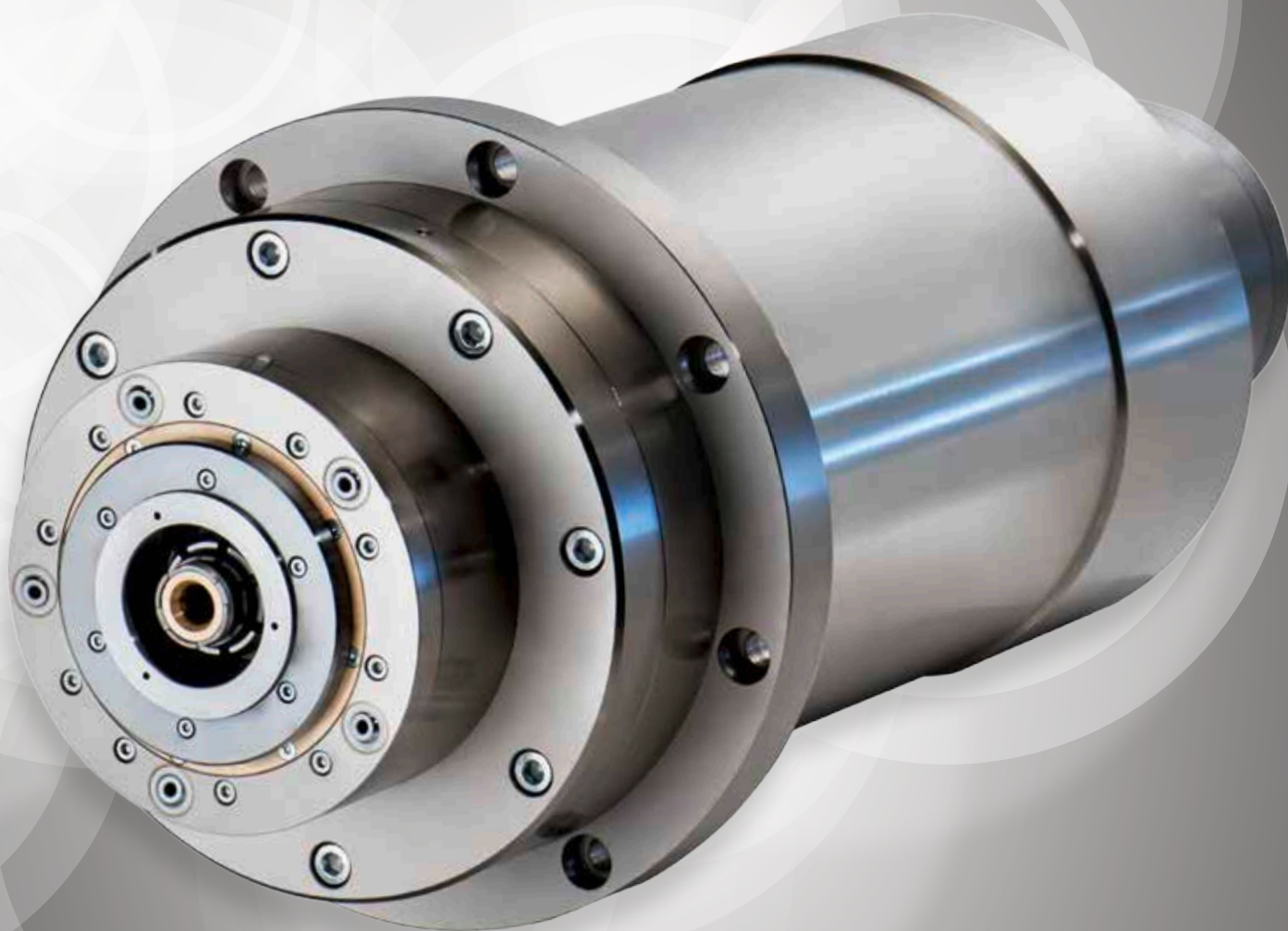




Elettromandrini per la lavorazione di Metalli,
Leghe e Materiali Compositi
Electrospindles for Metal, Alloys
& Composites machining

MORE VALUE FOR YOUR MACHINE.

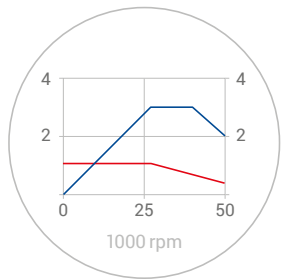
HSD[®]
MECHATRONICS



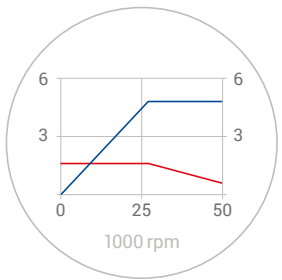
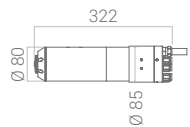
Serie con diametro corpo
da ø80 a ø170
Body diameter range
from ø80 to ø170

ELETTROMANDRINI ELECTROSPINDLES		ES327 HSK E25	ES328 HSK E25	ES329 HSK E32
Diametro Corpo Body Diameter	mm	80	90	100
Coppia S1/S6 Torque S1/S6	Nm	1/1,3Nm	1,8/2,1Nm	3,2/3,8Nm
Potenza S1/S6 Power S1/S6	kW	3/3,6kW	5/6kW	6/7,2kW
Tecnologia Motore Motor Technology		Asynchronous	Asynchronous	Asynchronous
Sbloccaggio Utensile Tool Release		Pneumatic	Pneumatic	Pneumatic
Tensione Nominale Rated Voltage	V	220 or 380	220	380
Opzione Encoder Option Encoder		No	No	No
Poli Poles		4	4	4
Cuscinetti Anter./ Posteriori Front/ Rear Bearings		Ceramic	Ceramic	Ceramic
Lubrificazione Cuscinetti Bearings Lubrication		Grease	Grease	Grease
Frequenza Massima Max Frequency	Hz	1333/1667	1667	1333
Velocità Massima Max Speed	rpm	40000 or 50000	50000	40000
Velocità Nominale Rated Speed	rpm	27000	27000	18000
Peso Weight	kg	8	10	16
Opzione Distributore Option Coolant Through Shaft		No	No	No
Raffreddamento Cooling		Liquid	Liquid	Liquid

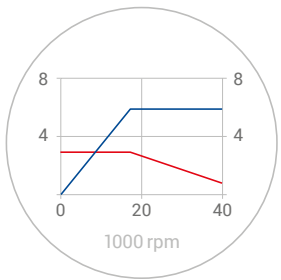
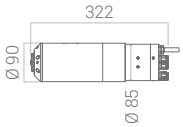
* Measurements are in mm



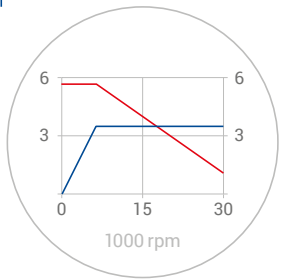
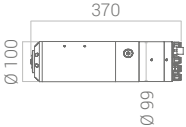
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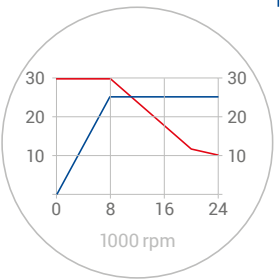
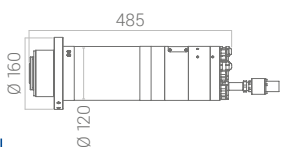
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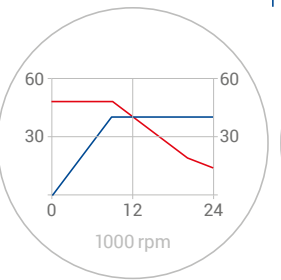
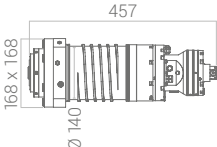
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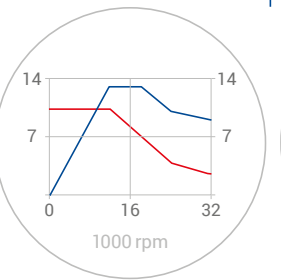
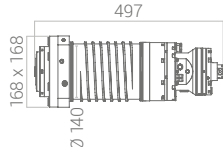
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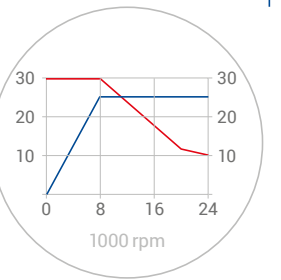
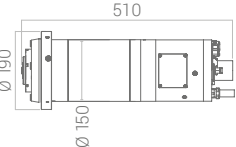
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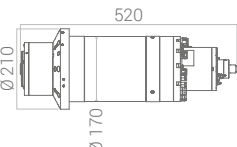
— [kW] S1
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— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1



Elettromandrine per la lavorazione di Metalli, Leghe e Materiali Compositi
Electrospindles for Metal, Alloys & Composites machining

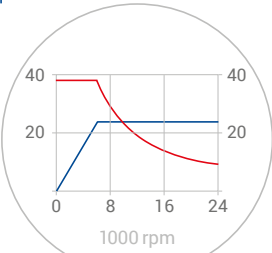
Serie con diametro
corpo da Ø180 a Ø350
Body range diameter
from Ø180 to Ø350



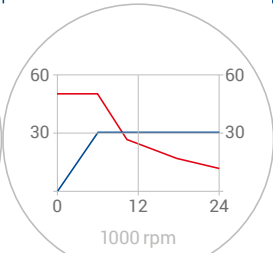
ELETTROMANDRINI
ELECTROSPINDLES

		ES510 HSK A63	ES510 HSK A63	ES510 HSK A63	ES510 HSK A63	ES510 HSK A63	ES510 HSK A100	ES511 TURNING ISO50	ES511 ISO 50/HSK A100	ES511 HSK A100
Diametro Corpo Body Diameter	mm	180	180	180	180	180	180	190	190	190
Coppia S1/S6 Torque S1/S6	Nm	38/46Nm	48/57Nm	55,7/75,2Nm	67/87,5Nm	90/120Nm	95,5/124Nm	95,5/124Nm	150/202Nm	200/241Nm
Potenza S1/S6 Power S1/S6	kW	24/28,8kW	30/36kW	70/94,5kW	42/55kW	50/67,5kW	50/65kW	50/65kW	47/63kW	63/76kW
Tecnologia Motore Motor Technology		Asynchronous	Asynchronous	Synchronous	Synchronous	Synchronous	Synchronous	Synchronous	Synchronous	Synchronous
Sbloccaggio Utensile Tool Release		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Tensione Nominale Rated Voltage	V	380	380	477	566	616	540	540	567	615
Opzione Encoder Option Encoder		LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL
Poli Poles		6	6	4	4	6	6	6	8	8
Cuscinetti Anter./ Posteriori Front/ Rear Bearings		Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Lubrificazione Cuscinetti Bearings Lubrication		Grease or Air-oil	Grease or Air-oil	Air-oil	Grease or Air-oil	Air-oil	Grease or Air-oil	Grease or Air-oil	Grease or Air-oil	Grease or Air-oil
Frequenza Massima Max Frequency	Hz	900/1200	900/1200	933	600/800	1000	600/750	600/750	533/800/866	800/866
Velocità Massima Max Speed	rpm	18000 Grease 24000 Air-oil	18000 Grease 24000 Air-oil	28000	18000 Grease 24000 Air-oil	20000	12000 Grease 15000 Air-oil	12000 Grease 15000 Air-oil	8000 Grease (ISO50) 12000 Grease (A100) 13000 Air-oil (A100)	12000 Grease 13000 Air-oil
Velocità Nominale Rated Speed	rpm	6000	6000	12000	6000	5300	5000	5000	3000	3000
Peso Weight	kg	65+30 Housing	65	65	65+30 Housing	67	80+40 Housing	93	85	105
Opzione Distributore Option Coolant Through Shaft		High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure
Raffreddamento Cooling		Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid

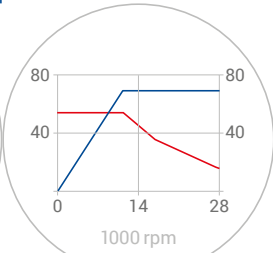
* Measurements are in mm



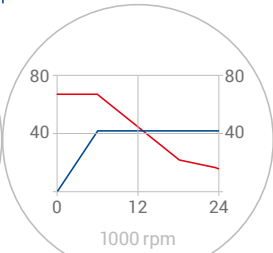
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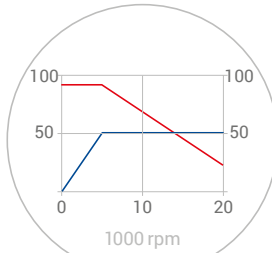
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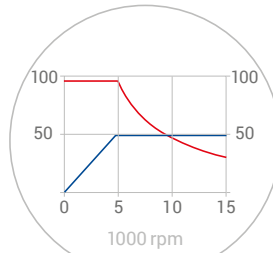
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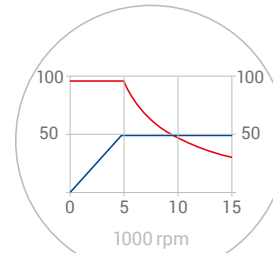
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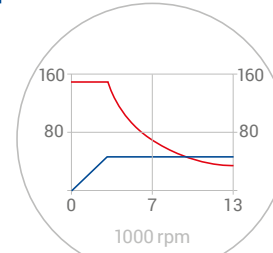
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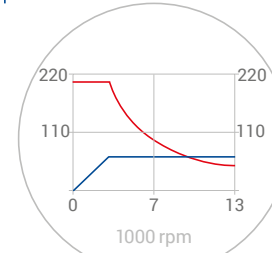
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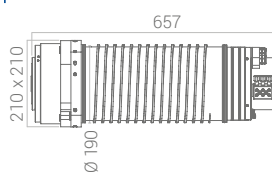
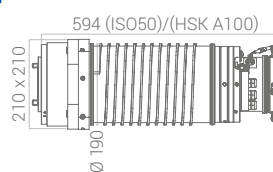
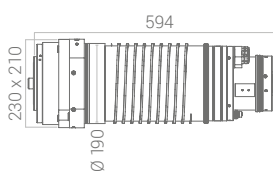
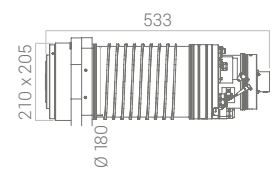
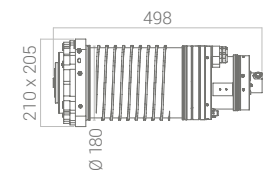
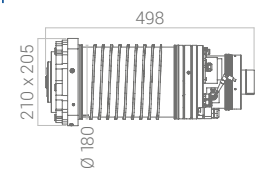
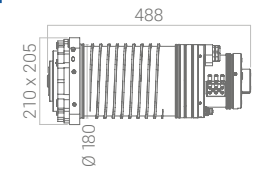
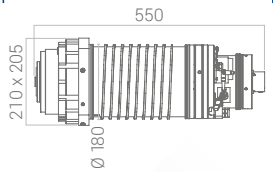
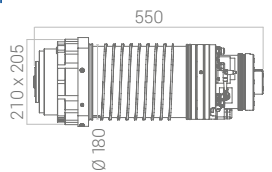


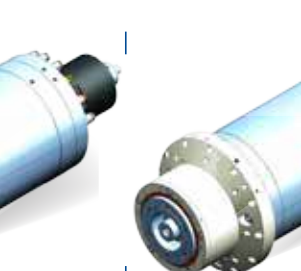
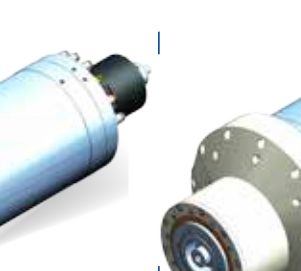
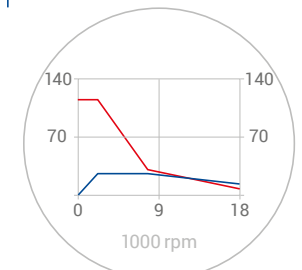
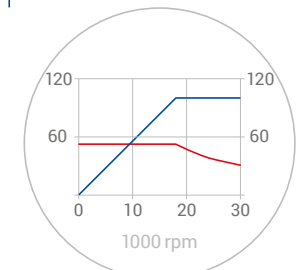
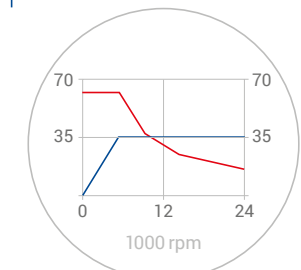
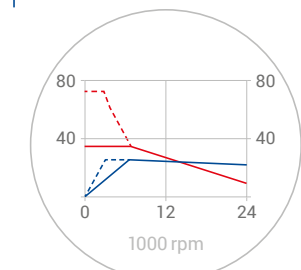
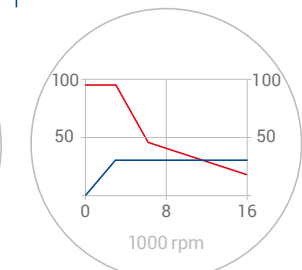
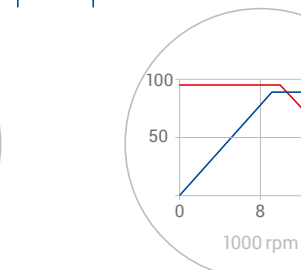
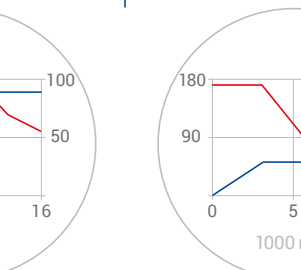
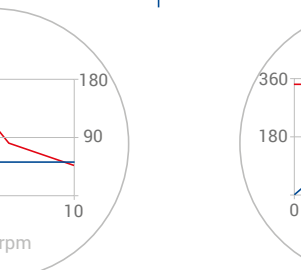
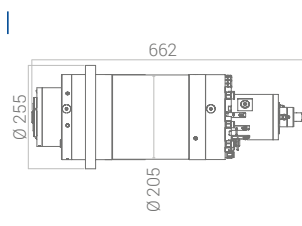
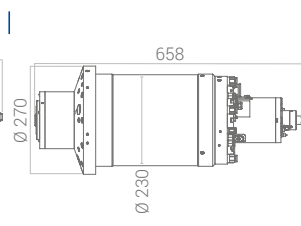
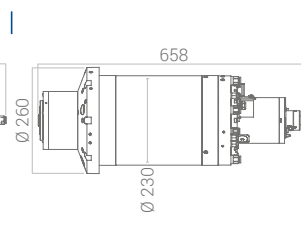
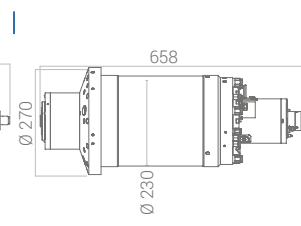
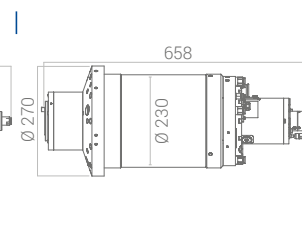
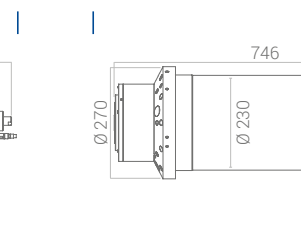
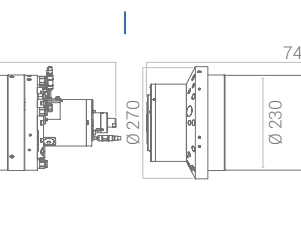
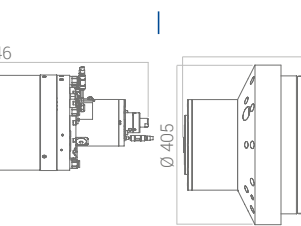
— [kW] S1
— [Nm] S1



— [kW] S1
— [Nm] S1

Technical data and illustrations are not binding and,
for the sake of continual improvement of its products,
HSD Mechatronics reserves the right to make
modifications without prior notice



									
ES550 HSK A63	ES575 HSK A63	ES575 HSK A63	ES575 HSK A63	ES575 BT40/ISO40	ES575 HSK A100	ES575 HSK A100	ES650 HSK A100		ELETTROMANDRINI ELECTROSPINDLES
210	230	230	230	230	230	230	350	mm	Diametro Corpo Body Diameter
124/149Nm	53/64Nm	61,7/74Nm	72/87Nm Y 34,5/41,5Nm Δ	95,5/114,5Nm	95,5/119Nm	170/216Nm	350/420Nm	Nm	Coppia S1/S6 Torque S1/S6
26/31kW	100/120kW	35/42kW	25/30kW Y 25/30kW Δ	30/36kW	90/112kW	54/68kW	55/66kW	kW	Potenza S1/S6 Power S1/S6
Asynchronous	Asynchronous	Asynchronous	Asynchronous Y/Δ	Asynchronous	Asynchronous	Asynchronous	Asynchronous Y/Δ		Tecnologia Motore Motor Technology
Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic		Sbloccaggio Utensile Tool Release
380	380	380	380	380	380	380	380	V	Tensione Nominale Rated Voltage
LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL	LB 1 Vpp or TTL		Opzione Encoder Option Encoder
8	4	4	4	8	4	8	8		Poli Poles
Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic		Cuscinetti Anter./ Posteriori Front/ Rear Bearings
Grease	Air-oil	Grease or Air-oil	Air-oil	Grease or Air-oil	Air-oil	Air-oil	Grease or Air-oil		Lubrificazione Cuscinetti Bearings Lubrication
1200	1000	600/800	800	1067	533	667	533/800	Hz	Frequenza Massima Max Frequency
18000	30000	18000 Grease 24000 Air-oil	24000	16000	16000	10000	8000 Grease 12000 Air-oil	rpm	Velocità Massima Max Speed
2000	18000	5400	3300 Y - 6900 Δ	3000	9000	3000	1500	rpm	Velocità Nominale Rated Speed
105	120	110	120	120	150	150	500	kg	Peso Weight
High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure	High Pressure		Opzione Distributore Option Coolant Through Shaft
Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid		Raffreddamento Cooling
									
— [kW] S1 — [Nm] S1	— [kW] S1 — [Nm] S1	— [kW] S1 — [Nm] S1	— [kW] S1Y ----- [kW] S1Δ — [Nm] S1Y ----- [Nm] S1Δ	— [kW] S1 — [Nm] S1	— [kW] S1 — [Nm] S1	— [kW] S1 — [Nm] S1	— [kW] S1 — [Nm] S1		
									

Elettromandrini per la lavorazione di Metalli, Leghe e Materiali Compositi
Electrospindles for Metal, Alloys & Composites Machining



AEROSPACE WINDOWS & FURNITURE CONSUMER ELECTRONICS AUTOMOTIVE HIGH TECH.