

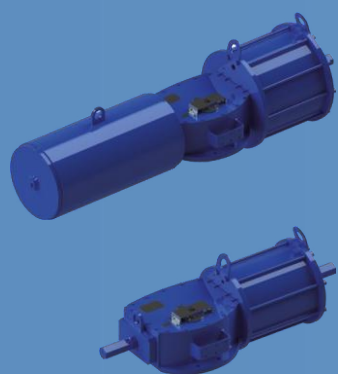
PITEL HEAVY DUTY ACTUATORS CATALOGUE





INDICE

Attuatori Pneumatici Heavy Duty

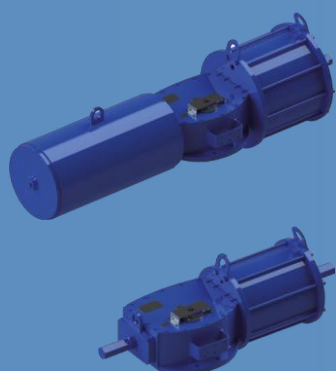


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- 2 • **Attuatore pneumatic Heavy Duty DA e SR**
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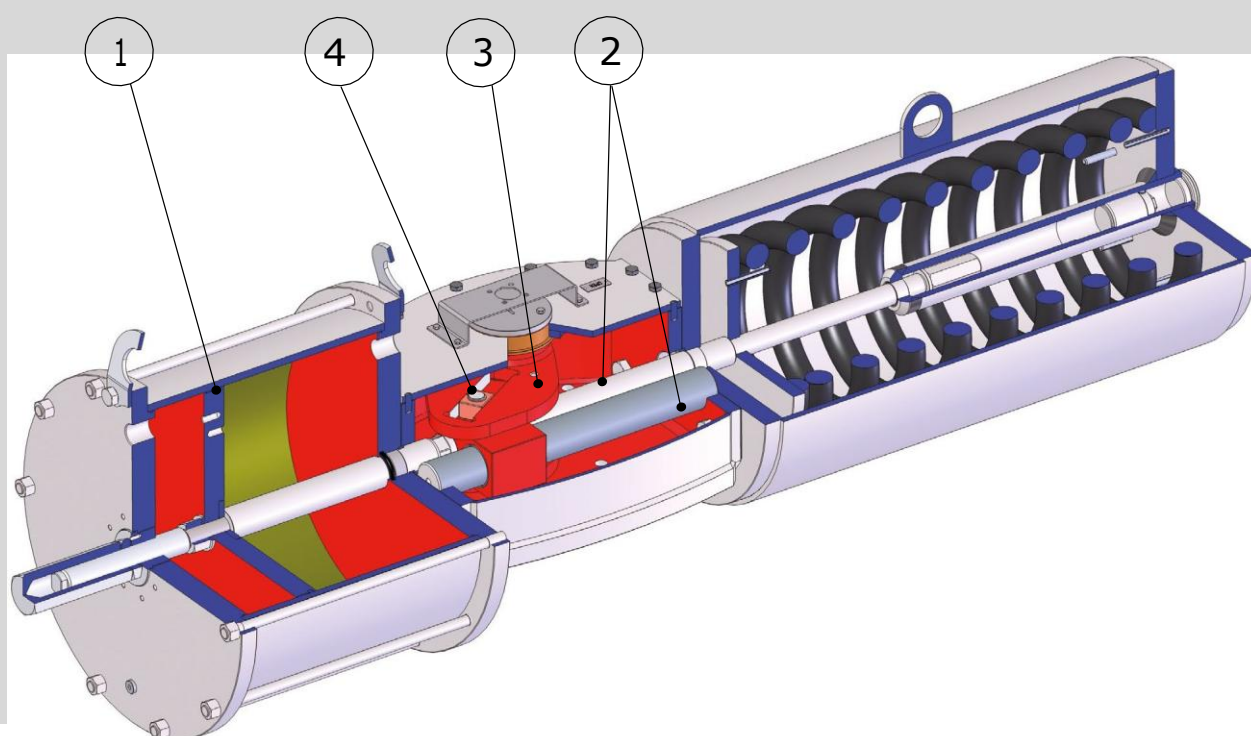
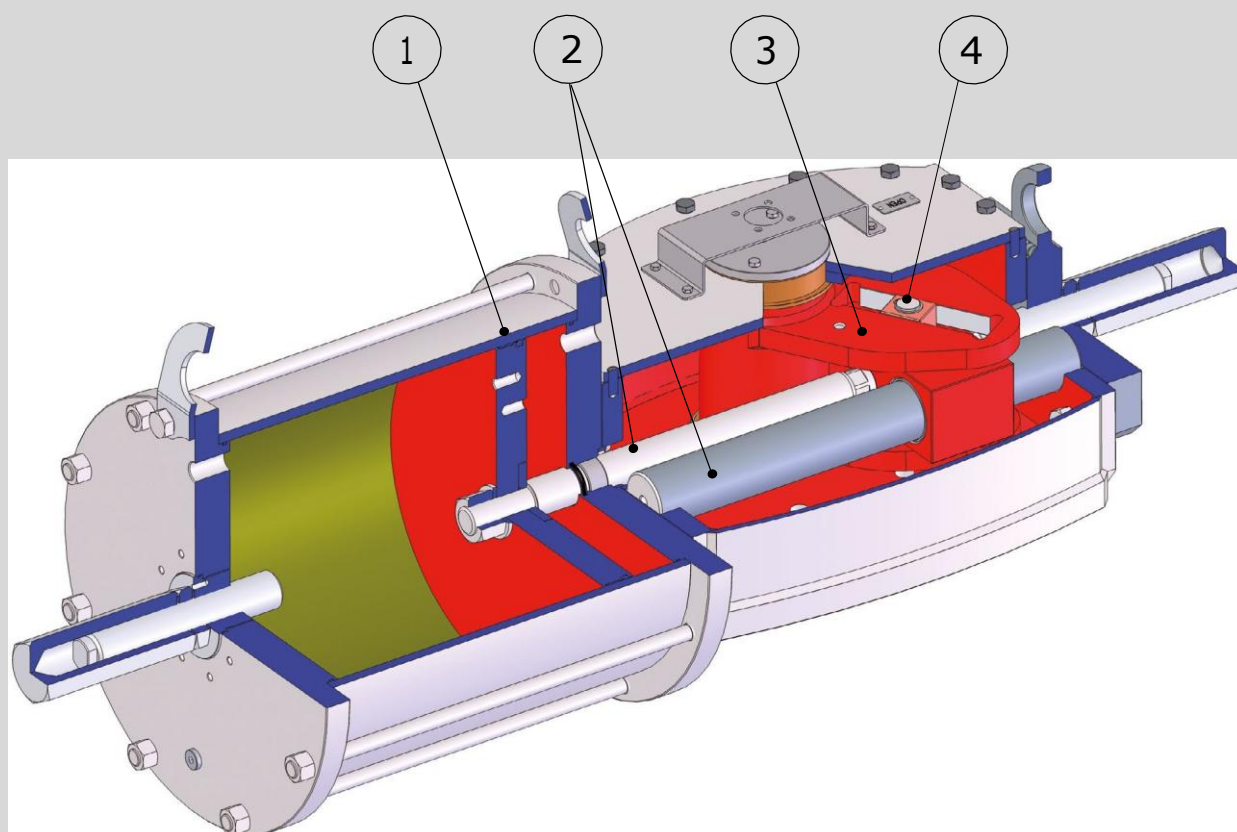
Heavy Duty Pneumatic Actuators



- 1 • *Features & Benefits*
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- 5 • *Actuator's components*
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ATTUATORI HEAVY DUTY

HEAVY DUTY ACTUATORS





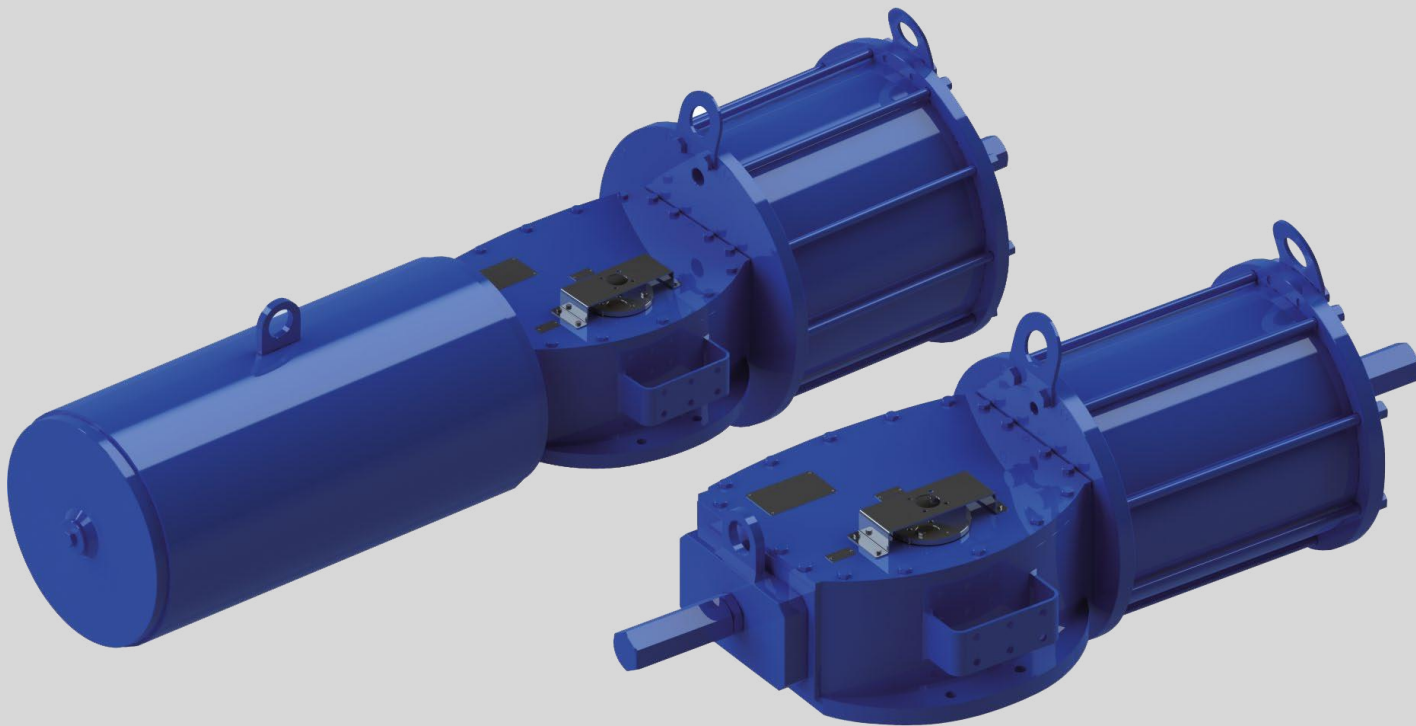
FEATURES&BENEFITS

1	Energized and self-lubricated strips.	Less friction between piston and cylinder.
		It prevents the bonding of these onto the cylinder even after long periods of inactivity.
		Reduce the "stick-slip" effect.
2	Slots, bushes and pins made in chromed steel with hardness about 200 HB.	Higher corrosion's resistance.
		Less friction between stem, guide bar and sliding bushings with consequently less wear on the relevant parts.
3	System motion conversion from linear to rotary separated from the piloting fluid of the actuator.	Ability to power the actuator with gases.
		It prevents explosive atmospheres.
4	Scotch yoke system with rolling friction (conversion of linear motion to rotary system with no gears).	Reduced friction between piston and shaft with consequently less wear on the relevant parts.
		Empowered Break Away Torque (BTO&BTC).
	Bronze bushes.	They guarantee less wear than other bushings materials.
	ATEX Compliance.	Installation is allowed in a potential explosive environment.
	Up to SIL3 Certified.	Guarantee of the high level of functional safety.



ATTUATORE PNEUMATICO HEAVY DUTY DA E SR

DA AND SR HEAVY DUTY PNEUMATIC ACTUATORS



DATITECNICI

- Coppie Nominali: da 2000Nm circa a 32.000Nm.
- Flange second DIN/ISO5211, DIN3337.
- Angolo di rotazione: 100° (-5°, +95°).
- Doppia regolazione -5° e +5° per ogni fine corsa (0° e 90°).
- Pressione di alimentazione: da 3 bar 8,5bar (per coppie e erogate, vedi tabelle).
- Per la versione doppio effetto il momento torcente è direttamente proporzionale alla pressione di alimentazione dell'attuatore.
- Per la versione semplice effetto il momento torcente di ritorno (mancanza di alimentazione nell'attuatore) dipende solo dall'azione della molla ed è indipendente dalla pressione di alimentazione.
- Esecuzioni disponibili: Doppio Effetto, ritorno a molla normalmente chiuso (NC), ritorno a molla normalmente aperto (NO).
- Configurazioni corpo centrale: Scotch Yoke simmetrica (symmetrical) oppure Scotch Yoke asimmetrica (canted).

CONDIZIONI DI ESERCIZIO

- Range di temperatura: Versione standard: -20°C a +80°C (Materiale guarnizioni: NBR).
- Fluido di alimentazione: aria compressa filtrata, non necessariamente lubrificata, gas inerti, gas tecnici
- Per temperature inferiori a 0°C usare aria secca.
- In caso di utilizzo di aria lubrificata utilizzare olio non detergente compatibile con il materiale di tenuta.

NORME DI PROGETTAZIONE

- Progettazione secondo EN 15714-3, ISO5211, ISO12490.

TECHNICAL DATA

- *Nominal Torque: from 2000Nm up to 32.000Nm.*
- *Flange according to DIN/ISO5211, DIN3337.*
- *Rotation angle: 100° (-5°, +95°).*
- *Double adjusting +5° and -5° for each end position (0° and 90°).*
- *Air supply pressure: from 3bar up to 8,5bar (for the Torque, see Tabs).*
- *For Double Acting version, the torque is directly proportional to the air supply pressure of the actuator.*
- *For the Spring Return version the "return torque" (no air supply pressure in the actuator) depends only by the Spring and it's not related to the air supply pressure.*
- *Available versions: Double Acting, Spring Return Normally Closed (NC), Spring Return Normally Open (NO).*
- *Central body versions: Scotch Yoke "Symmetrical" or Scotch Yoke (Canted).*

WORKING CONDITIONS

- *Temperature Range: Standard version: from -20°C up to +80° C (Seals material: NBR).*
- *Supply Media: Filtered compressed air, not necessarily lubricated, inert gases, technical gas.*
- *For temperature lower than 0°C please use dry air.*
- *In case of lubricate air, please use non detergent oil compatible with the seals.*

ENGINEERING STANDARD

- *Design according to EN15714-3, ISO5211, ISO12490.*



PITEL STANDARD PAINT SPECIFICATION

The Painting of the Heavy Duty Actuators (Standard PITEL), mentioned in the Tab, allows the outdoor installation of the actuators; chemical plants, gas pipelines, refineries and Off-Shore applications.

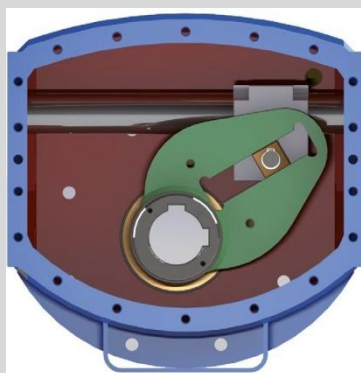
On request are available painting cycles according to customer's specifications.

PREPARAZIONE DELLA SUPERFICIE SURFACE PREPARATION		SABBIATURA GRADA SA 2.1/2 SANDBLASTING TO GRADE SA 2.1/2
RIVESTIMENTO COAT	TIPO DI VERNICE TYPE OF PAINT	SPESSORE DRY FILM THICKNESS
Prima mano <i>Primer coat</i>	Zincante inorganico <i>Inorganic zinc primer</i>	75μ
Mano intermedia <i>Intermediate coat</i>	Epoxy	110μ
Mano finale <i>Final coat</i>	Poliuretano <i>Polyurethan</i>	40μ
SPESSORE TOTALE TOTAL DRY FILM THICKNESS		225μ

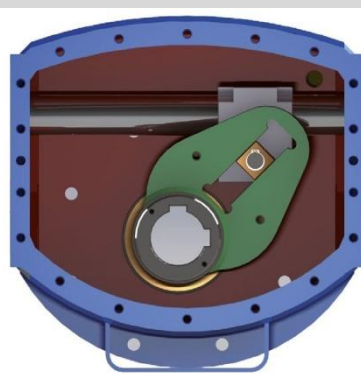
Verniciatura Standard: RAL5010 Standard Paint: RAL5010

CORPO CENTRALE - CONFIGURAZIONI DISPONIBILI CENTRAL BODY - AVAILABLE CONFIGURATIONS

DESIGN ASIMMETRICO
CANTED DESIGN



DESIGN SIMMETRICO
SYMMETRICAL DESIGN



DESIGN ASIMMETRICO

- Coppia di spunto di aperture (BTO) molto alta, con un forte calo del valore della coppia erogata nella fase conclusiva (ETO) della manovra di apertura. Coppia di spunto di chiusura (BTC) molto bassa, con un forte aumento del valore della coppia erogata nella fase conclusiva (ETC).

CANTED DESIGN

- Very high Break to Open Torque, with a huge drop during the final step of the opening operation (ETO). Break to Close Torque much lower than the Break to Open Torque.

DESIGN SIMMETRICO

- Curva della coppia più equilibrata, i valori di BTO-ETO BTC-ETC sono simili.

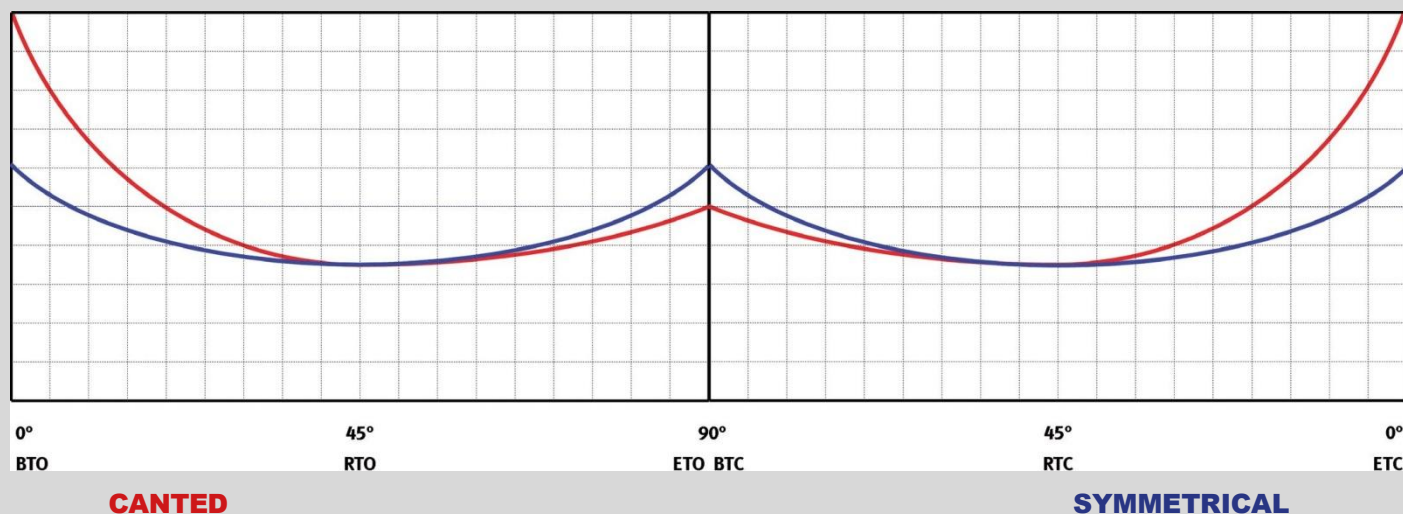
SYMMETRICAL DESIGN

- The curve of the Torque is more balanced; the BTO (break to open)–ETO (end to open)–BTC (break to close)–ETC (end to close) values are similar.



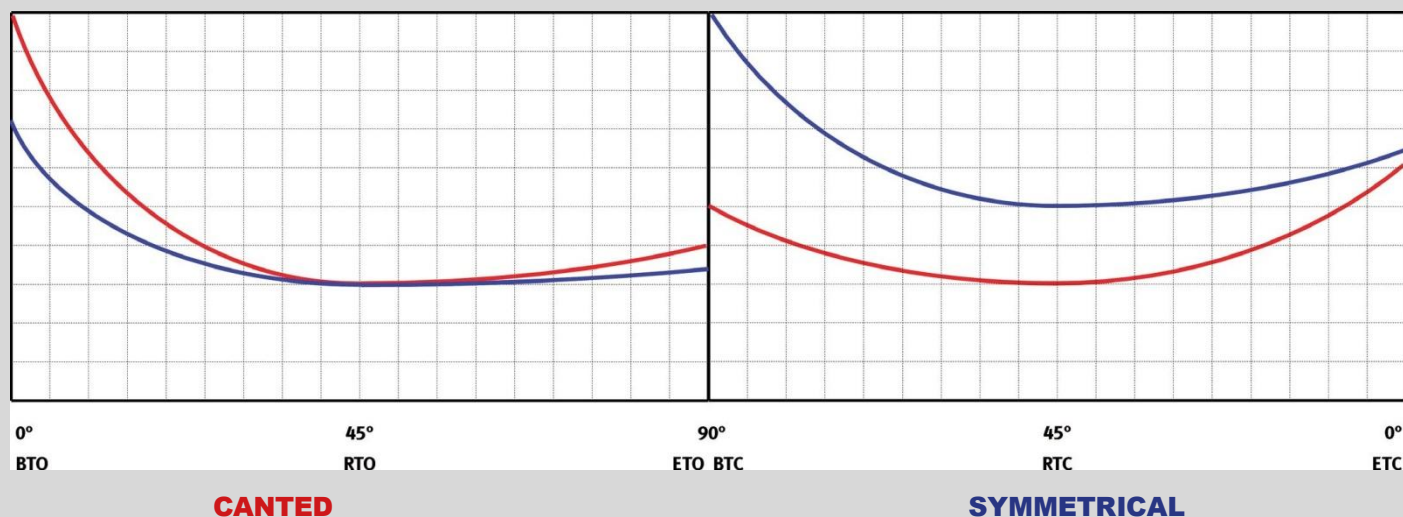
DA-TABELLA COPPIE (moment torcenti)

DA-TORQUE TABLE



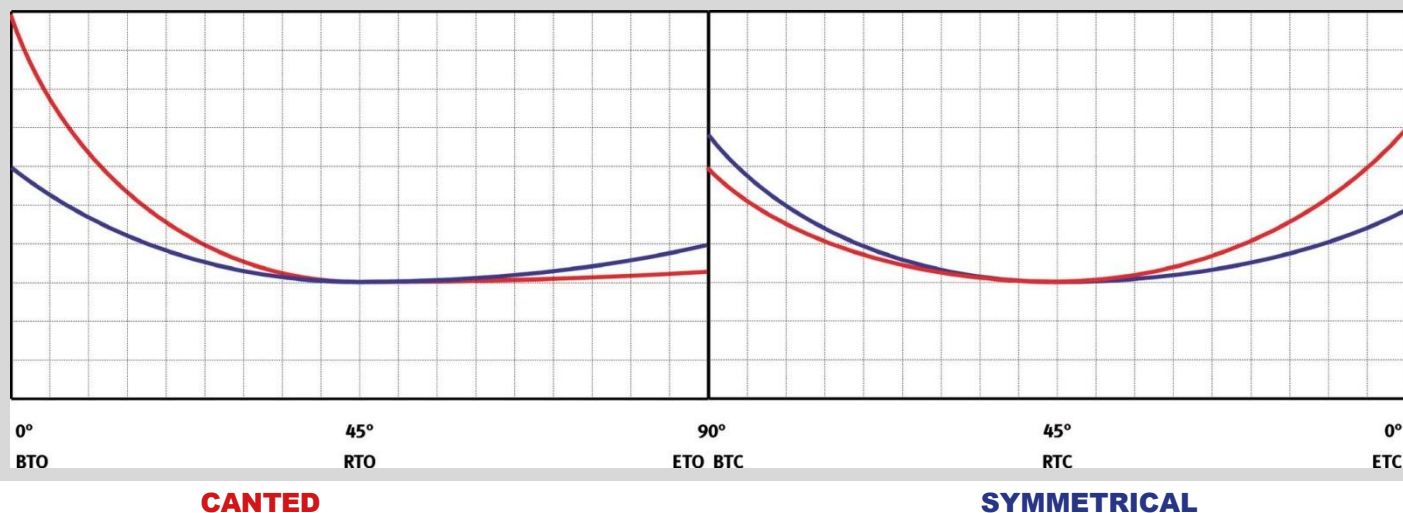
SR NORMALMENTE CHIUSO-TABELLA COPPIE (moment torcenti)

SR NORMALLY CLOSED-TORQUETABLE



SR NORMALMENTE APERTO-TABELLA COPPIE (moment torcenti)

SR NORMALLY OPEN-TORQUE TABLE





DA-TABELLA COPPIE (moment torcenti)

DA-TORQUE TABLE

Model Number	Max torque Nm	3 BAR CANTED Torque Output (Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	2.327	908	1.289	1.229	895	2.528
DAPT-085C-280A-D1	9.000	3.304	1.290	1.830	1.754	1.278	3.607
DAPT-085C-335A-D1	9.000	4.730	1.847	2.620	2.513	1.830	5.167
DAPT-085C-385A-D1	9.000	6.269	2.448	3.472	3.340	2.433	6.867
DAPT-085C-435A-D1	9.000	8.030	3.135	4.448	4.286	3.122	8.812
DAPT-100C-335A-D1	18.000	5.637	2.229	3.122	2.995	2.238	6.157
DAPT-100C-385A-D1	18.000	7.471	2.955	4.138	3.980	2.974	8.183
DAPT-100C-435A-D1	18.000	9.570	3.785	5.300	5.107	3.816	10.502
DAPT-100C-485A-D1	18.000	11.896	4.705	6.589	6.357	4.750	13.071
DAPT-100C-535A-D1	18.000	14.441	5.665	7.921	7.664	5.625	15.794
DAPT-130C-385A-D1	32.000	9.808	3.830	5.433	5.212	3.797	10.715
DAPT-130C-435A-D1	32.000	12.564	4.906	6.960	6.677	4.864	13.728
DAPT-130C-485A-D1	32.000	15.618	6.098	8.651	8.319	6.060	17.102
DAPT-130C-535A-D1	32.000	19.069	7.446	10.563	10.173	7.410	20.914
DAPT-130C-585A-D1	32.000	22.877	8.933	12.672	12.219	8.901	25.121
DAPT-130C-635A-D1	32.000	27.046	10.561	14.982	14.459	10.533	29.725

Model Number	Max torque Nm	3 BAR SYMMETRICAL Torque Output (Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	1.482	920	1.620	1.457	906	1.593
DAPT-085S-280A-D1	9.000	2.104	1.306	2.300	2.079	1.293	2.273
DAPT-085S-335A-D1	9.000	3.012	1.870	3.293	2.979	1.852	3.256
DAPT-085S-385A-D1	9.000	3.992	2.478	4.364	3.959	2.462	4.327
DAPT-085S-435A-D1	9.000	5.114	3.174	5.590	5.080	3.160	5.553
DAPT-100S-335A-D1	18.000	3.585	2.225	3.918	3.532	2.197	3.861
DAPT-100S-385A-D1	18.000	4.751	2.949	5.193	4.699	2.922	5.136
DAPT-100S-435A-D1	18.000	6.086	3.778	6.652	6.020	3.744	6.580
DAPT-100S-485A-D1	18.000	7.565	4.696	8.269	7.499	4.664	8.197
DAPT-100S-535A-D1	18.000	9.172	5.732	10.116	9.107	5.692	10.044
DAPT-100S-585A-D1	18.000	10.966	6.854	12.095	10.901	6.813	12.024
DAPT-130S-385A-D1	32.000	6.247	3.877	6.828	6.178	3.842	6.753
DAPT-130S-435A-D1	32.000	8.002	4.967	8.746	7.915	4.922	8.651
DAPT-130S-485A-D1	32.000	9.947	6.174	10.873	9.860	6.132	10.777
DAPT-130S-535A-D1	32.000	12.145	7.539	13.275	12.058	7.499	13.180
DAPT-130S-585A-D1	32.000	14.570	9.044	15.926	14.483	9.008	15.831
DAPT-130S-635A-D1	32.000	17.225	10.692	18.828	17.138	10.659	18.733

Model Number	Max torque Nm	3,5 BAR CANTED Torque Output (Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	2.725	1.064	1.509	1.439	1.048	2.960
DAPT-085C-280A-D1	9.000	3.868	1.510	2.143	2.054	1.496	4.223
DAPT-085C-335A-D1	9.000	5.537	2.162	3.067	2.942	2.143	6.049
DAPT-085C-385A-D1	9.000	7.335	2.864	4.063	3.908	2.847	8.035
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	6.589	2.573	3.650	3.489	2.541	7.173
DAPT-100C-385A-D1	18.000	8.729	3.408	4.835	4.638	3.379	9.536
DAPT-100C-435A-D1	18.000	11.176	4.364	6.190	5.940	4.327	12.211
DAPT-100C-485A-D1	18.000	13.879	5.489	7.687	7.417	5.542	15.250
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	11.476	4.481	6.357	6.099	4.443	12.538
DAPT-130C-435A-D1	32.000	14.694	5.737	8.139	7.809	5.689	16.055
DAPT-130C-485A-D1	32.000	18.266	7.132	10.118	9.729	7.087	20.001
DAPT-130C-535A-D1	32.000	22.290	8.704	12.347	11.891	8.662	24.447
DAPT-130C-585A-D1	32.000	26.729	10.437	14.806	14.276	10.400	29.350
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	3,5 BAR SYMMETRICAL Torque Output (Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	1.735	1.077	1.897	1.706	1.061	1.865
DAPT-085S-280A-D1	9.000	2.463	1.529	2.693	2.435	1.514	2.661
DAPT-085S-335A-D1	9.000	3.526	2.189	3.855	3.487	2.169	3.812
DAPT-085S-385A-D1	9.000	4.671	2.900	5.106	4.632	2.881	5.063
DAPT-085S-435A-D1	9.000	5.981	3.712	6.538	5.942	3.695	6.495
DAPT-100S-335A-D1	18.000	4.196	2.605	4.587	4.135	2.572	4.520
DAPT-100S-385A-D1	18.000	5.559	3.451	6.076	5.498	3.419	6.010
DAPT-100S-435A-D1	18.000	7.117	4.418	7.780	7.040	4.379	7.695
DAPT-100S-485A-D1	18.000	8.848	5.492	9.671	8.770	5.455	9.587
DAPT-100S-535A-D1	18.000	10.700	6.688	11.802	10.625	6.641	11.718
DAPT-100S-585A-D1	18.000	12.794	7.996	14.111	12.718	7.949	14.027
DAPT-130S-385A-D1	32.000	7.309	4.537	7.989	7.229	4.496	7.901
DAPT-130S-435A-D1	32.000	9.358	5.809	10.229	9.256	5.757	10.118
DAPT-130S-485A-D1	32.000	11.633	7.221	12.716	11.531	7.172	12.604
DAPT-130S-535A-D1	32.000	14.196	8.812	15.517	14.095	8.766	15.406
DAPT-130S-585A-D1	32.000	17.023	10.567	18.607	16.921	10.524	18.496
DAPT-130S-635A-D1	32.000	20.115	12.486	21.987	20.013	12.448	21.876



DA-TABELLA COPPIE (moment torcenti)

DA-TORQUE TABLE

Model Number	Max torque Nm	4 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	3.122	1.219	1.729	1.649	1.201	3.391
DAPT-085C-280A-D1	9.000	4.432	1.730	2.455	2.353	1.714	4.839
DAPT-085C-335A-D1	9.000	6.345	2.477	3.514	3.371	2.456	6.931
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	7.561	2.990	4.188	4.017	3.001	8.259
DAPT-100C-385A-D1	18.000	10.012	3.959	5.545	5.334	3.985	10.967
DAPT-100C-435A-D1	18.000	12.813	5.068	7.097	6.839	5.110	14.062
DAPT-100C-485A-D1	18.000	15.928	6.299	8.822	8.512	6.360	17.503
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	13.145	5.132	7.281	6.985	5.089	14.361
DAPT-130C-435A-D1	32.000	16.823	6.569	9.319	8.941	6.513	18.383
DAPT-130C-485A-D1	32.000	20.913	8.166	11.584	11.139	8.114	22.900
DAPT-130C-535A-D1	32.000	25.512	9.962	14.132	13.610	9.914	27.980
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	4 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	1.988	1.234	2.173	1.955	1.216	2.137
DAPT-085S-280A-D1	9.000	2.823	1.752	3.085	2.790	1.735	3.049
DAPT-085S-335A-D1	9.000	4.041	2.508	4.417	3.996	2.485	4.368
DAPT-085S-385A-D1	9.000	5.350	3.321	5.848	5.305	3.300	5.799
DAPT-085S-435A-D1	9.000	6.848	4.251	7.485	6.803	4.231	7.436
DAPT-100S-335A-D1	18.000	4.808	2.985	5.256	4.739	2.947	5.180
DAPT-100S-385A-D1	18.000	6.367	3.952	6.960	6.297	3.917	6.883
DAPT-100S-435A-D1	18.000	8.149	5.058	8.907	8.061	5.013	8.811
DAPT-100S-485A-D1	18.000	10.130	6.288	11.073	10.042	6.246	10.976
DAPT-100S-535A-D1	18.000	12.229	7.643	13.488	12.143	7.589	13.392
DAPT-100S-585A-D1	18.000	14.622	9.139	16.127	14.535	9.085	16.031
DAPT-130S-385A-D1	32.000	8.371	5.196	9.150	8.280	5.150	9.050
DAPT-130S-435A-D1	32.000	10.714	6.651	11.711	10.598	6.592	11.584
DAPT-130S-485A-D1	32.000	13.319	8.268	14.558	13.203	8.212	14.431
DAPT-130S-535A-D1	32.000	16.248	10.086	17.760	16.132	10.033	17.633
DAPT-130S-585A-D1	32.000	19.476	12.089	21.288	19.360	12.041	21.161
DAPT-130S-635A-D1	32.000	23.005	14.280	25.146	22.889	14.236	25.019

Model Number	Max torque Nm	4,5 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	3.553	1.394	1.949	1.857	1.363	3.826
DAPT-085C-280A-D1	9.000	5.044	1.978	2.766	2.653	1.947	5.468
DAPT-085C-335A-D1	9.000	7.220	2.832	3.960	3.816	2.801	7.865
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	8.493	3.332	4.659	4.490	3.295	9.253
DAPT-100C-385A-D1	18.000	11.218	4.400	6.153	5.946	4.364	12.254
DAPT-100C-435A-D1	18.000	14.321	5.618	7.855	7.572	5.557	15.605
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	14.833	5.792	8.216	7.883	5.742	16.206
DAPT-130C-435A-D1	32.000	18.974	7.409	10.510	10.085	7.347	20.733
DAPT-130C-485A-D1	32.000	23.586	9.210	13.065	12.563	9.152	25.829
DAPT-130C-535A-D1	32.000	28.701	11.207	15.899	15.311	11.153	31.478
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	4,5 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	2.256	1.410	2.489	2.206	1.379	2.433
DAPT-085S-280A-D1	9.000	3.203	2.002	3.533	3.153	1.971	3.478
DAPT-085S-335A-D1	9.000	4.585	2.866	5.057	4.535	2.834	5.002
DAPT-085S-385A-D1	9.000	6.056	3.785	6.679	6.006	3.754	6.624
DAPT-085S-435A-D1	9.000	7.731	4.832	8.527	7.681	4.801	8.472
DAPT-100S-335A-D1	18.000	5.394	3.371	5.949	5.335	3.335	5.885
DAPT-100S-385A-D1	18.000	7.125	4.453	7.858	7.066	4.416	7.793
DAPT-100S-435A-D1	18.000	9.095	5.685	10.032	8.998	5.624	9.924
DAPT-100S-485A-D1	18.000	11.306	7.067	12.470	11.209	7.006	12.363
DAPT-100S-535A-D1	18.000	13.758	8.599	15.174	13.660	8.538	15.067
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	9.446	5.864	10.326	9.344	5.811	10.213
DAPT-130S-435A-D1	32.000	12.084	7.501	13.208	11.954	7.435	13.066
DAPT-130S-485A-D1	32.000	15.022	9.325	16.420	14.891	9.262	16.277
DAPT-130S-535A-D1	32.000	18.316	11.370	20.021	18.185	11.310	19.877
DAPT-130S-585A-D1	32.000	21.944	13.622	23.986	21.813	13.567	23.843
DAPT-130S-635A-D1	32.000	25.907	16.081	28.318	25.776	16.032	28.175



DA-TABELLA COPPIE (moment torcenti)

DA-TORQUE TABLE

Model Number	Max torque Nm	5 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	3.916	1.529	2.169	2.069	1.507	4.255
DAPT-085C-280A-D1	9.000	5.560	2.171	3.080	2.953	2.151	6.070
DAPT-085C-335A-D1	9.000	7.959	3.108	4.409	4.229	3.081	8.695
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	9.471	3.698	5.246	5.015	3.653	10.311
DAPT-100C-385A-D1	18.000	12.535	4.894	6.943	6.662	4.853	13.696
DAPT-100C-435A-D1	18.000	15.994	6.245	8.860	8.501	6.193	17.476
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	16.481	6.435	9.129	8.759	6.380	18.007
DAPT-130C-435A-D1	32.000	21.082	8.232	11.678	11.205	8.163	23.037
DAPT-130C-485A-D1	32.000	26.207	10.233	14.517	13.959	10.169	28.699
DAPT-130C-535A-D1	32.000						
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	5 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	2.494	1.548	2.726	2.453	1.525	2.681
DAPT-085S-280A-D1	9.000	3.541	2.198	3.870	3.500	2.177	3.825
DAPT-085S-335A-D1	9.000	5.069	3.146	5.541	5.013	3.118	5.479
DAPT-085S-385A-D1	9.000	6.708	4.164	7.333	6.652	4.137	7.271
DAPT-085S-435A-D1	9.000						
DAPT-100S-335A-D1	18.000	6.032	3.744	6.593	5.945	3.697	6.498
DAPT-100S-385A-D1	18.000	7.983	4.955	8.726	7.896	4.911	8.631
DAPT-100S-435A-D1	18.000	10.212	6.339	11.163	10.102	6.283	11.042
DAPT-100S-485A-D1	18.000	12.695	7.880	13.876	12.584	7.827	13.756
DAPT-100S-535A-D1	18.000	15.286	9.554	16.860	15.178	9.486	16.741
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	10.496	6.515	11.473	10.382	6.457	11.348
DAPT-130S-435A-D1	32.000	13.427	8.334	14.676	13.282	8.261	14.518
DAPT-130S-485A-D1	32.000	16.691	10.361	18.244	16.546	10.291	18.086
DAPT-130S-535A-D1	32.000	20.351	12.633	22.245	20.206	12.567	22.086
DAPT-130S-585A-D1	32.000	24.382	15.135	26.651	24.237	15.074	26.492
DAPT-130S-635A-D1	32.000	28.785	17.868	31.464	28.640	17.813	31.306

Model Number	Max torque Nm	5,5 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	4.342	1.703	2.382	2.269	1.665	4.677
DAPT-085C-280A-D1	9.000	6.164	2.418	3.381	3.243	2.380	6.684
DAPT-085C-335A-D1	9.000						
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	10.381	4.072	5.694	5.487	4.028	11.309
DAPT-100C-385A-D1	18.000	13.711	5.378	7.521	7.267	5.334	14.977
DAPT-100C-435A-D1	18.000						
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	18.149	7.087	10.053	9.645	7.026	19.830
DAPT-130C-435A-D1	32.000	23.212	9.063	12.858	12.337	8.987	25.364
DAPT-130C-485A-D1	32.000	28.855	11.267	15.984	15.370	11.196	31.598
DAPT-130C-535A-D1	32.000						
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	5,5 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	2.747	1.705	3.003	2.702	1.680	2.953
DAPT-085S-280A-D1	9.000	3.900	2.421	4.263	3.855	2.397	4.213
DAPT-085S-335A-D1	9.000	5.583	3.465	6.102	5.521	3.434	6.035
DAPT-085S-385A-D1	9.000	7.388	4.586	8.075	7.326	4.556	8.008
DAPT-085S-435A-D1	9.000						
DAPT-100S-335A-D1	18.000	6.644	4.124	7.262	6.548	4.072	7.157
DAPT-100S-385A-D1	18.000	8.791	5.457	9.609	8.695	5.408	9.505
DAPT-100S-435A-D1	18.000	11.244	6.979	12.290	11.122	6.918	12.157
DAPT-100S-485A-D1	18.000						
DAPT-100S-535A-D1	18.000						
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	11.559	7.175	12.634	11.432	7.111	12.496
DAPT-130S-435A-D1	32.000	14.783	9.176	16.159	14.623	9.095	15.984
DAPT-130S-485A-D1	32.000	18.377	11.407	20.087	18.217	11.330	19.913
DAPT-130S-535A-D1	32.000	22.402	13.906	24.487	22.243	13.834	24.313
DAPT-130S-585A-D1	32.000	26.835	16.657	29.332	26.675	16.591	29.157
DAPT-130S-635A-D1	32.000						



DA-TABELLA COPPIE (moment torcenti)

DA-TORQUETABLE

Model Number	Max torque Nm	6 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	4.711	1.839	2.609	2.489	1.813	5.118
DAPT-085C-280A-D1	9.000	6.688	2.611	3.704	3.552	2.587	7.302
DAPT-085C-335A-D1	9.000						
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	11.393	4.448	6.311	6.033	4.395	12.403
DAPT-100C-385A-D1	18.000	15.042	5.873	8.332	7.994	5.824	16.435
DAPT-100C-435A-D1	18.000						
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	19.817	7.738	10.977	10.532	7.672	21.653
DAPT-130C-435A-D1	32.000	25.341	9.895	14.038	13.470	9.812	27.692
DAPT-130C-485A-D1	32.000						
DAPT-130C-535A-D1	32.000						
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	6 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	3.000	1.862	3.279	2.951	1.835	3.225
DAPT-085S-280A-D1	9.000	4.259	2.644	4.656	4.210	2.618	4.602
DAPT-085S-335A-D1	9.000	6.097	3.785	6.664	6.030	3.750	6.591
DAPT-085S-385A-D1	9.000						
DAPT-085S-435A-D1	9.000						
DAPT-100S-335A-D1	18.000	7.256	4.504	7.931	7.151	4.447	7.816
DAPT-100S-385A-D1	18.000	9.599	5.959	10.493	9.495	5.905	10.378
DAPT-100S-435A-D1	18.000	12.275	7.620	13.418	12.143	7.552	13.273
DAPT-100S-485A-D1	18.000						
DAPT-100S-535A-D1	18.000						
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	12.621	7.834	13.796	12.483	7.764	13.645
DAPT-130S-435A-D1	32.000	16.139	10.018	17.641	15.965	9.930	17.451
DAPT-130S-485A-D1	32.000	20.063	12.454	21.930	19.889	12.370	21.740
DAPT-130S-535A-D1	32.000	24.454	15.180	26.730	24.280	15.101	26.539
DAPT-130S-585A-D1	32.000	29.288	18.180	32.013	29.113	18.108	31.823
DAPT-130S-635A-D1	32.000						

Model Number	Max torque Nm	7 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	5.505	2.149	3.049	2.909	2.119	5.981
DAPT-085C-280A-D1	9.000	7.816	3.052	4.329	4.151	3.024	8.534
DAPT-085C-335A-D1	9.000						
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	13.333	5.273	7.384	7.084	5.293	14.566
DAPT-100C-385A-D1	18.000						
DAPT-100C-435A-D1	18.000						
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	23.154	9.041	12.826	12.305	8.964	25.298
DAPT-130C-435A-D1	32.000	29.601	11.558	16.397	15.734	11.461	32.346
DAPT-130C-485A-D1	32.000						
DAPT-130C-535A-D1	32.000						
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	7 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	3.506	2.176	3.832	3.448	2.145	3.769
DAPT-085S-280A-D1	9.000	4.978	3.090	5.441	4.920	3.060	5.378
DAPT-085S-335A-D1	9.000	7.125	4.423	7.788	7.047	4.383	7.703
DAPT-085S-385A-D1	9.000						
DAPT-085S-435A-D1	9.000						
DAPT-100S-335A-D1	18.000	8.479	5.263	9.268	8.357	5.198	9.135
DAPT-100S-385A-D1	18.000	11.215	6.962	12.259	11.093	6.900	12.126
DAPT-100S-435A-D1	18.000	14.148	8.843	15.605	13.997	8.748	15.438
DAPT-100S-485A-D1	18.000						
DAPT-100S-535A-D1	18.000						
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	14.746	9.153	16.118	14.585	9.072	15.943
DAPT-130S-435A-D1	32.000	18.852	11.702	20.606	18.649	11.599	20.384
DAPT-130S-485A-D1	32.000	23.435	14.547	25.616	23.232	14.449	25.394
DAPT-130S-535A-D1	32.000	28.557	17.727	31.215	28.354	17.635	30.993
DAPT-130S-585A-D1	32.000						
DAPT-130S-635A-D1	32.000						



DA-TABELLA COPPIE (moment torcenti)

DA-TORQUE TABLE

Model Number	Max torque Nm	8,5 BAR CANTED Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085C-235A-D1	9.000	6.697	2.615	3.710	3.539	2.578	7.276
DAPT-085C-280A-D1	9.000						
DAPT-085C-335A-D1	9.000						
DAPT-085C-385A-D1	9.000						
DAPT-085C-435A-D1	9.000						
DAPT-100C-335A-D1	18.000	16.190	6.403	8.966	8.602	6.427	17.687
DAPT-100C-385A-D1	18.000						
DAPT-100C-435A-D1	18.000						
DAPT-100C-485A-D1	18.000						
DAPT-100C-535A-D1	18.000						
DAPT-130C-385A-D1	32.000	28.158	10.995	15.598	14.965	10.902	30.767
DAPT-130C-435A-D1	32.000						
DAPT-130C-485A-D1	32.000						
DAPT-130C-535A-D1	32.000						
DAPT-130C-585A-D1	32.000						
DAPT-130C-635A-D1	32.000						

Model Number	Max torque Nm	8,5 BAR SYMMETRICAL Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPT-085S-235A-D1	9.000	4.265	2.647	4.662	4.195	2.609	4.585
DAPT-085S-280A-D1	9.000	6.055	3.758	6.619	5.985	3.722	6.542
DAPT-085S-335A-D1	9.000						
DAPT-085S-385A-D1	9.000						
DAPT-085S-435A-D1	9.000						
DAPT-100S-335A-D1	18.000	10.315	6.403	11.274	10.166	6.323	11.112
DAPT-100S-385A-D1	18.000	13.458	8.411	14.843	13.346	8.342	14.720
DAPT-100S-435A-D1	18.000						
DAPT-100S-485A-D1	18.000						
DAPT-100S-535A-D1	18.000						
DAPT-100S-585A-D1	18.000						
DAPT-130S-385A-D1	32.000	17.933	11.132	19.602	17.738	11.033	19.389
DAPT-130S-435A-D1	32.000	22.921	14.228	25.054	22.674	14.103	24.784
DAPT-130S-485A-D1	32.000	28.493	17.687	31.145	28.246	17.568	30.875
DAPT-130S-535A-D1	32.000						
DAPT-130S-585A-D1	32.000						
DAPT-130S-635A-D1	32.000						



SR NC-TABELLA COPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	3 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000						
HPASR-085C-335A-C2	9.000						
HPASR-085C-385A-C2	9.000	3.802	1.001	1.114	2.000	1.205	2.324
HPASR-085C-435A-C2	9.000	5.563	1.704	2.090	1.996	1.202	2.315
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000						
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000						
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000						
HPASR-100C-435A-C1	18.000						
HPASR-100C-485A-C1	18.000						
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000						
HPASR-100C-585A-C2	18.000	10.103	2.211	2.219	6.417	3.811	7.099
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000						
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000						
HPASR-130C-485A-C1	32.000						
HPASR-130C-535A-C1	32.000						
HPASR-130C-585A-C1	32.000	12.419	3.055	3.258	8.138	5.017	10.196
HPASR-130C-635A-C1	32.000	16.588	4.745	5.567	8.165	5.037	10.251
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000						
HPASR-130C-535A-C2	32.000						
HPASR-130C-585A-C2	32.000						
HPASR-130C-635A-C2	32.000	15.083	3.329	3.352	10.109	6.092	11.756
HPASR-130C-485A-C5	32.000						
HPASR-130C-535A-C5	32.000						
HPASR-130C-585A-C5	32.000						
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000	17.075	4.457	4.931	10.859	6.780	14.156
HPASR-130C-735A-C5	32.000	21.837	6.370	7.569	10.842	6.767	14.121
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	3 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000						
HPASR-085S-335A-C2	9.000	1.441	393	383	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	2.421	1.138	1.454	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	3.543	1.848	2.681	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000						
HPASR-085S-385A-C3	9.000						
HPASR-085S-435A-C3	9.000	2.652	924	915	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000						
HPASR-085S-385A-C5	9.000						
HPASR-085S-435A-C5	9.000	2.295	544	525	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000						
HPASR-085S-435A-C6	9.000						
HPASR-100S-385A-C1	18.000						
HPASR-100S-435A-C1	18.000						
HPASR-100S-485A-C1	18.000						
HPASR-100S-535A-C1	18.000	5.834	2.281	2.317	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000	7.679	3.511	4.333	6.327	2.773	3.242
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000						
HPASR-100S-485A-C2	18.000						
HPASR-100S-535A-C2	18.000	4.589	998	956	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	6.434	2.694	2.972	7.454	3.503	4.474
HPASR-100S-535A-C3	18.000						
HPASR-100S-585A-C3	18.000						
HPASR-100S-535A-C4	18.000						
HPASR-100S-585A-C4	18.000						
HPASR-130S-435A-C1	32.000						
HPASR-130S-485A-C1	32.000						
HPASR-130S-535A-C1	32.000	5.484	1.669	1.640	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	7.909	3.554	4.291	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	10.564	5.253	7.193	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000						
HPASR-130S-485A-C2	32.000						
HPASR-130S-535A-C2	32.000						
HPASR-130S-585A-C2	32.000	6.950	1.640	1.582	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	9.605	4.040	4.484	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	12.424	5.876	7.566	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000						
HPASR-130S-535A-C5	32.000						
HPASR-130S-585A-C5	32.000						
HPASR-130S-635A-C5	32.000	8.054	3.222	3.361	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	10.874	5.081	6.443	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000	13.907	7.010	9.758	12.647	6.383	8.899
HPASR-130S-535A-C6	32.000						
HPASR-130S-585A-C6	32.000						
HPASR-130S-635A-C6	32.000						
HPASR-130S-685A-C6	32.000						
HPASR-130S-735A-C6	32.000	11.983	4.588	4.569	16.943	8.179	10.802



SR NC-TABELL ACOPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	3,5 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000						
HPASR-085C-335A-C2	9.000	3.070	696	709	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000	4.868	1.429	1.705	2.000	1.205	2.324
HPASR-085C-435A-C2	9.000	6.925	2.241	2.844	1.996	1.202	2.315
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000						
HPASR-085C-435A-C3	9.000	5.526	1.336	1.411	3.254	1.950	3.713
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000	4.966	1.094	1.101	3.526	2.151	4.272
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000						
HPASR-100C-435A-C1	18.000						
HPASR-100C-485A-C1	18.000						
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000	9.656	1.976	1.971	6.406	3.803	7.076
HPASR-100C-585A-C2	18.000	13.032	3.444	3.841	6.417	3.811	7.099
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000						
HPASR-100C-585A-C4	18.000	9.899	2.114	1.686	8.881	5.365	10.614
HPASR-130C-435A-C1	32.000						
HPASR-130C-485A-C1	32.000						
HPASR-130C-535A-C1	32.000	11.833	2.808	2.933	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000	16.271	4.618	5.391	8.138	5.017	10.196
HPASR-130C-635A-C1	32.000	21.126	6.544	8.081	8.165	5.037	10.251
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000						
HPASR-130C-535A-C2	32.000						
HPASR-130C-585A-C2	32.000	14.765	3.178	3.176	10.082	6.073	11.701
HPASR-130C-635A-C2	32.000	19.621	5.231	5.865	10.109	6.092	11.756
HPASR-130C-485A-C5	32.000						
HPASR-130C-535A-C5	32.000						
HPASR-130C-585A-C5	32.000						
HPASR-130C-635A-C5	32.000	17.186	4.502	4.992	10.875	6.792	14.189
HPASR-130C-685A-C5	32.000	22.356	6.576	7.856	10.859	6.780	14.156
HPASR-130C-735A-C5	32.000	27.917	8.776	10.937	10.842	6.767	14.121
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000	24.897	6.220	6.696	14.563	8.808	17.139

Model Number	Max torque Nm	3,5 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000						
HPASR-085S-335A-C2	9.000	1.955	835	945	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	3.100	1.569	2.197	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	4.410	2.392	3.628	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000						
HPASR-085S-385A-C3	9.000						
HPASR-085S-435A-C3	9.000	3.519	1.564	1.863	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000						
HPASR-085S-385A-C5	9.000						
HPASR-085S-435A-C5	9.000	3.162	1.329	1.473	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000						
HPASR-085S-435A-C6	9.000						
HPASR-100S-385A-C1	18.000						
HPASR-100S-435A-C1	18.000						
HPASR-100S-485A-C1	18.000	5.445	1.908	1.891	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000	7.394	3.327	4.022	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000	9.544	4.704	6.372	6.327	2.773	3.242
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000						
HPASR-100S-485A-C2	18.000						
HPASR-100S-535A-C2	18.000	6.149	2.501	2.661	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	8.299	3.911	5.011	7.454	3.503	4.474
HPASR-100S-535A-C3	18.000	5.548	2.031	1.446	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	7.550	3.186	3.386	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000						
HPASR-100S-585A-C4	18.000	6.380	2.511	2.252	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000						
HPASR-130S-485A-C1	32.000	4.972	1.124	1.080	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	7.535	3.310	3.882	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	10.362	5.125	6.972	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	13.454	7.074	10.352	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000						
HPASR-130S-485A-C2	32.000						
HPASR-130S-535A-C2	32.000						
HPASR-130S-585A-C2	32.000	9.403	3.905	4.263	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	12.495	5.922	7.643	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	15.788	8.011	11.242	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000						
HPASR-130S-535A-C5	32.000						
HPASR-130S-585A-C5	32.000	7.852	3.081	3.140	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	10.945	5.126	6.520	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	14.237	7.218	10.119	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000	17.779	9.445	13.990	12.647	6.383	8.899
HPASR-130S-535A-C6	32.000						
HPASR-130S-585A-C6	32.000						
HPASR-130S-635A-C6	32.000						
HPASR-130S-685A-C6	32.000	12.313	4.834	4.930	16.963	8.192	10.824
HPASR-130S-735A-C6	32.000	15.855	7.198	8.801	16.943	8.179	10.802



SR NC-TABELLA COPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	4 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000						
HPASR-085C-335A-C2	9.000	3.878	1.032	1.156	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000	5.934	1.851	2.296	2.000	1.205	2.324
HPASR-085C-435A-C2	9.000	8.286	2.775	3.598	1.996	1.202	2.315
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000						
HPASR-085C-435A-C3	9.000	6.887	1.893	2.165	3.254	1.950	3.713
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000	6.327	1.667	1.855	3.526	2.151	4.272
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000						
HPASR-100C-435A-C1	18.000						
HPASR-100C-485A-C1	18.000	10.564	2.416	2.474	5.453	3.095	5.117
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000	8.855	1.979	1.713	6.543	3.833	7.076
HPASR-100C-535A-C2	18.000	12.106	3.066	3.329	6.406	3.803	7.076
HPASR-100C-585A-C2	18.000	15.636	4.332	5.155	6.543	3.833	7.076
HPASR-100C-535A-C3	18.000	10.877	2.448	2.183	7.851	4.615	8.491
HPASR-100C-585A-C3	18.000	14.426	3.680	3.984	7.851	4.615	8.491
HPASR-100C-535A-C4	18.000	9.061	1.823	1.261	8.881	5.365	10.614
HPASR-100C-585A-C4	18.000	12.610	3.055	3.063	8.881	5.365	10.614
HPASR-130C-435A-C1	32.000						
HPASR-130C-485A-C1	32.000	10.455	2.173	2.169	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000	15.054	4.130	4.717	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000	20.122	6.148	7.525	8.138	5.017	10.196
HPASR-130C-635A-C1	32.000	25.664	8.332	10.594	8.165	5.037	10.251
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000						
HPASR-130C-535A-C2	32.000						
HPASR-130C-585A-C2	32.000	18.617	4.822	5.309	10.082	6.073	11.701
HPASR-130C-635A-C2	32.000	24.158	7.050	8.379	10.109	6.092	11.756
HPASR-130C-485A-C5	32.000						
HPASR-130C-535A-C5	32.000						
HPASR-130C-585A-C5	32.000	16.182	4.091	4.436	10.849	6.772	14.134
HPASR-130C-635A-C5	32.000	21.724	6.325	7.506	10.875	6.792	14.189
HPASR-130C-685A-C5	32.000	27.636	8.666	10.781	10.859	6.780	14.156
HPASR-130C-735A-C5	32.000	33.997	11.167	14.304	10.842	6.767	14.121
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000	24.616	6.104	6.541	14.581	8.821	17.175
HPASR-130C-735A-C6	32.000	30.977	8.688	10.064	14.563	8.808	17.139

Model Number	Max torque Nm	4 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000						
HPASR-085S-335A-C2	9.000	2.469	1.169	1.507	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	3.779	1.997	2.939	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	5.277	2.933	4.576	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000						
HPASR-085S-385A-C3	9.000	2.888	1.141	1.173	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	4.386	2.122	2.810	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000						
HPASR-085S-385A-C5	9.000	2.532	796	784	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	4.029	1.894	2.421	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000						
HPASR-085S-435A-C6	9.000	3.478	1.326	1.320	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000						
HPASR-100S-435A-C1	18.000	4.746	1.165	1.127	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000	6.727	2.889	3.293	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000	8.955	4.329	5.728	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000	11.410	5.882	8.411	6.327	2.773	3.242
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000						
HPASR-100S-485A-C2	18.000	5.482	1.948	1.932	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	7.710	3.531	4.367	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	10.165	5.097	7.050	7.454	3.503	4.474
HPASR-100S-535A-C3	18.000	7.010	2.874	2.863	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	9.297	4.193	5.079	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000	5.840	2.199	1.729	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000	8.127	3.518	3.945	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000						
HPASR-130S-485A-C1	32.000	6.658	2.725	2.923	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	9.587	4.632	6.125	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	12.815	6.672	9.653	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	16.344	8.884	13.511	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000						
HPASR-130S-485A-C2	32.000						
HPASR-130S-535A-C2	32.000	8.628	3.369	3.416	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	11.856	5.511	6.944	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	15.385	7.757	10.802	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	19.151	10.126	14.918	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000						
HPASR-130S-535A-C5	32.000	7.077	2.322	2.293	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	10.305	4.714	5.821	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	13.835	6.964	9.679	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	17.600	9.333	13.795	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000	21.651	11.868	18.223	12.647	6.383	8.899
HPASR-130S-535A-C6	32.000						
HPASR-130S-585A-C6	32.000						
HPASR-130S-635A-C6	32.000	11.911	4.512	4.490	16.982	8.204	10.845
HPASR-130S-685A-C6	32.000	15.677	7.082	8.606	16.963	8.192	10.824
HPASR-130S-735A-C6	32.000	19.728	9.677	13.034	16.943	8.179	10.802



SR NC-TABELLA COPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	4,5 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000						
HPASR-085C-335A-C2	9.000	4.743	1.321	1.589	2.082	1.246	2.406
HPASR-085C-385A-C2	9.000	6.925	2.078	2.696	2.082	1.246	2.406
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000	5.811	1.440	1.494	3.427	2.012	3.709
HPASR-085C-435A-C3	9.000	8.295	2.302	2.755	3.427	2.012	3.709
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000	7.867	2.154	2.537	3.670	2.190	4.210
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000	6.997	1.631	1.541	4.783	2.817	5.227
HPASR-100C-385A-C1	18.000						
HPASR-100C-435A-C1	18.000	9.053	2.040	1.813	5.627	3.169	5.189
HPASR-100C-485A-C1	18.000	12.332	3.178	3.478	5.627	3.169	5.189
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000	10.719	2.625	2.659	6.543	3.833	7.076
HPASR-100C-535A-C2	18.000	14.355	3.887	4.504	6.543	3.833	7.076
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000	13.144	3.235	3.334	7.851	4.615	8.491
HPASR-100C-585A-C3	18.000	17.137	4.620	5.360	7.851	4.615	8.491
HPASR-100C-535A-C4	18.000	11.329	2.610	2.412	8.881	5.365	10.614
HPASR-100C-585A-C4	18.000	15.321	3.995	4.439	8.881	5.365	10.614
HPASR-130C-435A-C1	32.000						
HPASR-130C-485A-C1	32.000						
HPASR-130C-535A-C1	32.000						
HPASR-130C-585A-C1	32.000						
HPASR-130C-635A-C1	32.000						
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000						
HPASR-130C-535A-C2	32.000						
HPASR-130C-585A-C2	32.000						
HPASR-130C-635A-C2	32.000						
HPASR-130C-485A-C5	32.000						
HPASR-130C-535A-C5	32.000						
HPASR-130C-585A-C5	32.000						
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	4,5 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	1.736	715	719	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	3.057	1.477	1.999	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	4.463	2.288	3.362	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	6.064	3.212	4.914	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000	2.339	839	553	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	3.745	1.650	1.916	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	5.346	2.574	3.468	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000						
HPASR-085S-385A-C5	9.000	3.468	1.491	1.648	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	5.070	2.415	3.200	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000						
HPASR-085S-435A-C6	9.000	4.282	1.938	2.310	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000						
HPASR-100S-435A-C1	18.000	5.834	2.391	2.379	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000	7.948	3.610	4.427	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000	10.291	4.962	6.698	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000	12.864	6.446	9.192	6.315	2.764	3.228
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000	4.794	1.791	1.371	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	6.908	3.010	3.419	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	9.251	4.362	5.690	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	11.824	5.846	8.184	7.454	3.503	4.474
HPASR-100S-535A-C3	18.000	8.471	3.717	4.279	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	11.044	5.201	6.773	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000	7.301	3.042	3.145	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000	9.874	4.526	5.639	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000						
HPASR-130S-485A-C1	32.000						
HPASR-130S-535A-C1	32.000						
HPASR-130S-585A-C1	32.000						
HPASR-130S-635A-C1	32.000						
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000						
HPASR-130S-485A-C2	32.000						
HPASR-130S-535A-C2	32.000						
HPASR-130S-585A-C2	32.000						
HPASR-130S-635A-C2	32.000						
HPASR-130S-685A-C2	32.000						
HPASR-130S-485A-C5	32.000						
HPASR-130S-535A-C5	32.000						
HPASR-130S-585A-C5	32.000						
HPASR-130S-635A-C5	32.000						
HPASR-130S-685A-C5	32.000						
HPASR-130S-735A-C5	32.000						
HPASR-130S-535A-C6	32.000						
HPASR-130S-585A-C6	32.000						
HPASR-130S-635A-C6	32.000						
HPASR-130S-685A-C6	32.000						
HPASR-130S-735A-C6	32.000						



SR NC-TABELLA COPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	5 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000	3.093	706	722	2.026	1.224	2.378
HPASR-085C-335A-C2	9.000	5.492	1.676	2.051	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000	8.067	2.689	3.477	2.000	1.205	2.324
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000	6.668	1.805	2.044	3.258	1.953	3.722
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000	6.108	1.577	1.733	3.530	2.154	4.281
HPASR-085C-435A-C5	9.000	9.049	2.754	3.363	3.526	2.151	4.272
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000	8.183	2.194	2.469	4.310	2.617	5.137
HPASR-100C-385A-C1	18.000	7.304	1.433	925	5.627	3.169	5.189
HPASR-100C-435A-C1	18.000	10.692	2.472	2.545	5.474	3.110	5.160
HPASR-100C-485A-C1	18.000	14.613	4.375	4.707	5.463	3.151	5.122
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000	8.938	2.007	1.755	6.543	3.833	7.076
HPASR-100C-485A-C2	18.000	12.636	3.283	3.622	6.403	3.801	7.070
HPASR-100C-535A-C2	18.000	16.622	4.674	5.655	6.543	3.833	7.076
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000	15.412	4.022	4.485	7.851	4.615	8.491
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000	13.596	3.397	3.563	8.881	5.365	10.614
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000	10.624	2.265	2.263	8.148	5.024	10.216
HPASR-130C-485A-C1	32.000	15.750	4.409	5.102	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000	21.496	6.691	8.286	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000	27.825	9.180	11.792	8.138	5.017	10.196
HPASR-130C-635A-C1	32.000	34.740	11.892	15.622	8.165	5.037	10.251
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000	14.244	2.894	2.887	10.064	6.059	11.664
HPASR-130C-535A-C2	32.000	19.991	5.381	6.070	10.068	6.062	11.672
HPASR-130C-585A-C2	32.000	26.320	7.908	9.576	10.082	6.073	11.701
HPASR-130C-635A-C2	32.000	33.234	10.637	13.407	10.109	6.092	11.756
HPASR-130C-485A-C5	32.000						
HPASR-130C-535A-C5	32.000	17.556	4.652	5.197	10.834	6.761	14.105
HPASR-130C-585A-C5	32.000	23.885	7.183	8.703	10.849	6.772	14.134
HPASR-130C-635A-C5	32.000	30.800	9.911	12.534	10.875	6.792	14.189
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000	20.865	4.466	4.463	14.570	8.813	17.153
HPASR-130C-635A-C6	32.000	27.780	7.400	8.293	14.596	8.833	17.207
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	5 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	1.970	845	961	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	3.498	1.820	2.631	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	5.137	2.846	4.423	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	7.010	4.014	6.471	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000	2.826	1.120	1.025	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	4.246	2.033	2.658	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	6.120	3.216	4.705	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000	2.250	496	476	4.120	2.016	2.708
HPASR-085S-385A-C5	9.000	3.890	1.805	2.268	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	5.763	2.992	4.316	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000	3.338	1.178	1.167	5.021	2.438	3.243
HPASR-085S-435A-C6	9.000	5.211	2.479	3.215	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000	4.580	988	946	6.342	2.783	3.259
HPASR-100S-435A-C1	18.000	6.809	2.944	3.382	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000	9.292	4.544	6.096	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000	12.076	6.301	9.139	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000						
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000	5.564	2.035	2.021	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	8.047	3.748	4.735	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	10.831	5.517	7.778	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	13.896	7.443	11.129	7.454	3.503	4.474
HPASR-100S-535A-C3	18.000	9.932	4.560	5.695	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	12.791	6.209	8.466	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000	8.762	3.885	4.561	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000	11.621	5.534	7.332	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000	6.766	2.799	3.041	9.495	4.712	6.439
HPASR-130S-485A-C1	32.000	10.030	4.914	6.609	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	13.690	7.222	10.610	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	17.721	9.744	15.016	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	22.125	12.492	19.829	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000						
HPASR-130S-485A-C2	32.000	9.071	3.679	3.900	11.704	5.612	7.351
HPASR-130S-535A-C2	32.000	12.731	6.072	7.901	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	16.762	8.626	12.307	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	21.166	11.389	17.120	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	25.877	14.334	22.271	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000	7.521	2.793	2.777	12.633	6.374	8.884
HPASR-130S-535A-C5	32.000	11.180	5.277	6.778	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	15.211	7.832	11.184	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	19.615	10.595	15.997	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	24.327	13.539	21.147	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000	29.395	16.700	26.688	12.647	6.383	8.899
HPASR-130S-535A-C6	32.000						
HPASR-130S-585A-C6	32.000	13.288	5.505	5.994	16.950	8.184	10.810
HPASR-130S-635A-C6	32.000	17.691	8.379	10.808	16.982	8.204	10.845
HPASR-130S-685A-C6	32.000	22.403	11.370	15.958	16.963	8.192	10.824
HPASR-130S-735A-C6	32.000	27.472	14.557	21.498	16.943	8.179	10.802



SR NC-TABELLA COPPIE(momenti torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	5,5 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000	3.657	942	1.034	2.026	1.224	2.378
HPASR-085C-335A-C2	9.000	6.299	1.995	2.498	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000	9.133	3.107	4.067	2.000	1.205	2.324
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000	4.901	1.064	1.065	3.266	1.959	3.738
HPASR-085C-385A-C3	9.000	7.734	2.232	2.634	3.258	1.953	3.722
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000	7.175	2.008	2.324	3.530	2.154	4.281
HPASR-085C-435A-C5	9.000						
HPASR-085C-385A-C6	9.000	6.309	1.412	1.430	4.315	2.620	5.146
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000	8.478	1.841	1.521	5.627	3.169	5.189
HPASR-100C-435A-C1	18.000	12.312	3.151	3.443	5.474	3.110	5.160
HPASR-100C-485A-C1	18.000	16.059	4.472	5.370	5.627	3.169	5.189
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000	10.357	2.326	2.360	6.424	3.817	7.114
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000						
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000	15.863	4.183	4.714	8.881	5.365	10.614
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000	12.754	3.194	3.443	8.148	5.024	10.216
HPASR-130C-485A-C1	32.000	18.397	5.465	6.569	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000	24.718	7.959	10.070	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000	31.677	10.691	13.925	8.138	5.017	10.196
HPASR-130C-635A-C1	32.000						
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000	16.891	4.109	4.354	10.064	6.059	11.664
HPASR-130C-535A-C2	32.000	23.212	6.673	7.855	10.068	6.062	11.672
HPASR-130C-585A-C2	32.000	30.171	9.431	11.710	10.082	6.073	11.701
HPASR-130C-635A-C2	32.000						
HPASR-130C-485A-C5	32.000	14.457	3.367	3.480	10.830	6.758	14.097
HPASR-130C-535A-C5	32.000	20.777	5.948	6.982	10.834	6.761	14.105
HPASR-130C-585A-C5	32.000	27.737	8.705	10.837	10.849	6.772	14.134
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000	24.717	6.145	6.596	14.570	8.813	17.153
HPASR-130C-635A-C6	32.000	32.318	9.224	10.807	14.596	8.833	17.207
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	5,5 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	2.329	1.079	1.354	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	4.012	2.142	3.193	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	5.816	3.270	5.166	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	7.877	4.554	7.418	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000	3.121	1.301	1.428	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	4.925	2.464	3.400	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	6.986	3.760	5.653	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000	2.764	1.043	1.038	4.120	2.016	2.708
HPASR-085S-385A-C5	9.000	4.569	2.238	3.010	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	6.630	3.536	5.263	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000	4.017	1.703	1.910	5.021	2.438	3.243
HPASR-085S-435A-C6	9.000	6.078	3.030	4.162	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000	5.388	1.848	1.829	6.342	2.783	3.259
HPASR-100S-435A-C1	18.000	7.841	3.616	4.510	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000	10.574	5.355	7.498	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000	13.636	7.280	10.844	6.315	2.764	3.228
HPASR-100S-585A-C1	18.000						
HPASR-100S-385A-C2	18.000						
HPASR-100S-435A-C2	18.000	6.596	2.802	3.149	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	9.329	4.567	6.137	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	12.391	6.499	9.484	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	15.318	7.862	11.571	7.441	3.495	4.460
HPASR-100S-535A-C3	18.000	11.393	5.403	7.111	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	14.538	7.217	10.159	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000	10.223	4.728	5.977	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000	13.368	6.542	9.025	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000	8.122	3.693	4.524	9.495	4.712	6.439
HPASR-130S-485A-C1	32.000	11.716	5.981	8.452	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	15.742	8.507	12.852	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	20.174	11.275	17.697	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	25.015	14.293	22.988	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000	7.163	1.867	1.815	11.737	5.634	7.387
HPASR-130S-485A-C2	32.000	10.757	4.800	5.743	11.704	5.612	7.351
HPASR-130S-535A-C2	32.000	14.783	7.376	10.143	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	19.215	10.166	14.988	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	24.056	13.196	20.280	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	29.241	16.432	25.947	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000	9.207	3.998	4.620	12.633	6.374	8.884
HPASR-130S-535A-C5	32.000	13.232	6.583	9.020	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	17.664	9.373	13.865	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	22.505	12.402	19.156	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	27.690	15.637	24.824	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000	33.268	19.111	30.920	12.647	6.383	8.899
HPASR-130S-535A-C6	32.000	11.308	3.871	3.831	16.933	8.173	10.792
HPASR-130S-585A-C6	32.000	15.741	7.123	8.676	16.950	8.184	10.810
HPASR-130S-635A-C6	32.000	20.582	10.219	13.967	16.982	8.204	10.845
HPASR-130S-685A-C6	32.000	25.766	13.487	19.634	16.963	8.192	10.824
HPASR-130S-735A-C6	32.000	31.344	16.982	25.731	16.943	8.179	10.802



SR NC-TABELLA COPPIE(momenti torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	6 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000	4.221	1.171	1.347	2.026	1.224	2.378
HPASR-085C-335A-C2	9.000	7.107	2.312	2.945	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000						
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000	5.708	1.412	1.512	3.266	1.959	3.738
HPASR-085C-385A-C3	9.000	8.801	2.656	3.225	3.258	1.953	3.722
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000	5.148	1.175	1.202	3.538	2.160	4.298
HPASR-085C-385A-C5	9.000	8.241	2.434	2.915	3.530	2.154	4.281
HPASR-085C-435A-C5	9.000						
HPASR-085C-385A-C6	9.000	7.375	1.864	2.021	4.315	2.620	5.146
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000	9.730	2.016	2.012	5.479	3.114	5.171
HPASR-100C-435A-C1	18.000	13.932	3.809	4.340	5.474	3.110	5.160
HPASR-100C-485A-C1	18.000						
HPASR-100C-385A-C2	18.000	8.038	1.695	1.298	6.543	3.833	7.076
HPASR-100C-435A-C2	18.000	11.977	3.013	3.257	6.424	3.817	7.114
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000						
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000						
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000	14.884	4.061	4.623	8.148	5.024	10.216
HPASR-130C-485A-C1	32.000	21.044	6.512	8.035	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000	27.939	9.225	11.854	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000						
HPASR-130C-635A-C1	32.000						
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000						
HPASR-130C-485A-C2	32.000	19.539	5.198	5.820	10.064	6.059	11.664
HPASR-130C-535A-C2	32.000	26.433	7.953	9.639	10.068	6.062	11.672
HPASR-130C-585A-C2	32.000	34.023	10.947	13.843	10.082	6.073	11.701
HPASR-130C-635A-C2	32.000						
HPASR-130C-485A-C5	32.000	17.104	4.469	4.947	10.830	6.758	14.097
HPASR-130C-535A-C5	32.000	23.999	7.228	8.766	10.834	6.761	14.105
HPASR-130C-585A-C5	32.000	31.588	10.221	12.970	10.849	6.772	14.134
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000	20.979	4.528	4.526	14.556	8.803	17.123
HPASR-130C-585A-C6	32.000	28.568	7.719	8.730	14.570	8.813	17.153
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	6 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	2.688	1.308	1.746	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	4.526	2.464	3.755	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	6.495	3.693	5.908	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000	8.744	5.093	8.366	2.321	1.113	1.459
HPASR-085S-335A-C3	9.000	3.635	1.640	1.990	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	5.605	2.893	4.142	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	7.853	4.302	6.600	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000	3.278	1.406	1.600	4.120	2.016	2.708
HPASR-085S-385A-C5	9.000	5.248	2.668	3.753	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	7.497	4.079	6.211	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000	4.696	2.148	2.652	5.021	2.438	3.243
HPASR-085S-435A-C6	9.000	6.945	3.577	5.110	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000	6.196	2.533	2.713	6.342	2.783	3.259
HPASR-100S-435A-C1	18.000	8.872	4.277	5.638	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000	11.857	6.163	8.899	6.311	2.762	3.225
HPASR-100S-535A-C1	18.000						
HPASR-100S-585A-C1	18.000						
HPASR-100S-385A-C2	18.000	4.951	1.383	1.352	7.469	3.512	4.490
HPASR-100S-435A-C2	18.000	7.627	3.478	4.277	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	10.612	5.379	7.539	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	13.951	7.477	11.189	7.441	3.495	4.460
HPASR-100S-585A-C2	18.000	17.065	8.870	13.264	7.441	3.495	4.460
HPASR-100S-535A-C3	18.000	12.854	6.246	8.528	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000	16.285	8.225	11.853	9.139	4.386	5.400
HPASR-100S-535A-C4	18.000	11.684	5.571	7.394	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000	15.115	7.550	10.719	10.363	5.151	6.750
HPASR-130S-435A-C1	32.000	9.478	4.563	6.006	9.495	4.712	6.439
HPASR-130S-485A-C1	32.000	13.402	7.041	10.295	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	17.793	9.790	15.095	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	22.627	12.805	20.378	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	27.905	16.093	26.148	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000						
HPASR-130S-435A-C2	32.000	8.520	3.292	3.297	11.737	5.634	7.387
HPASR-130S-485A-C2	32.000	12.443	5.888	7.586	11.704	5.612	7.351
HPASR-130S-535A-C2	32.000	16.834	8.671	12.386	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	21.668	11.703	17.669	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	26.946	15.001	23.439	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	32.604	18.529	29.623	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000	10.893	5.093	6.463	12.633	6.374	8.884
HPASR-130S-535A-C5	32.000	15.284	7.878	11.263	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	20.117	10.909	16.546	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	25.395	14.205	22.315	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000	31.053	17.732	28.500	12.668	6.396	8.922
HPASR-130S-735A-C5	32.000						
HPASR-130S-535A-C6	32.000	13.360	5.554	6.073	16.933	8.173	10.792
HPASR-130S-585A-C6	32.000	18.194	8.701	11.357	16.950	8.184	10.810
HPASR-130S-635A-C6	32.000	23.472	12.044	17.126	16.982	8.204	10.845
HPASR-130S-685A-C6	32.000	29.130	15.596	23.311	16.963	8.192	10.824
HPASR-130S-735A-C6	32.000						



SR NC-TABELLA COPPIE(moment torcenti)

SR NC-TORQUE TABLE

Model Number	Max torque Nm	7 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000	5.349	1.620	1.971	2.026	1.224	2.378
HPASR-085C-335A-C2	9.000	8.721	2.946	3.839	2.008	1.211	2.340
HPASR-085C-385A-C2	9.000						
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000	7.323	2.068	2.406	3.266	1.959	3.738
HPASR-085C-385A-C3	9.000						
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000	6.763	1.843	2.096	3.538	2.160	4.298
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000						
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000	12.268	3.132	3.418	5.479	3.114	5.171
HPASR-100C-435A-C1	18.000						
HPASR-100C-485A-C1	18.000						
HPASR-100C-385A-C2	18.000	10.313	2.306	2.335	6.429	3.821	7.125
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000						
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000						
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000	19.143	5.760	6.982	8.148	5.024	10.216
HPASR-130C-485A-C1	32.000	26.339	8.597	10.968	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000	34.381	11.751	15.423	8.124	5.007	10.167
HPASR-130C-585A-C1	32.000						
HPASR-130C-635A-C1	32.000						
HPASR-130C-385A-C2	32.000						
HPASR-130C-435A-C2	32.000	17.637	4.420	4.767	10.092	6.080	11.721
HPASR-130C-485A-C2	32.000	24.833	7.318	8.753	10.064	6.059	11.664
HPASR-130C-535A-C2	32.000	32.876	10.496	13.208	10.068	6.062	11.672
HPASR-130C-585A-C2	32.000						
HPASR-130C-635A-C2	32.000						
HPASR-130C-485A-C5	32.000	22.399	6.593	7.880	10.830	6.758	14.097
HPASR-130C-535A-C5	32.000	30.441	9.770	12.335	10.834	6.761	14.105
HPASR-130C-585A-C5	32.000						
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000	27.421	7.254	8.095	14.556	8.803	17.123
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	7 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	3.406	1.762	2.531	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	5.554	3.106	4.879	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	7.854	4.539	7.392	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000						
HPASR-085S-335A-C3	9.000	4.663	2.298	3.114	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	6.963	3.745	5.627	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000	9.587	5.384	8.496	3.782	1.801	2.340
HPASR-085S-335A-C5	9.000	4.307	2.072	2.724	4.120	2.016	2.708
HPASR-085S-385A-C5	9.000	6.606	3.521	5.237	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000	9.230	5.162	8.106	4.105	2.007	2.692
HPASR-085S-385A-C6	9.000	6.055	3.015	4.136	5.021	2.438	3.243
HPASR-085S-435A-C6	9.000	8.679	4.665	7.005	5.016	2.435	3.238
HPASR-100S-385A-C1	18.000	7.813	3.598	4.479	6.342	2.783	3.259
HPASR-100S-435A-C1	18.000	10.936	5.583	7.893	6.336	2.779	3.252
HPASR-100S-485A-C1	18.000						
HPASR-100S-535A-C1	18.000						
HPASR-100S-585A-C1	18.000						
HPASR-100S-385A-C2	18.000	6.567	2.783	3.118	7.469	3.512	4.490
HPASR-100S-435A-C2	18.000	9.690	4.796	6.532	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	13.176	6.991	10.342	7.438	3.492	4.456
HPASR-100S-535A-C2	18.000	16.557	8.577	12.771	7.438	3.492	4.456
HPASR-100S-585A-C2	18.000						
HPASR-100S-535A-C3	18.000	15.777	7.932	11.360	9.139	4.386	5.400
HPASR-100S-585A-C3	18.000						
HPASR-100S-535A-C4	18.000	14.607	7.257	10.226	10.363	5.151	6.750
HPASR-100S-585A-C4	18.000						
HPASR-130S-435A-C1	32.000	12.191	6.280	8.971	9.495	4.712	6.439
HPASR-130S-485A-C1	32.000	16.774	9.153	13.981	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	21.896	12.350	19.580	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	27.533	15.861	25.740	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000	33.685	19.691	32.466	9.515	4.725	6.460
HPASR-130S-385A-C2	32.000	7.126	1.827	1.774	11.745	5.639	7.396
HPASR-130S-435A-C2	32.000	11.232	5.109	6.262	11.737	5.634	7.387
HPASR-130S-485A-C2	32.000	15.815	8.028	11.272	11.704	5.612	7.351
HPASR-130S-535A-C2	32.000	20.937	11.246	16.871	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	26.574	14.768	23.032	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000	32.726	18.605	29.757	11.757	5.646	7.409
HPASR-130S-685A-C2	32.000	39.330	22.718	36.975	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000	14.265	7.235	10.149	12.633	6.374	8.884
HPASR-130S-535A-C5	32.000	19.387	10.452	15.748	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	25.023	13.973	21.908	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000	31.176	17.808	28.634	12.686	6.408	8.942
HPASR-130S-685A-C5	32.000						
HPASR-130S-735A-C5	32.000						
HPASR-130S-535A-C6	32.000	17.463	8.233	10.558	16.933	8.173	10.792
HPASR-130S-585A-C6	32.000	23.099	11.809	16.719	16.950	8.184	10.810
HPASR-130S-635A-C6	32.000	29.252	15.673	23.444	16.982	8.204	10.845
HPASR-130S-685A-C6	32.000						
HPASR-130S-735A-C6	32.000						



SRNC-TABELLA COPPIE (moment torcenti)

SRNC-TORQUE TABLE

Model Number	Max torque Nm	8,5 BAR CANTED Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-C2	9.000	7.041	2.287	2.909	2.026	1.224	2.378
HPASR-085C-335A-C2	9.000						
HPASR-085C-385A-C2	9.000						
HPASR-085C-435A-C2	9.000						
HPASR-085C-335A-C3	9.000						
HPASR-085C-385A-C3	9.000						
HPASR-085C-435A-C3	9.000						
HPASR-085C-335A-C5	9.000						
HPASR-085C-385A-C5	9.000						
HPASR-085C-435A-C5	9.000						
HPASR-085C-385A-C6	9.000						
HPASR-085C-435A-C6	9.000						
HPASR-100C-385A-C1	18.000						
HPASR-100C-435A-C1	18.000						
HPASR-100C-485A-C1	18.000						
HPASR-100C-385A-C2	18.000						
HPASR-100C-435A-C2	18.000						
HPASR-100C-485A-C2	18.000						
HPASR-100C-535A-C2	18.000						
HPASR-100C-585A-C2	18.000						
HPASR-100C-535A-C3	18.000						
HPASR-100C-585A-C3	18.000						
HPASR-100C-535A-C4	18.000						
HPASR-100C-585A-C4	18.000						
HPASR-130C-435A-C1	32.000	25.531	8.280	10.521	8.148	5.024	10.216
HPASR-130C-485A-C1	32.000	34.281	11.712	15.367	8.120	5.004	10.159
HPASR-130C-535A-C1	32.000						
HPASR-130C-585A-C1	32.000						
HPASR-130C-635A-C1	32.000						
HPASR-130C-385A-C2	32.000	16.195	3.815	3.968	10.099	6.085	11.735
HPASR-130C-435A-C2	32.000	24.026	6.997	8.306	10.092	6.080	11.721
HPASR-130C-485A-C2	32.000	32.775	10.456	13.152	10.064	6.059	11.664
HPASR-130C-535A-C2	32.000						
HPASR-130C-585A-C2	32.000						
HPASR-130C-635A-C2	32.000						
HPASR-130C-485A-C5	32.000	30.340	9.730	12.279	10.830	6.758	14.097
HPASR-130C-535A-C5	32.000						
HPASR-130C-585A-C5	32.000						
HPASR-130C-635A-C5	32.000						
HPASR-130C-685A-C5	32.000						
HPASR-130C-735A-C5	32.000						
HPASR-130C-535A-C6	32.000						
HPASR-130C-585A-C6	32.000						
HPASR-130C-635A-C6	32.000						
HPASR-130C-685A-C6	32.000						
HPASR-130C-735A-C6	32.000						

Model Number	Max torque Nm	8,5 BAR SYMMETRICAL Normally closed Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-C2	9.000	4.484	2.438	3.709	2.357	1.136	1.498
HPASR-085S-335A-C2	9.000	7.096	4.067	6.565	2.336	1.123	1.475
HPASR-085S-385A-C2	9.000	9.891	5.807	9.619	2.326	1.116	1.464
HPASR-085S-435A-C2	9.000						
HPASR-085S-335A-C3	9.000	6.206	3.270	4.799	3.797	1.811	2.356
HPASR-085S-385A-C3	9.000	9.000	5.018	7.854	3.788	1.805	2.345
HPASR-085S-435A-C3	9.000						
HPASR-085S-335A-C5	9.000	5.849	3.046	4.410	4.120	2.016	2.708
HPASR-085S-385A-C5	9.000	8.643	4.795	7.464	4.110	2.010	2.698
HPASR-085S-435A-C5	9.000						
HPASR-085S-385A-C6	9.000	8.092	4.297	6.363	5.021	2.438	3.243
HPASR-085S-435A-C6	9.000						
HPASR-100S-385A-C1	18.000	10.237	5.142	7.129	6.342	2.783	3.259
HPASR-100S-435A-C1	18.000						
HPASR-100S-485A-C1	18.000						
HPASR-100S-535A-C1	18.000						
HPASR-100S-585A-C1	18.000						
HPASR-100S-385A-C2	18.000	8.992	4.353	5.768	7.469	3.512	4.490
HPASR-100S-435A-C2	18.000	12.785	6.746	9.915	7.463	3.508	4.483
HPASR-100S-485A-C2	18.000	16.514	8.553	12.730	7.463	3.508	4.483
HPASR-100S-535A-C2	18.000						
HPASR-100S-585A-C2	18.000						
HPASR-100S-535A-C3	18.000						
HPASR-100S-585A-C3	18.000						
HPASR-100S-535A-C4	18.000						
HPASR-100S-585A-C4	18.000						
HPASR-130S-435A-C1	32.000	16.260	8.831	13.419	9.495	4.712	6.439
HPASR-130S-485A-C1	32.000	21.832	12.310	19.509	9.462	4.691	6.403
HPASR-130S-535A-C1	32.000	28.051	16.184	26.307	9.466	4.694	6.407
HPASR-130S-585A-C1	32.000	34.891	20.441	33.784	9.483	4.705	6.426
HPASR-130S-635A-C1	32.000						
HPASR-130S-385A-C2	32.000	10.313	4.510	5.258	11.745	5.639	7.396
HPASR-130S-435A-C2	32.000	15.301	7.704	10.710	11.737	5.634	7.387
HPASR-130S-485A-C2	32.000	20.873	11.206	16.801	11.704	5.612	7.351
HPASR-130S-535A-C2	32.000	27.092	15.092	23.598	11.708	5.615	7.356
HPASR-130S-585A-C2	32.000	33.932	19.356	31.075	11.725	5.626	7.374
HPASR-130S-635A-C2	32.000						
HPASR-130S-685A-C2	32.000	49.420	28.997	48.004	11.738	5.634	7.388
HPASR-130S-485A-C5	32.000	19.323	10.412	15.677	12.633	6.374	8.884
HPASR-130S-535A-C5	32.000	25.541	14.296	22.475	12.638	6.377	8.889
HPASR-130S-585A-C5	32.000	32.382	18.559	29.952	12.655	6.388	8.908
HPASR-130S-635A-C5	32.000						
HPASR-130S-685A-C5	32.000						
HPASR-130S-735A-C5	32.000						
HPASR-130S-535A-C6	32.000	23.618	12.136	17.286	16.933	8.173	10.792
HPASR-130S-585A-C6	32.000	30.458	16.429	24.763	16.950	8.184	10.810
HPASR-130S-635A-C6	32.000						
HPASR-130S-685A-C6	32.000						
HPASR-130S-735A-C6	32.000						



SRNO-TABELLA COPPIE (moment torcenti)

SR NO-TORQUE TABLE

Model Number	Max torque Nm	3 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000						
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	1.255	530	509
HPASR-085C-385A-O2	9.000	3.836	1.015	1.129	2.107	1.207	2.158
HPASR-085C-435A-O2	9.000	3.828	1.012	1.125	3.083	1.903	4.046
HPASR-085C-385A-O3	9.000						
HPASR-085C-435A-O3	9.000	6.243	1.633	1.805	2.307	1.125	1.271
HPASR-085C-335A-O5	9.000						
HPASR-085C-385A-O5	9.000						
HPASR-085C-435A-O5	9.000	6.765	1.839	2.078	1.997	715	672
HPASR-085C-385A-O6	9.000						
HPASR-085C-435A-O6	9.000						
HPASR-085C-485A-O6	9.000	8.236	2.211	2.481	2.599	1.078	1.034
HPASR-100C-385A-O1	18.000						
HPASR-100C-435A-O1	18.000						
HPASR-100C-485A-O1	18.000						
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000						
HPASR-100C-485A-O2	18.000						
HPASR-100C-535A-O2	18.000	12.289	3.150	3.441	3.993	1.288	1.191
HPASR-100C-585A-O2	18.000	12.310	3.158	3.452	5.597	2.960	4.294
HPASR-100C-535A-O3	18.000						
HPASR-100C-585A-O3	18.000						
HPASR-100C-535A-O4	18.000						
HPASR-100C-585A-O4	18.000						
HPASR-130C-435A-O1	32.000						
HPASR-130C-485A-O1	32.000						
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	4.769	2.240	2.220
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	6.879	3.817	6.301
HPASR-130C-635A-O1	32.000	15.667	4.356	4.987	9.188	5.480	10.767
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000						
HPASR-130C-485A-O2	32.000						
HPASR-130C-535A-O2	32.000						
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	6.047	2.150	2.019
HPASR-130C-635A-O2	32.000	19.394	5.137	5.717	8.356	4.433	6.485
HPASR-130C-685A-O2	32.000	19.363	5.125	5.701	10.808	6.218	11.229
HPASR-130C-485A-O5	32.000						
HPASR-130C-535A-O5	32.000						
HPASR-130C-585A-O5	32.000						
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	7.006	3.599	4.795
HPASR-130C-685A-O5	32.000	20.835	5.932	6.885	9.459	5.394	9.538
HPASR-130C-735A-O5	32.000	20.802	5.919	6.868	12.097	7.285	14.641
HPASR-130C-535A-O6	32.000						
HPASR-130C-585A-O6	32.000						
HPASR-130C-635A-O6	32.000						
HPASR-130C-685A-O6	32.000						
HPASR-130C-735A-O6	32.000	27.940	7.457	8.335	10.425	5.223	6.442

Model Number	Max torque Nm	3 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000						
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	1.442	394	384
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	2.422	1.139	1.456
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	3.544	1.849	2.682
HPASR-085S-335A-O3	9.000						
HPASR-085S-385A-O3	9.000						
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	2.653	924	916
HPASR-085S-335A-O5	9.000						
HPASR-085S-385A-O5	9.000						
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	2.296	545	526
HPASR-085S-385A-O6	9.000						
HPASR-085S-435A-O6	9.000						
HPASR-100S-385A-O1	18.000						
HPASR-100S-435A-O1	18.000						
HPASR-100S-485A-O1	18.000						
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	5.834	2.281	2.317
HPASR-100S-585A-O1	18.000	6.327	2.773	3.242	7.679	3.511	4.333
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000						
HPASR-100S-485A-O2	18.000						
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	4.589	998	956
HPASR-100S-585A-O2	18.000	7.454	3.503	4.474	6.434	2.694	2.972
HPASR-100S-535A-O3	18.000						
HPASR-100S-585A-O3	18.000						
HPASR-100S-535A-O4	18.000						
HPASR-100S-585A-O4	18.000						
HPASR-130S-435A-O1	32.000						
HPASR-130S-485A-O1	32.000						
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	5.484	1.668	1.640
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	7.909	3.554	4.291
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	10.564	5.253	7.193
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000						
HPASR-130S-485A-O2	32.000						
HPASR-130S-535A-O2	32.000						
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	6.950	1.640	1.582
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	9.605	4.040	4.484
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	12.425	5.876	7.566
HPASR-130S-485A-O5	32.000						
HPASR-130S-535A-O5	32.000						
HPASR-130S-585A-O5	32.000						
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	8.055	3.222	3.361
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	10.874	5.081	6.443
HPASR-130S-735A-O5	32.000	12.647	6.383	8.899	13.907	7.010	9.758
HPASR-130S-535A-O6	32.000						
HPASR-130S-585A-O6	32.000						
HPASR-130S-635A-O6	32.000						
HPASR-130S-685A-O6	32.000						
HPASR-130S-735A-O6	32.000	16.942	8.179	10.801	11.984	4.589	4.569



SRNO-TABELLA COPPIE (moment torcenti)

SRNO-TORQUE TABLE

Model Number	Max torque Nm	3,5 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000						
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	1.702	912	1.374
HPASR-085C-385A-O2	9.000	3.836	1.015	1.129	2.698	1.630	3.301
HPASR-085C-435A-O2	9.000	3.828	1.012	1.125	3.837	2.436	5.504
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	1.922	577	527
HPASR-085C-435A-O3	9.000	6.243	1.633	1.805	3.061	1.686	2.730
HPASR-085C-335A-O5	9.000						
HPASR-085C-385A-O5	9.000						
HPASR-085C-435A-O5	9.000	6.765	1.839	2.078	2.751	1.458	2.130
HPASR-085C-385A-O6	9.000						
HPASR-085C-435A-O6	9.000						
HPASR-085C-485A-O6	9.000	8.236	2.211	2.481	3.536	1.894	2.847
HPASR-100C-385A-O1	18.000						
HPASR-100C-435A-O1	18.000						
HPASR-100C-485A-O1	18.000	10.460	2.410	2.488	4.737	2.315	2.631
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000						
HPASR-100C-485A-O2	18.000						
HPASR-100C-535A-O2	18.000	12.289	3.150	3.441	5.350	2.777	3.816
HPASR-100C-585A-O2	18.000	12.310	3.158	3.452	7.220	4.142	7.433
HPASR-100C-535A-O3	18.000						
HPASR-100C-585A-O3	18.000						
HPASR-100C-535A-O4	18.000						
HPASR-100C-585A-O4	18.000						
HPASR-130C-435A-O1	32.000						
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	4.324	1.459	1.359
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	6.554	3.580	5.672
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	9.012	5.355	10.427
HPASR-130C-635A-O1	32.000	15.667	4.356	4.987	11.702	7.264	15.630
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000						
HPASR-130C-485A-O2	32.000						
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	5.721	1.553	1.390
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	8.180	4.303	6.146
HPASR-130C-635A-O2	32.000	19.394	5.137	5.717	10.869	6.262	11.348
HPASR-130C-685A-O2	32.000	19.363	5.125	5.701	13.733	8.311	16.887
HPASR-130C-485A-O5	32.000						
HPASR-130C-535A-O5	32.000						
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	6.831	3.467	4.455
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	9.520	5.439	9.657
HPASR-130C-685A-O5	32.000	20.835	5.932	6.885	12.384	7.489	15.197
HPASR-130C-735A-O5	32.000	20.802	5.919	6.868	15.464	9.672	21.156
HPASR-130C-535A-O6	32.000						
HPASR-130C-585A-O6	32.000						
HPASR-130C-635A-O6	32.000						
HPASR-130C-685A-O6	32.000	27.973	7.470	8.353	10.712	5.440	6.997
HPASR-130C-735A-O6	32.000	27.940	7.457	8.335	13.793	7.708	12.956

Model Number	Max torque Nm	3,5 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000						
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	1.956	836	946
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	3.101	1.570	2.198
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	4.411	2.392	3.629
HPASR-085S-335A-O3	9.000						
HPASR-085S-385A-O3	9.000						
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	3.519	1.565	1.863
HPASR-085S-335A-O5	9.000						
HPASR-085S-385A-O5	9.000						
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	3.163	1.329	1.474
HPASR-085S-385A-O6	9.000						
HPASR-085S-435A-O6	9.000						
HPASR-100S-385A-O1	18.000						
HPASR-100S-435A-O1	18.000						
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	5.445	1.908	1.891
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	7.394	3.327	4.022
HPASR-100S-585A-O1	18.000	6.327	2.773	3.242	9.544	4.704	6.372
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000						
HPASR-100S-485A-O2	18.000						
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	6.149	2.501	2.661
HPASR-100S-585A-O2	18.000	7.454	3.503	4.474	8.299	3.911	5.011
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	5.378	2.031	1.492
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	7.317	3.186	3.494
HPASR-100S-535A-O4	18.000						
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	6.183	2.511	2.324
HPASR-130S-435A-O1	32.000						
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	4.972	1.124	1.080
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	7.535	3.310	3.882
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	10.362	5.125	6.972
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	13.454	7.074	10.352
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000						
HPASR-130S-485A-O2	32.000						
HPASR-130S-535A-O2	32.000						
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	9.403	3.905	4.263
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	12.495	5.922	7.643
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	15.788	8.011	11.242
HPASR-130S-485A-O5	32.000						
HPASR-130S-535A-O5	32.000						
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	7.853	3.081	3.140
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	10.945	5.126	6.520
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	14.237	7.218	10.119
HPASR-130S-735A-O5	32.000	12.647	6.383	8.899	17.779	9.445	13.990
HPASR-130S-535A-O6	32.000						
HPASR-130S-585A-O6	32.000						
HPASR-130S-635A-O6	32.000						
HPASR-130S-685A-O6	32.000	16.962	8.192	10.823	12.314	4.834	4.930
HPASR-130S-735A-O6	32.000	16.942	8.179	10.801	15.856	7.198	8.802



SRNO-TABELLA COPPIE (moment torcenti)

SRNO-TORQUETABLE

Model Number	Max torque Nm	4 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000						
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	2.149	1.237	2.239
HPASR-085C-385A-O2	9.000	3.836	1.015	1.129	3.288	2.048	4.443
HPASR-085C-435A-O2	9.000	3.828	1.012	1.125	4.591	2.968	6.962
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	2.513	1.281	1.669
HPASR-085C-435A-O3	9.000	6.243	1.633	1.805	3.815	2.231	4.188
HPASR-085C-335A-O5	9.000						
HPASR-085C-385A-O5	9.000	6.773	1.842	2.082	2.202	1.044	1.069
HPASR-085C-435A-O5	9.000	6.765	1.839	2.078	3.505	2.008	3.589
HPASR-085C-385A-O6	9.000						
HPASR-085C-435A-O6	9.000	8.270	2.225	2.498	3.025	1.514	1.859
HPASR-085C-485A-O6	9.000	8.236	2.211	2.481	4.473	2.575	4.660
HPASR-100C-385A-O1	18.000						
HPASR-100C-435A-O1	18.000	10.501	2.427	2.509	4.129	1.539	1.455
HPASR-100C-485A-O1	18.000	10.460	2.410	2.488	5.853	3.148	4.788
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000						
HPASR-100C-485A-O2	18.000	12.284	3.148	3.438	4.770	2.340	2.693
HPASR-100C-535A-O2	18.000	12.289	3.150	3.441	6.707	3.772	6.441
HPASR-100C-585A-O2	18.000	12.310	3.158	3.452	8.843	5.306	10.572
HPASR-100C-535A-O3	18.000						
HPASR-100C-585A-O3	18.000						
HPASR-100C-535A-O4	18.000						
HPASR-100C-585A-O4	18.000	16.317	4.928	5.286	7.154	3.859	6.317
HPASR-130C-435A-O1	32.000						
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	5.791	3.018	4.196
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	8.338	4.871	9.123
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	11.146	6.870	14.554
HPASR-130C-635A-O1	32.000	15.667	4.356	4.987	14.216	9.041	20.492
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000						
HPASR-130C-485A-O2	32.000						
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	7.506	3.800	4.842
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	10.314	5.861	10.273
HPASR-130C-635A-O2	32.000	19.394	5.137	5.717	13.383	8.062	16.210
HPASR-130C-685A-O2	32.000	19.363	5.125	5.701	16.659	10.384	22.546
HPASR-130C-485A-O5	32.000						
HPASR-130C-535A-O5	32.000	20.787	5.913	6.860	6.156	2.953	3.151
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	8.964	5.036	8.582
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	12.034	7.240	14.520
HPASR-130C-685A-O5	32.000	20.835	5.932	6.885	15.309	9.562	20.855
HPASR-130C-735A-O5	32.000	20.802	5.919	6.868	18.832	12.051	27.671
HPASR-130C-535A-O6	32.000						
HPASR-130C-585A-O6	32.000						
HPASR-130C-635A-O6	32.000	28.003	7.482	8.369	10.362	5.176	6.320
HPASR-130C-685A-O6	32.000	27.973	7.470	8.353	13.637	7.595	12.656
HPASR-130C-735A-O6	32.000	27.940	7.457	8.335	17.161	10.135	19.471

Model Number	Max torque Nm	4 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000						
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	2.470	1.170	1.508
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	3.780	1.997	2.940
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	5.278	2.934	4.577
HPASR-085S-335A-O3	9.000						
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	2.889	1.142	1.174
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	4.386	2.122	2.811
HPASR-085S-335A-O5	9.000						
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	2.532	796	784
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	4.030	1.895	2.421
HPASR-085S-385A-O6	9.000						
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	3.479	1.327	1.321
HPASR-100S-385A-O1	18.000						
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	4.746	1.165	1.127
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	6.727	2.889	3.293
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	8.955	4.329	5.728
HPASR-100S-585A-O1	18.000	6.327	2.773	3.242	11.410	5.882	8.411
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000						
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	5.482	1.948	1.932
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	7.710	3.531	4.367
HPASR-100S-585A-O2	18.000	7.454	3.503	4.474	10.165	5.097	7.050
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	6.794	2.874	2.954
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	9.011	4.193	5.241
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	5.660	2.199	1.784
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	7.877	3.518	4.071
HPASR-130S-435A-O1	32.000						
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	6.658	2.725	2.923
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	9.587	4.632	6.125
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	12.815	6.672	9.653
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	16.344	8.884	13.511
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000						
HPASR-130S-485A-O2	32.000						
HPASR-130S-535A-O2	32.000	11.708	5.615	7.356	8.628	3.370	3.416
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	11.856	5.512	6.945
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	15.386	7.758	10.802
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	19.151	10.127	14.918
HPASR-130S-485A-O5	32.000						
HPASR-130S-535A-O5	32.000	12.638	6.377	8.889	7.077	2.322	2.293
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	10.305	4.714	5.821
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	13.835	6.964	9.679
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	17.600	9.333	13.795
HPASR-130S-735A-O5	32.000	12.647	6.383	8.899	21.651	11.868	18.223
HPASR-130S-535A-O6	32.000						
HPASR-130S-585A-O6	32.000						
HPASR-130S-635A-O6	32.000	16.981	8.204	10.844	11.912	4.512	4.490
HPASR-130S-685A-O6	32.000	16.962	8.192	10.823	15.677	7.082	8.606
HPASR-130S-735A-O6	32.000	16.942	8.179	10.801	19.728	9.678	13.034



SR NO-TABELLA COPPIE(moment torcenti)

SR NO-TORQUE TABLE

Model Number	Max torque Nm	4,5 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000						
HPASR-085C-335A-O2	9.000	3.887	1.035	1.155	2.479	1.513	2890
HPASR-085C-385A-O2	9.000	3.852	1.021	1.137	3.619	2.324	4904
HPASR-085C-435A-O2	9.000	3.836	1.015	1.129	4.917	3.248	7197
HPASR-085C-385A-O3	9.000	3.828	1.012	1.125	3.036	1.717	2716
HPASR-085C-435A-O3	9.000	6.251	1.637	1.810	4.335	2.640	5010
HPASR-085C-335A-O5	9.000						
HPASR-085C-385A-O5	9.000	6.789	1.848	2.090	2.812	1.558	2321
HPASR-085C-435A-O5	9.000	6.773	1.842	2.082	4.111	2.481	4614
HPASR-085C-385A-O6	9.000						
HPASR-085C-435A-O6	9.000	8.278	2.228	2.503	3.656	1.984	2803
HPASR-085C-485A-O6	9.000	8.270	2.225	2.498	5.113	3.020	5376
HPASR-100C-385A-O1	18.000						
HPASR-100C-435A-O1	18.000	10.511	2.431	2.514	5.136	2.646	3572
HPASR-100C-485A-O1	18.000	10.501	2.427	2.509	6.997	3.930	6852
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000						
HPASR-100C-485A-O2	18.000	12.324	3.164	3.459	6.081	3.298	5238
HPASR-100C-535A-O2	18.000	12.324	3.164	3.459	8.144	4.722	8874
HPASR-100C-585A-O2	18.000	12.324	3.164	3.459	10.409	6.285	12866
HPASR-100C-535A-O3	18.000	14.390	4.172	4.228	7.457	4.068	6850
HPASR-100C-585A-O3	18.000	14.390	4.172	4.228	9.722	5.632	10843
HPASR-100C-535A-O4	18.000	16.317	4.928	5.286	6.427	3.357	5.035
HPASR-100C-585A-O4	18.000	16.317	4.928	5.286	8.692	4.921	9.027
HPASR-130C-435A-O1	32.000						
HPASR-130C-485A-O1	32.000						
HPASR-130C-535A-O1	32.000						
HPASR-130C-585A-O1	32.000						
HPASR-130C-635A-O1	32.000						
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000						
HPASR-130C-485A-O2	32.000						
HPASR-130C-535A-O2	32.000						
HPASR-130C-585A-O2	32.000						
HPASR-130C-635A-O2	32.000						
HPASR-130C-685A-O2	32.000						
HPASR-130C-485A-O5	32.000						
HPASR-130C-535A-O5	32.000						
HPASR-130C-585A-O5	32.000						
HPASR-130C-635A-O5	32.000						
HPASR-130C-685A-O5	32.000						
HPASR-130C-735A-O5	32.000						
HPASR-130C-535A-O6	32.000						
HPASR-130C-585A-O6	32.000						
HPASR-130C-635A-O6	32.000						
HPASR-130C-685A-O6	32.000						
HPASR-130C-735A-O6	32.000						

Model Number	Max torque Nm	4,5 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000	2.356	1.136	1.497	1.682	715	741
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	2.963	1.477	2062
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	4.326	2.288	3468
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	5.877	3.212	5070
HPASR-085S-335A-O3	9.000	3.797	1.810	2.355	2.267	839	571
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	3.629	1.650	1977
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	5.181	2.574	3578
HPASR-085S-335A-O5	9.000	4.119	2.016	2.708	1.999	680	294
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	3.362	1.491	1700
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	4.914	2.415	3302
HPASR-085S-385A-O6	9.000	5.021	2.438	3.243	2.819	973	466
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	4.371	1.897	2067
HPASR-100S-385A-O1	18.000	6.342	2.783	3.259	3.829	1.304	570
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	5.655	2.391	2454
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	7.703	3.610	4568
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	9.974	4.962	6911
HPASR-100S-585A-O1	18.000	6.315	2.764	3.228	12.468	6.446	9484
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000	7.463	3.508	4.483	4.647	1.791	1414
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	6.695	3.010	3528
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	8.966	4.362	5871
HPASR-100S-585A-O2	18.000	7.454	3.503	4.474	11.460	5.846	8444
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	8.210	3.717	4415
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	10.704	5.201	6988
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	7.076	3.042	3.245
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	9.570	4.526	5.818
HPASR-130S-435A-O1	32.000						
HPASR-130S-485A-O1	32.000						
HPASR-130S-535A-O1	32.000						
HPASR-130S-585A-O1	32.000						
HPASR-130S-635A-O1	32.000						
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000						
HPASR-130S-485A-O2	32.000						
HPASR-130S-535A-O2	32.000						
HPASR-130S-585A-O2	32.000						
HPASR-130S-635A-O2	32.000						
HPASR-130S-685A-O2	32.000						
HPASR-130S-485A-O5	32.000						
HPASR-130S-535A-O5	32.000						
HPASR-130S-585A-O5	32.000						
HPASR-130S-635A-O5	32.000						
HPASR-130S-685A-O5	32.000						
HPASR-130S-735A-O5	32.000						
HPASR-130S-535A-O6	32.000						
HPASR-130S-585A-O6	32.000						
HPASR-130S-635A-O6	32.000						
HPASR-130S-685A-O6	32.000						
HPASR-130S-735A-O6	32.000						



SR NO-TABELLA COPPIE(moment torcenti)

SR NO-TORQUE TABLE

Model Number	Max torque Nm	5 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000	3.887	1.035	1.155	1.714	921	1.399
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	3.043	1.875	3.969
HPASR-085C-385A-O2	9.000	3.836	1.015	1.129	4.469	2.883	6.728
HPASR-085C-435A-O2	9.000						
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	3.694	2.144	3.954
HPASR-085C-435A-O3	9.000	6.243	1.633	1.805	5.323	3.304	7.105
HPASR-085C-335A-O5	9.000						
HPASR-085C-385A-O5	9.000	6.773	1.842	2.082	3.384	1.920	3.354
HPASR-085C-435A-O5	9.000	6.765	1.839	2.078	5.013	3.084	6.505
HPASR-085C-385A-O6	9.000						
HPASR-085C-435A-O6	9.000	8.270	2.225	2.498	4.533	2.618	4.776
HPASR-085C-485A-O6	9.000	8.236	2.211	2.481	6.348	3.912	8.286
HPASR-100C-385A-O1	18.000						
HPASR-100C-435A-O1	18.000	10.501	2.427	2.509	5.924	3.201	4.926
HPASR-100C-485A-O1	18.000	10.460	2.410	2.488	8.083	4.763	9.103
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000						
HPASR-100C-485A-O2	18.000	12.284	3.148	3.438	7.000	3.984	7.008
HPASR-100C-535A-O2	18.000	12.289	3.150	3.441	9.422	5.717	11.692
HPASR-100C-585A-O2	18.000	12.310	3.158	3.452	11.947	7.347	15.577
HPASR-100C-535A-O3	18.000	14.390	4.172	4.228	8.744	4.956	9.118
HPASR-100C-585A-O3	18.000	14.390	4.172	4.228	11.260	6.693	13.554
HPASR-100C-535A-O4	18.000	16.317	4.928	5.286	7.714	4.245	7.302
HPASR-100C-585A-O4	18.000	16.317	4.928	5.286	10.230	5.982	11.738
HPASR-130C-435A-O1	32.000	15.634	4.343	4.970	5.884	3.088	4.377
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	8.724	5.148	9.869
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	11.907	7.409	16.027
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	15.413	9.885	22.808
HPASR-130C-635A-O1	32.000	15.667	4.356	4.987	19.243	12.585	30.217
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000						
HPASR-130C-485A-O2	32.000	19.308	5.103	5.672	7.891	4.089	5.587
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	11.075	6.410	11.745
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	14.581	8.912	18.526
HPASR-130C-635A-O2	32.000	19.394	5.137	5.717	18.411	11.623	25.936
HPASR-130C-685A-O2	32.000	19.363	5.125	5.701	22.509	14.515	33.863
HPASR-130C-485A-O5	32.000	20.780	5.911	6.857	6.542	3.249	3.897
HPASR-130C-535A-O5	32.000	20.787	5.913	6.860	9.725	5.586	10.054
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	13.231	8.091	16.836
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	17.061	10.801	24.245
HPASR-130C-685A-O5	32.000	20.835	5.932	6.885	21.160	13.692	32.172
HPASR-130C-735A-O5	32.000						
HPASR-130C-535A-O6	32.000	27.925	7.451	8.328	8.053	2.091	1.854
HPASR-130C-585A-O6	32.000	27.952	7.462	8.342	11.559	6.072	8.636
HPASR-130C-635A-O6	32.000	28.003	7.482	8.369	15.390	8.862	16.045
HPASR-130C-685A-O6	32.000	27.973	7.470	8.353	19.488	11.794	23.972
HPASR-130C-735A-O6	32.000	27.940	7.457	8.335	23.896	14.919	32.500

Model Number	Max torque Nm	5 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000	2.356	1.136	1.497	1.971	845	962
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	3.499	1.820	2.632
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	5.138	2.847	4.425
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	7.011	4.014	6.472
HPASR-085S-335A-O3	9.000	3.797	1.810	2.355	2.607	876	866
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	4.247	2.033	2.659
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	6.120	3.217	4.706
HPASR-085S-335A-O5	9.000	4.119	2.016	2.708	2.251	497	477
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	3.890	1.805	2.269
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	5.764	2.993	4.316
HPASR-085S-385A-O6	9.000	5.021	2.438	3.243	3.339	1.178	1.168
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	5.212	2.479	3.216
HPASR-100S-385A-O1	18.000	6.342	2.783	3.259	4.580	988	946
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	6.809	2.944	3.382
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	9.292	4.544	6.096
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	12.076	6.301	9.139
HPASR-100S-585A-O1	18.000	6.315	2.764	3.228	14.161	7.454	11.231
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000	7.463	3.508	4.483	5.564	2.035	2.021
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	8.047	3.748	4.735
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	10.831	5.517	7.778
HPASR-100S-585A-O2	18.000	7.454	3.503	4.474	13.896	7.443	11.129
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	9.626	4.560	5.876
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	12.397	6.209	8.735
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	8.492	3.885	4.706
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	11.263	5.534	7.565
HPASR-130S-435A-O1	32.000	9.495	4.712	6.439	6.766	2.798	3.041
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	10.030	4.914	6.609
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	13.690	7.222	10.610
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	17.721	9.744	15.015
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	22.124	12.492	19.829
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000						
HPASR-130S-485A-O2	32.000	11.704	5.612	7.351	9.071	3.679	3.901
HPASR-130S-535A-O2	32.000	11.708	5.615	7.356	12.731	6.073	7.901
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	16.762	8.626	12.307
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	21.166	11.389	17.121
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	25.878	14.334	22.271
HPASR-130S-485A-O5	32.000	12.633	6.374	8.884	7.521	2.794	2.777
HPASR-130S-535A-O5	32.000	12.638	6.377	8.889	11.181	5.277	6.778
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	15.211	7.832	11.184
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	19.615	10.595	15.997
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	24.327	13.539	21.147
HPASR-130S-735A-O5	32.000	12.647	6.383	8.899	29.395	16.700	26.688
HPASR-130S-535A-O6	32.000						
HPASR-130S-585A-O6	32.000	16.950	8.184	10.810	13.288	5.506	5.995
HPASR-130S-635A-O6	32.000	16.981	8.204	10.844	17.692	8.380	10.809
HPASR-130S-685A-O6	32.000	16.962	8.192	10.823	22.404	11.370	15.959
HPASR-130S-735A-O6	32.000	16.942	8.179	10.801	27.472	14.557	21.499



SR NO-TABELLA COPPIE(moment torcenti)

SR NO-TORQUE TABLE

Model Number	Max torque Nm	5,5 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000	3.887	1.035	1.155	2.027	1.149	2.003
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	3.490	2.191	4.834
HPASR-085C-385A-O2	9.000	3.836	1.015	1.129	5.060	3.299	7.870
HPASR-085C-435A-O2	9.000						
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	4.284	2.567	5.096
HPASR-085C-435A-O3	9.000						
HPASR-085C-335A-O5	9.000	6.789	1.848	2.090	2.405	1.200	1.460
HPASR-085C-385A-O5	9.000	6.773	1.842	2.082	3.974	2.345	4.497
HPASR-085C-435A-O5	9.000	6.765	1.839	2.078	5.767	3.618	7.964
HPASR-085C-385A-O6	9.000	8.278	2.228	2.503	3.495	1.864	2.767
HPASR-085C-435A-O6	9.000	8.270	2.225	2.498	5.287	3.159	6.235
HPASR-085C-485A-O6	9.000						
HPASR-100C-385A-O1	18.000	10.511	2.431	2.514	4.688	2.277	2.536
HPASR-100C-435A-O1	18.000	10.501	2.427	2.509	6.821	3.854	6.662
HPASR-100C-485A-O1	18.000	10.460	2.410	2.488	9.199	5.559	11.261
HPASR-100C-385A-O2	18.000						
HPASR-100C-435A-O2	18.000	12.324	3.164	3.459	5.738	3.064	4.567
HPASR-100C-485A-O2	18.000	12.284	3.148	3.438	8.116	4.786	9.166
HPASR-100C-535A-O2	18.000	12.242	3.476	3.524	10.717	6.498	13.408
HPASR-100C-585A-O2	18.000						
HPASR-100C-535A-O3	18.000	14.390	4.172	4.228	10.030	5.844	11.385
HPASR-100C-585A-O3	18.000	14.390	4.172	4.228	12.798	7.755	16.265
HPASR-100C-535A-O4	18.000	16.317	4.928	5.286	9.000	5.133	9.570
HPASR-100C-585A-O4	18.000	16.317	4.928	5.286	11.768	7.044	14.449
HPASR-130C-435A-O1	32.000	15.634	4.343	4.970	7.064	3.951	6.659
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	10.190	6.192	12.706
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	13.691	8.671	19.478
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	17.546	11.390	26.935
HPASR-130C-635A-O1	32.000						
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000	19.361	5.124	5.700	6.232	2.491	2.377
HPASR-130C-485A-O2	32.000	19.308	5.103	5.672	9.358	5.167	8.424
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	12.859	7.689	15.196
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	16.714	10.423	22.653
HPASR-130C-635A-O2	32.000	19.394	5.137	5.717	20.925	13.397	30.798
HPASR-130C-685A-O2	32.000						
HPASR-130C-485A-O5	32.000	20.780	5.911	6.857	8.008	4.340	6.733
HPASR-130C-535A-O5	32.000	20.787	5.913	6.860	11.510	6.867	13.506
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	15.365	9.602	20.963
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	19.575	12.575	29.108
HPASR-130C-685A-O5	32.000						
HPASR-130C-735A-O5	32.000						
HPASR-130C-535A-O6	32.000	27.925	7.451	8.328	9.838	4.775	5.306
HPASR-130C-585A-O6	32.000	27.952	7.462	8.342	13.693	7.635	12.763
HPASR-130C-635A-O6	32.000	28.003	7.482	8.369	17.904	10.667	20.908
HPASR-130C-685A-O6	32.000	27.973	7.470	8.353	22.413	13.869	29.631
HPASR-130C-735A-O6	32.000						

Model Number	Max torque Nm	5,5 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000	2.356	1.136	1.497	2.330	1.079	1.355
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	4.013	2.143	3.194
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	5.817	3.270	5.167
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	7.878	4.554	7.420
HPASR-085S-335A-O3	9.000	3.797	1.810	2.355	3.121	1.301	1.428
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	4.926	2.465	3.401
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	6.987	3.760	5.654
HPASR-085S-335A-O5	9.000	4.119	2.016	2.708	2.765	1.044	1.038
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	4.569	2.239	3.011
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	6.630	3.537	5.264
HPASR-085S-385A-O6	9.000	5.021	2.438	3.243	4.018	1.704	1.911
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	6.079	3.031	4.163
HPASR-100S-385A-O1	18.000	6.342	2.783	3.259	5.388	1.848	1.829
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	7.841	3.616	4.510
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	10.574	5.355	7.498
HPASR-100S-535A-O1	18.000	6.315	2.764	3.228	13.636	7.280	10.844
HPASR-100S-585A-O1	18.000	6.315	2.764	3.228	15.855	8.462	12.978
HPASR-100S-385A-O2	18.000						
HPASR-100S-435A-O2	18.000	7.463	3.508	4.483	6.596	2.802	3.149
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	9.329	4.567	6.137
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	12.391	6.499	9.484
HPASR-100S-585A-O2	18.000	7.441	3.495	4.460	14.847	7.862	11.938
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	11.043	5.403	7.337
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	14.091	7.217	10.482
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	9.909	4.728	6.167
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	12.957	6.542	9.312
HPASR-130S-435A-O1	32.000	9.495	4.712	6.439	8.122	3.692	4.524
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	11.716	5.980	8.452
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	15.741	8.507	12.852
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	20.174	11.275	17.697
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	25.015	14.293	22.988
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000	11.737	5.633	7.387	7.163	1.867	1.815
HPASR-130S-485A-O2	32.000	11.704	5.612	7.351	10.757	4.800	5.743
HPASR-130S-535A-O2	32.000	11.708	5.615	7.356	14.783	7.376	10.144
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	19.215	10.167	14.988
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	24.056	13.196	20.280
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	29.241	16.432	25.947
HPASR-130S-485A-O5	32.000	12.633	6.374	8.884	9.207	3.998	4.620
HPASR-130S-535A-O5	32.000	12.638	6.377	8.889	13.232	6.583	9.020
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	17.664	9.373	13.865
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	22.505	12.402	19.156
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	27.690	15.637	24.824
HPASR-130S-735A-O5	32.000	12.647	6.383	8.899	33.268	19.111	30.920
HPASR-130S-535A-O6	32.000	16.933	8.173	10.791	11.309	3.871	3.832
HPASR-130S-585A-O6	32.000	16.950	8.184	10.810	15.741	7.124	8.676
HPASR-130S-635A-O6	32.000	16.981	8.204	10.844	20.582	10.219	13.968
HPASR-130S-685A-O6	32.000	16.962	8.192	10.823	25.767	13.487	19.635
HPASR-130S-735A-O6	32.000	16.942	8.179	10.801	31.344	16.983	25.732



SRNO-TABELLA COPPIE (moment torcenti)

SRNO-TORQUE TABLE

Model Number	Max torque Nm	6 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000	3.887	1.035	1.155	2.339	1.374	2.607
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	3.938	2.507	5.699
HPASR-085C-385A-O2	9.000						
HPASR-085C-435A-O2	9.000						
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	4.875	2.986	6.239
HPASR-085C-435A-O3	9.000						
HPASR-085C-335A-O5	9.000	6.789	1.848	2.090	2.852	1.533	2.325
HPASR-085C-385A-O5	9.000	6.773	1.842	2.082	4.565	2.766	5.639
HPASR-085C-435A-O5	9.000						
HPASR-085C-385A-O6	9.000	8.278	2.228	2.503	4.085	2.295	3.910
HPASR-085C-435A-O6	9.000	8.270	2.225	2.498	6.041	3.695	7.693
HPASR-085C-485A-O6	9.000						
HPASR-100C-385A-O1	18.000	10.511	2.431	2.514	5.391	2.807	3.895
HPASR-100C-435A-O1	18.000	10.501	2.427	2.509	7.718	4.501	8.397
HPASR-100C-485A-O1	18.000	10.460	2.410	2.488	10.314	6.350	13.418
HPASR-100C-385A-O2	18.000	12.334	3.168	3.464	4.308	1.867	1.800
HPASR-100C-435A-O2	18.000	12.324	3.164	3.459	6.636	3.720	6.303
HPASR-100C-485A-O2	18.000	12.284	3.148	3.438	9.231	5.582	11.323
HPASR-100C-535A-O2	18.000	12.242	3.476	3.524	12.003	7.386	15.676
HPASR-100C-585A-O2	18.000						
HPASR-100C-535A-O3	18.000	14.390	4.172	4.228	11.316	6.732	13.653
HPASR-100C-585A-O3	18.000						
HPASR-100C-535A-O4	18.000	16.317	4.928	5.286	10.286	6.021	11.837
HPASR-100C-585A-O4	18.000	16.317	4.928	5.286	13.306	8.106	17.160
HPASR-130C-435A-O1	32.000	15.634	4.343	4.970	8.244	4.803	8.941
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	11.656	7.232	15.542
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	15.476	9.930	22.930
HPASR-130C-585A-O1	32.000	15.615	4.336	4.960	19.680	12.892	31.062
HPASR-130C-635A-O1	32.000						
HPASR-130C-385A-O2	32.000						
HPASR-130C-435A-O2	32.000	19.361	5.124	5.700	7.412	3.729	4.659
HPASR-130C-485A-O2	32.000	19.308	5.103	5.672	10.824	6.229	11.260
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	14.643	8.956	18.648
HPASR-130C-585A-O2	32.000	19.343	5.117	5.690	18.848	11.932	26.780
HPASR-130C-635A-O2	32.000						
HPASR-130C-685A-O2	32.000						
HPASR-130C-485A-O5	32.000	20.780	5.911	6.857	9.475	5.406	9.570
HPASR-130C-535A-O5	32.000	20.787	5.913	6.860	13.294	8.135	16.957
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	17.498	11.110	25.090
HPASR-130C-635A-O5	32.000	20.865	5.944	6.901	22.089	14.347	33.970
HPASR-130C-685A-O5	32.000						
HPASR-130C-735A-O5	32.000						
HPASR-130C-535A-O6	32.000	27.925	7.451	8.328	11.622	6.119	8.758
HPASR-130C-585A-O6	32.000	27.952	7.462	8.342	15.826	9.177	16.890
HPASR-130C-635A-O6	32.000	28.003	7.482	8.369	20.417	12.454	25.770
HPASR-130C-685A-O6	32.000						
HPASR-130C-735A-O6	32.000						

Model Number	Max torque Nm	6 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000	2.356	1.136	1.497	2.689	1.309	1.747
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	4.527	2.465	3.756
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	6.496	3.694	5.909
HPASR-085S-435A-O2	9.000	2.320	1.113	1.458	8.745	5.094	8.367
HPASR-085S-335A-O3	9.000	3.797	1.810	2.355	3.636	1.640	1.990
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	5.605	2.893	4.143
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	7.854	4.302	6.601
HPASR-085S-335A-O5	9.000	4.119	2.016	2.708	3.279	1.406	1.600
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	5.249	2.668	3.753
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	7.497	4.079	6.211
HPASR-085S-385A-O6	9.000	5.021	2.438	3.243	4.697	2.149	2.653
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	6.946	3.578	5.111
HPASR-100S-385A-O1	18.000	6.342	2.783	3.259	6.196	2.533	2.713
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	8.872	4.277	5.638
HPASR-100S-485A-O1	18.000	6.311	2.762	3.225	11.857	6.163	8.899
HPASR-100S-535A-O1	18.000						
HPASR-100S-585A-O1	18.000						
HPASR-100S-385A-O2	18.000	7.469	3.512	4.490	4.951	1.383	1.352
HPASR-100S-435A-O2	18.000	7.463	3.508	4.483	7.627	3.478	4.277
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	10.612	5.379	7.539
HPASR-100S-535A-O2	18.000	7.441	3.495	4.460	13.951	7.477	11.189
HPASR-100S-585A-O2	18.000	7.441	3.495	4.460	16.540	8.870	13.685
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	12.459	6.246	8.798
HPASR-100S-585A-O3	18.000	8.736	4.386	5.400	15.784	8.225	12.229
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	11.325	5.571	7.628
HPASR-100S-585A-O4	18.000	9.906	5.151	6.750	14.650	7.550	11.059
HPASR-130S-435A-O1	32.000	9.495	4.712	6.439	9.478	4.563	6.006
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	13.402	7.041	10.295
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	17.793	9.789	15.094
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	22.626	12.805	20.378
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	27.905	16.093	26.147
HPASR-130S-385A-O2	32.000						
HPASR-130S-435A-O2	32.000	11.737	5.633	7.387	8.520	3.292	3.298
HPASR-130S-485A-O2	32.000	11.704	5.612	7.351	12.443	5.888	7.586
HPASR-130S-535A-O2	32.000	11.708	5.615	7.356	16.834	8.671	12.386
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	21.668	11.704	17.669
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	26.946	15.001	23.439
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	32.604	18.529	29.623
HPASR-130S-485A-O5	32.000	12.633	6.374	8.884	10.893	5.093	6.463
HPASR-130S-535A-O5	32.000	12.638	6.377	8.889	15.284	7.878	11.263
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	20.117	10.909	16.546
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	25.395	14.205	22.316
HPASR-130S-685A-O5	32.000	12.668	6.396	8.922	31.053	17.732	28.500
HPASR-130S-735A-O5	32.000						
HPASR-130S-535A-O6	32.000	16.933	8.173	10.791	13.360	5.555	6.074
HPASR-130S-585A-O6	32.000	16.950	8.184	10.810	18.194	8.701	11.357
HPASR-130S-635A-O6	32.000	16.981	8.204	10.844	23.472	12.045	17.127
HPASR-130S-685A-O6	32.000	16.962	8.192	10.823	29.130	15.596	23.311
HPASR-130S-735A-O6	32.000						



SRNO-TABELLA COPPIE (moment torcenti)

SRNO-TORQUE TABLE

Model Number	Max torque Nm	7 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085C-280A-O2	9.000	3.887	1.035	1.155	2.964	1.819	3.816
HPASR-085C-335A-O2	9.000	3.852	1.021	1.137	4.832	3.138	7.429
HPASR-085C-385A-O2	9.000						
HPASR-085C-435A-O2	9.000						
HPASR-085C-385A-O3	9.000	6.251	1.637	1.810	6.056	3.822	8.524
HPASR-085C-435A-O3	9.000						
HPASR-085C-335A-O5	9.000	6.789	1.848	2.090	3.746	2.181	4.055
HPASR-085C-385A-O5	9.000	6.773	1.842	2.082	5.746	3.603	7.924
HPASR-085C-435A-O5	9.000						
HPASR-085C-385A-O6	9.000	8.278	2.228	2.503	5.267	3.144	6.195
HPASR-085C-435A-O6	9.000						
HPASR-085C-485A-O6	9.000						
HPASR-100C-385A-O1	18.000	10.511	2.431	2.514	6.797	3.836	6.614
HPASR-100C-435A-O1	18.000	10.501	2.427	2.509	9.513	5.782	11.869
HPASR-100C-485A-O1	18.000						
HPASR-100C-385A-O2	18.000	12.334	3.168	3.464	5.714	3.046	4.519
HPASR-100C-435A-O2	18.000	12.324	3.164	3.459	8.430	5.012	9.774
HPASR-100C-485A-O2	18.000						
HPASR-100C-535A-O2	18.000						
HPASR-100C-585A-O2	18.000						
HPASR-100C-535A-O3	18.000						
HPASR-100C-585A-O3	18.000						
HPASR-100C-535A-O4	18.000	16.317	4.928	5.286	12.859	7.797	16.372
HPASR-100C-585A-O4	18.000						
HPASR-130C-435A-O1	32.000	15.634	4.343	4.970	10.603	6.485	13.505
HPASR-130C-485A-O1	32.000	15.581	4.323	4.942	14.589	9.305	21.215
HPASR-130C-535A-O1	32.000	15.588	4.325	4.946	19.045	12.445	29.833
HPASR-130C-585A-O1	32.000						
HPASR-130C-635A-O1	32.000						
HPASR-130C-385A-O2	32.000	19.375	5.129	5.707	6.200	2.431	2.315
HPASR-130C-435A-O2	32.000	19.361	5.124	5.700	9.771	5.468	9.223
HPASR-130C-485A-O2	32.000	19.308	5.103	5.672	13.757	8.328	16.934
HPASR-130C-535A-O2	32.000	19.315	5.106	5.676	18.212	11.483	25.551
HPASR-130C-585A-O2	32.000						
HPASR-130C-635A-O2	32.000						
HPASR-130C-685A-O2	32.000						
HPASR-130C-485A-O5	32.000	20.780	5.911	6.857	12.408	7.506	15.243
HPASR-130C-535A-O5	32.000	20.787	5.913	6.860	16.863	10.661	23.861
HPASR-130C-585A-O5	32.000	20.814	5.924	6.875	21.765	14.119	33.344
HPASR-130C-635A-O5	32.000						
HPASR-130C-685A-O5	32.000						
HPASR-130C-735A-O5	32.000						
HPASR-130C-535A-O6	32.000	27.925	7.451	8.328	15.191	8.719	15.661
HPASR-130C-585A-O6	32.000	27.952	7.462	8.342	20.093	12.224	25.144
HPASR-130C-635A-O6	32.000						
HPASR-130C-685A-O6	32.000						
HPASR-130C-735A-O6	32.000						

Model Number	Max torque Nm	7 BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
HPASR-085S-280A-O2	9.000	2.356	1.136	1.497	3.407	1.763	2.533
HPASR-085S-335A-O2	9.000	2.335	1.122	1.474	5.555	3.107	4.880
HPASR-085S-385A-O2	9.000	2.325	1.116	1.463	7.855	4.539	7.394
HPASR-085S-435A-O2	9.000						
HPASR-085S-335A-O3	9.000	3.797	1.810	2.355	4.664	2.299	3.114
HPASR-085S-385A-O3	9.000	3.787	1.804	2.345	6.963	3.745	5.628
HPASR-085S-435A-O3	9.000	3.782	1.801	2.339	9.588	5.384	8.496
HPASR-085S-335A-O5	9.000	4.119	2.016	2.708	4.307	2.072	2.724
HPASR-085S-385A-O5	9.000	4.110	2.010	2.697	6.607	3.522	5.238
HPASR-085S-435A-O5	9.000	4.104	2.007	2.692	9.231	5.162	8.106
HPASR-085S-385A-O6	9.000	5.021	2.438	3.243	6.055	3.016	4.137
HPASR-085S-435A-O6	9.000	5.015	2.434	3.237	8.680	4.666	7.006
HPASR-100S-385A-O1	18.000	6.342	2.783	3.259	7.813	3.598	4.479
HPASR-100S-435A-O1	18.000	6.336	2.779	3.252	10.936	5.583	7.893
HPASR-100S-485A-O1	18.000						
HPASR-100S-535A-O1	18.000						
HPASR-100S-585A-O1	18.000						
HPASR-100S-385A-O2	18.000	7.469	3.512	4.490	6.567	2.783	3.118
HPASR-100S-435A-O2	18.000	7.463	3.508	4.483	9.690	4.796	6.532
HPASR-100S-485A-O2	18.000	7.438	3.492	4.456	13.176	6.991	10.342
HPASR-100S-535A-O2	18.000						
HPASR-100S-585A-O2	18.000						
HPASR-100S-535A-O3	18.000	8.736	4.386	5.400	15.291	7.932	11.721
HPASR-100S-585A-O3	18.000						
HPASR-100S-535A-O4	18.000	9.906	5.151	6.750	14.157	7.257	10.551
HPASR-100S-585A-O4	18.000						
HPASR-130S-435A-O1	32.000	9.495	4.712	6.439	12.191	6.280	8.971
HPASR-130S-485A-O1	32.000	9.462	4.692	6.403	16.774	9.152	13.981
HPASR-130S-535A-O1	32.000	9.466	4.694	6.408	21.896	12.350	19.579
HPASR-130S-585A-O1	32.000	9.483	4.705	6.426	27.532	15.861	25.740
HPASR-130S-635A-O1	32.000	9.515	4.725	6.461	33.685	19.691	32.466
HPASR-130S-385A-O2	32.000	11.745	5.639	7.396	7.126	1.827	1.775
HPASR-130S-435A-O2	32.000	11.737	5.633	7.387	11.232	5.109	6.263
HPASR-130S-485A-O2	32.000	11.704	5.612	7.351	15.815	8.029	11.272
HPASR-130S-535A-O2	32.000	11.708	5.615	7.356	20.937	11.246	16.871
HPASR-130S-585A-O2	32.000	11.725	5.626	7.374	26.574	14.769	23.032
HPASR-130S-635A-O2	32.000	11.757	5.646	7.409	32.727	18.606	29.757
HPASR-130S-685A-O2	32.000	11.738	5.634	7.388	39.330	22.718	36.976
HPASR-130S-485A-O5	32.000	12.633	6.374	8.884	14.265	7.236	10.149
HPASR-130S-535A-O5	32.000	12.638	6.377	8.889	19.387	10.452	15.748
HPASR-130S-585A-O5	32.000	12.655	6.388	8.908	25.023	13.973	21.908
HPASR-130S-635A-O5	32.000	12.686	6.408	8.942	31.176	17.808	28.634
HPASR-130S-685A-O5	32.000						
HPASR-130S-735A-O5	32.000						
HPASR-130S-535A-O6	32.000	16.933	8.173	10.791	17.464	8.234	10.559
HPASR-130S-585A-O6	32.000	16.950	8.184	10.810	23.100	11.810	16.720
HPASR-130S-635A-O6	32.000	16.981	8.204	10.844	29.253	15.673	23.445
HPASR-130S-685A-O6	32.000						
HPASR-130S-735A-O6	32.000						



SRNO-TABELLA COPPIE (moment torcenti)

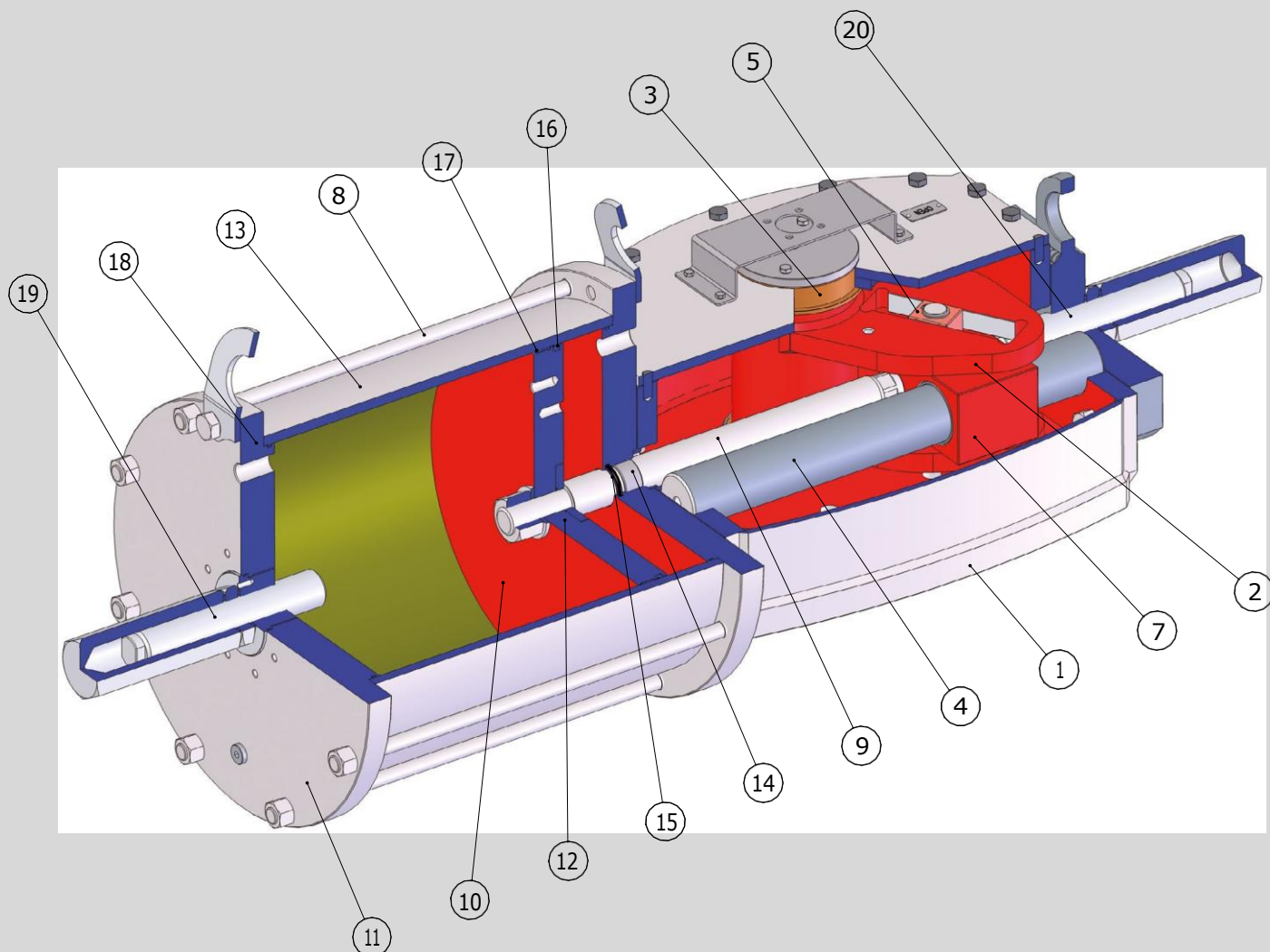
SRNO-TORQUE TABLE

Model Number	Max torque Nm	8,5 BAR CANTED Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPTSR-085C-280A-O2	9.000	3.887	1.035	1.155	3.901	2.482	5.629
DAPTSR-085C-335A-O2	9.000						
DAPTSR-085C-385A-O2	9.000						
DAPTSR-085C-435A-O2	9.000						
DAPTSR-085C-385A-O3	9.000						
DAPTSR-085C-435A-O3	9.000						
DAPTSR-085C-335A-O5	9.000	6.789	1.848	2.090	5.088	3.137	6.650
DAPTSR-085C-385A-O5	9.000						
DAPTSR-085C-435A-O5	9.000						
DAPTSR-085C-385A-O6	9.000						
DAPTSR-085C-435A-O6	9.000						
DAPTSR-085C-485A-O6	9.000						
DAPTSR-100C-385A-O1	18.000	10.511	2.431	2.514	8.905	5.350	10.693
DAPTSR-100C-435A-O1	18.000						
DAPTSR-100C-485A-O1	18.000						
DAPTSR-100C-385A-O2	18.000	12.334	3.168	3.464	7.822	4.576	8.598
DAPTSR-100C-435A-O2	18.000						
DAPTSR-100C-485A-O2	18.000						
DAPTSR-100C-535A-O2	18.000						
DAPTSR-100C-585A-O2	18.000						
DAPTSR-100C-535A-O3	18.000						
DAPTSR-100C-585A-O3	18.000						
DAPTSR-100C-535A-O4	18.000						
DAPTSR-100C-585A-O4	18.000						
DAPTSR-130C-435A-O1	32.000	15.634	4.343	4.970	14.142	8.989	20.350
DAPTSR-130C-485A-O1	32.000	15.581	4.323	4.942	18.989	12.406	29.725
DAPTSR-130C-535A-O1	32.000						
DAPTSR-130C-585A-O1	32.000						
DAPTSR-130C-635A-O1	32.000						
DAPTSR-130C-385A-O2	32.000	19.375	5.129	5.707	8.972	4.885	7.677
DAPTSR-130C-435A-O2	32.000	19.361	5.124	5.700	13.310	8.009	16.069
DAPTSR-130C-485A-O2	32.000	19.308	5.103	5.672	18.156	11.443	25.443
DAPTSR-130C-535A-O2	32.000						

Model Number	Max torque Nm	8,5BAR SYMMETRICAL Normally open Torque Output(Nm)					
		BTO	RTO	ETO	BTC	RTC	ETC
DAPTSR-085S-280A-O2	9.000	2.356	1.136	1.497	4.485	2.439	3.710
DAPTSR-085S-335A-O2	9.000	2.335	1.122	1.474	7.098	4.068	6.566
DAPTSR-085S-385A-O2	9.000	2.325	1.116	1.463	9.892	5.807	9.620
DAPTSR-085S-435A-O2	9.000						
DAPTSR-085S-335A-O3	9.000	3.797	1.810	2.355	6.206	3.271	4.800
DAPTSR-085S-385A-O3	9.000	3.787	1.804	2.345	9.000	5.018	7.854
DAPTSR-085S-435A-O3	9.000						
DAPTSR-085S-335A-O5	9.000	4.119	2.016	2.708	5.850	3.047	4.410
DAPTSR-085S-385A-O5	9.000	4.110	2.010	2.697	8.644	4.796	7.465
DAPTSR-085S-435A-O5	9.000						
DAPTSR-085S-385A-O6	9.000	5.021	2.438	3.243	8.093	4.298	6.364
DAPTSR-085S-435A-O6	9.000						
DAPTSR-100S-385A-O1	18.000	6.342	2.783	3.259	10.237	5.142	7.129
DAPTSR-100S-435A-O1	18.000						
DAPTSR-100S-485A-O1	18.000						
DAPTSR-100S-535A-O1	18.000						
DAPTSR-100S-585A-O1	18.000						
DAPTSR-100S-385A-O2	18.000	7.469	3.512	4.490	8.992	4.353	5.768
DAPTSR-100S-435A-O2	18.000	7.463	3.508	4.483	12.785	6.746	9.915
DAPTSR-100S-485A-O2	18.000						
DAPTSR-100S-535A-O2	18.000						
DAPTSR-100S-585A-O2	18.000						
DAPTSR-100S-535A-O3	18.000						
DAPTSR-100S-585A-O3	18.000						
DAPTSR-100S-535A-O4	18.000						
DAPTSR-100S-585A-O4	18.000						
DAPTSR-130S-435A-O1	32.000	9.495	4.712	6.439	16.260	8.831	13.419
DAPTSR-130S-485A-O1	32.000	9.462	4.692	6.403	21.832	12.310	19.509
DAPTSR-130S-535A-O1	32.000	9.466	4.694	6.408	28.051	16.183	26.307
DAPTSR-130S-585A-O1	32.000	9.483	4.705	6.426	34.891	20.441	33.784
DAPTSR-130S-635A-O1	32.000						
DAPTSR-130S-385A-O2	32.000	11.745	5.639	7.396	10.314	4.510	5.258
DAPTSR-130S-435A-O2	32.000	11.737	5.633	7.387	15.301	7.704	10.710
DAPTSR-130S-485A-O2	32.000	11.704	5.612	7.351	20.873	11.206	16.801



COMPONENTI ATTUATORE DA DA ACTUATOR COMPONENTS

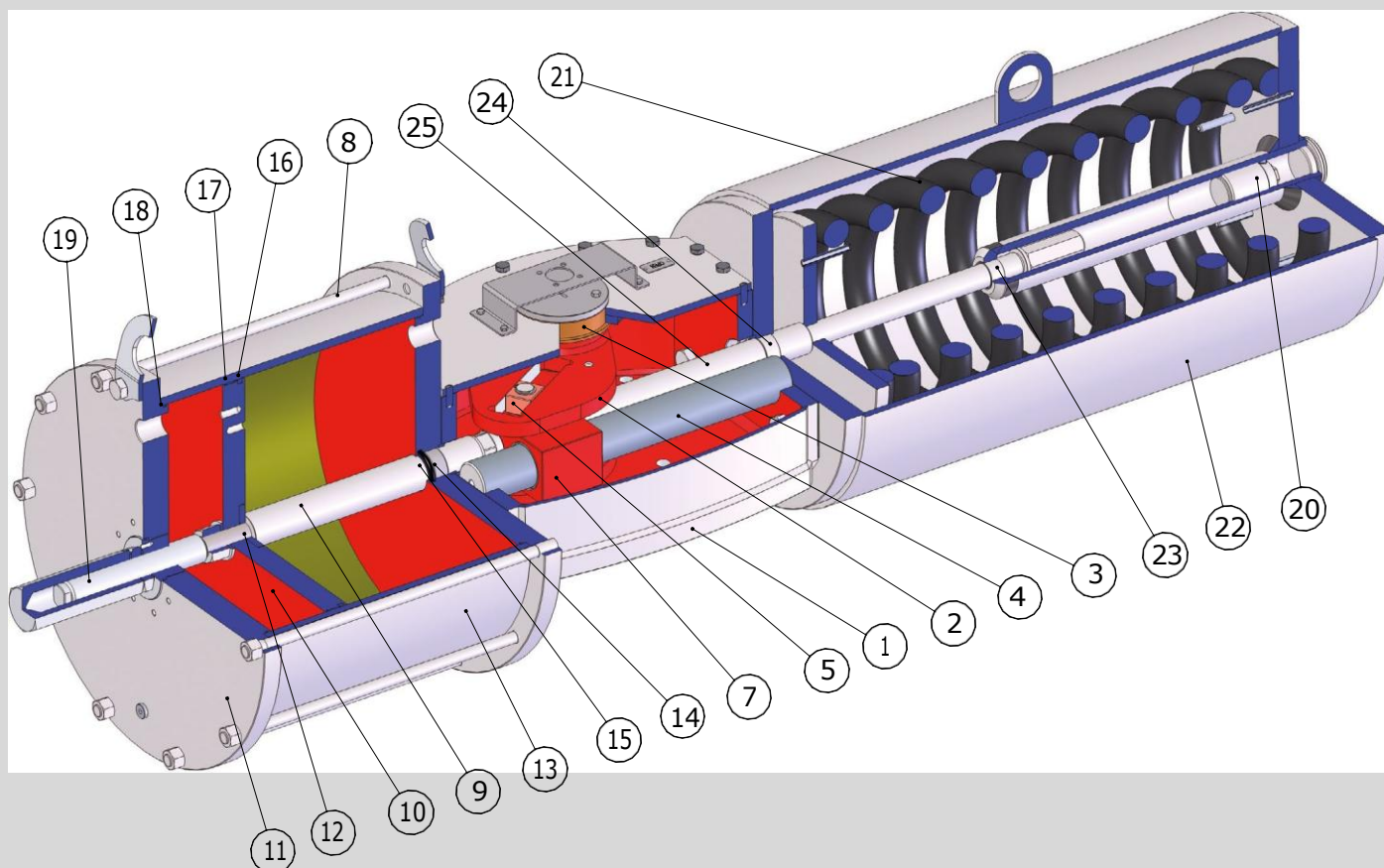


Pos	Descrizione Description	Materiali Materials
1	Corpocentrale Central body	Acciaioalcarbonio Carbon steel
2	Forcella Yoke	Acciaioalcarbonio Carbon steel
3	Boccola forcella Yoke bushing	Bronzo Bronze
4	Barradiguide Thrust bar	Legadiacciaio(cromato)Steel Alloy (chromium plated)
5	Bronzinadiscorrimento Sliding block	Bronzo Bronze
6	Valvoladisfiato (non illustrata)Vent valve (notshown)	Ottone Brass
7	Bloccodiguide Guide block	Acciaioalcarbonio Carbon steel
8	TiranteTie rod	Legadiacciaio Steel Alloy
9	Stelo Pistone Piston rod	Legadiacciaio (cromato)Steel Alloy (chromium plated)
10	Pistone Piston	Acciaioalcarbonio Carbon steel
11	Flangia End flange	Acciaioalcarbonio Carbon steel
12	O-ring	Gommanitrica Nitrilic rubber
13	Cilindro Cylinder tube	Acciaioalcarbonio (nichelato) Carbon steel (nickel-plated)
14	Boccolastelo pistone Rod bushing	Acciaio+bronzo+PTFE Steel+bronze + PTFE
15	Guarnizione Seal	NBR+Poliuretano NBR+ Polyurethane
16	O-ring	Gommanitrica Nitrilic rubber
17	Anellodiscorrimento Sliding ring	PTFE + graphite
18	O-ring	Gommanitrica Nitrilic rubber
19	Granodiregolazione Stop setting screw	Legadiacciaio Steel Alloy
20	Granodiregolazione Stop setting screw	Legadiacciaio Steel Alloy



COMPONENTI ATTUATORE SR

SR ACTUATOR COMPONENTS



Pos	Descrizione Description	Materiali Materials
1	Corpo centrale Central body	Acciaio al carbonio Carbon steel
2	Forcella Yoke	Acciaio al carbonio Carbon steel
3	Boccola forcella Yoke bushing	Bronzo Bronze
4	Barradi guida Thrust bar	Legadacciaio (cromato) Steel Alloy (chromium plated)
5	Bronza di scorrimento Sliding block	Bronzo Bronze
6	Valvola di sfogo (non illustrata) Vent valve (not shown)	Ottone Brass
7	Blocco di guida Guide block	Acciaio al carbonio Carbon steel
8	Tirante Tie rod	Legadacciaio Steel Alloy
9	Stelo pistone Piston rod	Legadacciaio (cromato) Steel Alloy (chromium plated)
10	Pistone Piston	Acciaio al carbonio Carbon steel
11	Flangia End flange	Acciaio al carbonio Carbon steel
12	O-ring	Gommanitrilica Nitrilic rubber
13	Cilindro Cylinder tube	Acciaio al carbonio (nichelato) Carbon steel (nickel-plated)
14	Boccola stelo pistone Rod bushing	Acciaio+bronzo+PTFE Steel+bronze+PTFE
15	Guarnizione Seal	NBR+Poliuretano NBR+ Polyurethane
16	O-ring	Gommanitrilica Nitrilic rubber
17	Anello di scorrimento Sliding ring	PTFE + graphite
18	O-ring	Gommanitrilica Nitrilic rubber
19	Granaio di regolazione Stop setting screw	Legadacciaio Steel Alloy
20	Granaio di regolazione Stop setting screw	Legadacciaio Steel Alloy
21	Molla Spring	Legadacciaio Steel Alloy
22	Pacchetto molle Spring Cartridge	Acciaio al carbonio Carbon steel
23	Boccola Bushing	Acciaio+bronzo+PTFE Steel+bronze+PTFE
24	Boccola Bushing	Acciaio+bronzo+PTFE Steel+bronze+PTFE
25	Stelo pacchetto molle Spring Cartridge Stem	Legadacciaio (cromato) Alloy Steel (chromium plated)



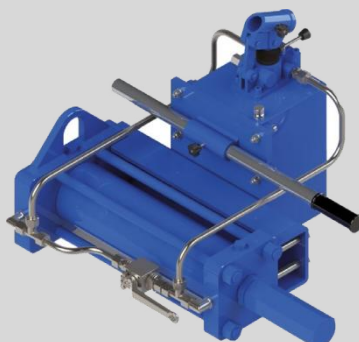
ACCESSORI DISPONIBILI PER MANOVRE DI EMERGENZA

AVAILABLE ACCESSORIES FOR EMERGENCY PROCEEDINGS

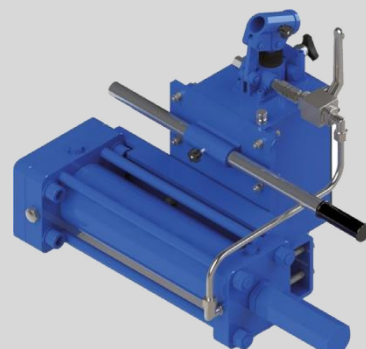
COMANDO IDRAULICO MANUALE D'EMERGENZA

MANUAL HYDRAULIC OVERRIDE

Pompa / Compact pump
Cilindroidraulico/Hydraulic cylinder
Serbatoio Olio/Oiltank
Valvola di non ritorno/Check valve
Valvola di sicurezza/Relief valve



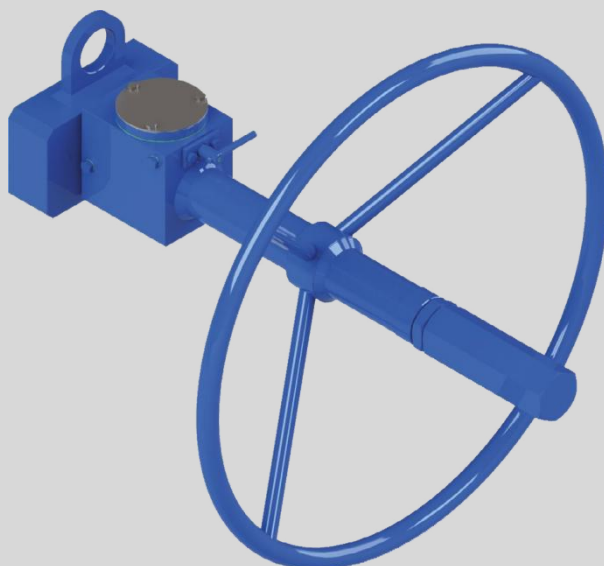
Per attuatore doppio effetto
For double acting actuator



Per attuatore semplice effetto
For spring return actuator

COMANDO MANUALE D'EMERGENZA DISINSERIBILE PER ATTUATORE DOPPIO EFFETTO (solo per version con corpo 085)

MANUAL HAND WHEEL OVER RIDE DECLUTCHABLE FOR DOUBLE ACTING ACTUATOR (only for versions with 085 body)





CONNETTORE-GIUNTO

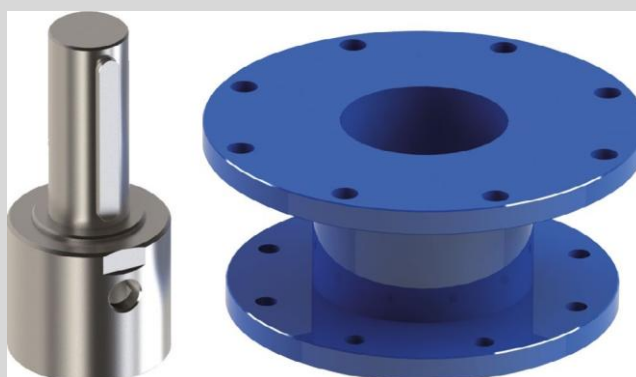
SPOOL PIECE-STEM EXTENSION

Il design dell'attuatore ha previsto connessioni conformi ai più recent Standard Internazionali per consentire ed agevolare il montaggio su valvole e accessori.

PITEL complete il suo servizio con kit di montaggio,connettori e giunti a richiesta.

The actuator design has taken into consideration mounting pad connections conforming to the latest international standards for easy and direct assemblage onto valves and ancillaries.

PITEL completes its service with customized mounting kits, spool piece and stem extension.



ESEMPIO DI PANNELLO DI CONTROLLO CON ACCESSORI

EXAMPLE OF CONTROL PANEL WITH ACCESSORIES





DESIGN COSTRUTTIVO MODULARE

MODULAR CONSTRUCTION DESIGN

Il design modulare degli attuatori HEAVY DUTY *PITEL* garantisce una completa versatilità applicativa. La costruzione modulare permette di assemblare i componenti in base ai requisiti dell'applicazione.

HEAVY DUTY PITEL actuators modular design ensures a complete versatility application. Modular construction allows assembling the components according with the application requirements.

