

**P33
Series**

Precision Drills
Perceuses de précision
Präzisions-Bohrmaschinen
Taladros de precisión
Trapani di precisione

**Standard
Equipment**

Lube free motor

Variable speed control

Drill chuck and key (on models delivered with chuck)

Moteur non lubrifié

Contrôle de la vitesse

Mandrin et clé (sur modèles livrés avec mandrin en standard)

Ölfreier Motor

Variable Geschwindigkeitskontrolle

Bohrfutter und Schlüssel (Modelle mit Bohrfutter)

Motor sin lubricación

Gatillo de velocidad variable

Portabrocas y llave (sólo modelos con portabrocas)

Motore senza lubrificazione

Grilletto a velocità variabile

Mandrino e chiavetta (modelli con Mandrino)

Specifications at 90 psi – Caractéristiques à 620 kPa – Technische Daten bezogen auf 620 kPa
Especificaciones a 620 kPa – Caratteristiche a 620 kPa



P33016-PMSL









Motor modules
Modules moteurs
Motor-Module
Módulos de motor
Motori modulari







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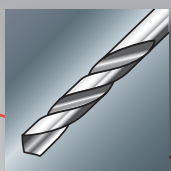
P33022-DMSL

Ref.	 rpm	 Nm	 kg	 mm	 mm	 l/min
C PISTOL GRIP / TRIGGER START — POIGNÉE RÉVOLVER / DÉM. PAR GACHETTE — PISTOLENGRIFF / DRÜCKERSTART EMPUÑADURA DE PISTOLA / MANDO POR GATILLO — IMPUGNATURA A PISTOLA / AVVIAMENTO A GRILLETTO						
P33006-PMSL	660	16	0.92	161	21.3	600
P33011-PMSL	1100	9.5	0.92	161	21.3	600
P33016-PMSL	1600	6.8	0.92	161	21.3	600
P33022-PMSL	2200	4.5	0.81	146	21.3	600
P33032-PMSL	3200	3.2	0.80	146	21.3	600
P33054-PMSL	5400	1.9	0.80	146	21.3	600
C STRAIGHT GRIP / BUTTON CONTROL — POIGNÉE DROITE / DÉM. PAR BOUTON POUSSOIR — GERADE AUSFÜHRUNG / VENTILKNOPF EMPUÑADURA RECTA / MANDO POR BOTÓN — IMPUGNATURA DIRITTA / AVVIAMENTO A PULSANTE						
P33032-DMSL-B	3200	3.2	0.64	164	22	600
P33054-DMSL-B	5400	1.9	0.63	164	22	600
C STRAIGHT GRIP / LEVER CONTROL — POIGNÉE DROITE / DÉM. PAR LEVIER — GERADE AUSFÜHRUNG / HEBELSTART EMPUÑADURA RECTA / MANDO POR PALANCA — IMPUGNATURA DIRITTA / AVVIAMENTO A LEVA						
P33006-DMSL	660	16	0.79	179	22	600
P33011-DMSL	1100	9.5	0.79	179	22	600
P33016-DMSL	1600	6.8	0.79	179	22	600
P33022-DMSL	2200	4.5	0.68	164	22	600
P33032-DMSL	3200	3.2	0.67	164	22	600
P33054-DMSL	5400	1.9	0.67	164	22	600

Series / Baureihe				
P33	0.33 kW	76 dBa	1/4" BSP	9 mm



See drill collets pages 45.
Pinces présentées page 45.
Spannzangen für Bohrmaschinen, siehe Seite 45.
Pinzas para taladros angulares presentadas en página 45.
Per le pinze per trapani, vedere pagina 45.



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Moteur
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Variable
Geschwindigkeit-
kontrolle

Motor sin
lubricación

Gatillo de
velocidad variable

Motore senza
lubrificazione






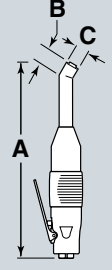
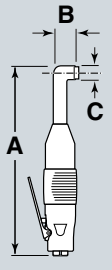
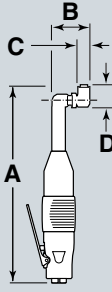
Grilletto a
velocità variabile

Specifications at 90 psi – Caractéristiques à 620 kPa – Technische Daten bezogen auf 620 kPa
 Especificaciones a 620 kPa – Caratteristiche a 620 kPa



P33022-DASL090P45



Ref.		 1 min.	 Max. Nm	 kg	 Min.-Max. mm	A	B	C	D	 l/min
		rpm	Nm	kg	mm	mm	mm	mm	mm	
C WITH 30° ANGLE HEAD — AVEC TÊTE D'ANGLE À 30° — MIT 30° WINKELKOPF — CON CABEZA ANGULAR 30° — CON TESTA AD ANGOLO 30°										
	P33006-DASL030P45	660	16	0.88	1.0 - 4.5	284	19.5	17	—	600
	P33006-DASL030P64	660	16	0.88	1.6 - 6.4	296	31.5	17	—	600
	P33011-DASL030P45	1100	9.5	0.88	1.0 - 4.5	284	19.5	17	—	600
	P33011-DASL030P64	1100	9.5	0.88	1.6 - 6.4	296	31.5	17	—	600
	P33016-DASL030P45	1600	6.8	0.88	1.0 - 4.5	284	19.5	17	—	600
	P33016-DASL030P64	1600	6.8	0.88	1.6 - 6.4	296	31.5	17	—	600
	P33022-DASL030P45	2200	4.5	0.77	1.0 - 4.5	269	19.5	17	—	600
	P33022-DASL030P64	2200	4.5	0.77	1.6 - 6.4	281	31.5	17	—	600
	P33032-DASL030P45	3200	3.2	0.76	1.0 - 4.5	269	19.5	17	—	600
	P33032-DASL030P64	3200	3.2	0.76	1.6 - 6.4	281	31.5	17	—	600
	P33054-DASL030P45	5400	1.9	0.76	1.0 - 4.5	269	19.5	17	—	600
	P33054-DASL030P64	5400	1.9	0.76	1.6 - 6.4	281	31.5	17	—	600
C WITH 90° ANGLE HEAD — AVEC TÊTE D'ANGLE À 90° — MIT 90° WINKELKOPF — CON CABEZA ANGULAR 90° — CON TESTA AD ANGOLO 90°										
	P33006-DASL090P45	660	16	0.88	1.0 - 4.5	277	31	17	—	600
	P33006-DASL090P64	660	16	0.89	1.6 - 6.4	277	43	17	—	600
	P33011-DASL090P45	1100	9.5	0.88	1.0 - 4.5	277	31	17	—	600
	P33011-DASL090P64	1100	9.5	0.89	1.6 - 6.4	277	43	17	—	600
	P33016-DASL090P45	1600	6.8	0.88	1.0 - 4.5	277	31	17	—	600
	P33016-DASL090P64	1600	6.8	0.89	1.6 - 6.4	277	43	17	—	600
	P33022-DASL090P45	2200	4.5	0.77	1.0 - 4.5	262	31	17	—	600
	P33022-DASL090P64	2200	4.5	0.78	1.6 - 6.4	262	43	17	—	600
	P33032-DASL090P45	3200	3.2	0.77	1.0 - 4.5	262	31	17	—	600
	P33032-DASL090P64	3200	3.2	0.78	1.6 - 6.4	262	43	17	—	600
	P33054-DASL090P45	5400	1.9	0.76	1.0 - 4.5	262	31	17	—	600
	P33054-DASL090P64	5400	1.9	0.77	1.6 - 6.4	262	43	17	—	600
C WITH 180° ANGLE HEAD — AVEC TÊTE D'ANGLE À 180° — MIT 180° WINKELKOPF — CON CABEZA ANGULAR 180° — CON TESTA AD ANGOLO 180°										
	P33006-DASL180P45	660	16	0.94	1.0 - 4.5	292	63.2	17	31	600
	P33006-DASL180P64	660	16	0.96	1.6 - 6.4	304	63.2	17	43	600
	P33011-DASL180P45	1100	9.5	0.94	1.0 - 4.5	292	63.2	17	31	600
	P33011-DASL180P64	1100	9.5	0.96	1.6 - 6.4	304	63.2	17	43	600
	P33016-DASL180P45	1600	6.8	0.94	1.0 - 4.5	292	63.2	17	31	600
	P33016-DASL180P64	1600	6.8	0.96	1.6 - 6.4	304	63.2	17	43	600
	P33022-DASL180P45	2200	4.5	0.83	1.0 - 4.5	277	63.2	17	31	600
	P33022-DASL180P64	2200	4.5	0.85	1.6 - 6.4	289	63.2	17	43	600
	P33032-DASL180P45	3200	3.2	0.82	1.0 - 4.5	277	63.2	17	31	600
	P33032-DASL180P64	3200	3.2	0.84	1.6 - 6.4	289	63.2	17	43	600
	P33054-DASL180P45	5400	1.9	0.82	1.0 - 4.5	277	63.2	17	31	600
	P33054-DASL180P64	5400	1.9	0.84	1.6 - 6.4	289	63.2	17	43	600